SEQUENCE LISTING

<110> Nationwide Childrens Hospital

<120> CHIMERIC ONCOLYTIC HERPESVIRUS THAT STIMULATE AN ANTITUMOR IMMUNE RESPONSE

<130> 49412-21

<140> HEREWITH
<141> 2019-08-30

<150> 62/725,809
<151> 2018-08-31

<150> 62731365
<151> 2018-09-14

<160> 21

<170> PatentIn version 3.5

<210> 1
<211> 747
<212> DNA
<213> herpes simplex virus 1

<400> 1
atggcccgcc gccgccgcca tcgcggcccc cgccgccccc ggccgcccgg gcccacgggc 60

gccgtcccaa ccgcacagtc ccaggtaacc tccacgccca actcggaacc cgcggtcagg 120

agcgcgcccg cggccgcccc gccgccgccc cccgccggtg ggcccccgcc ttcttgttcg 180

ctgctgctgc gccagtggct ccacgttccc gagtccgcgt ccgacgacga cgatgacgac 240

gactggccgg acagcccccc gcccgagccg gcgccagagg cccggcccac cgccgccgcc 300

ccccggcccc ggcccccacc gcccggcgtg ggcccggggg gcggggctga cccctcccac 360

ccccccctcgc gccccttccg ccttccgccg cgcctcgccc tccgcctgcg cgtcaccgcg 420

gagcacctgg cgcgcctgcg cctgcgacgc gcgggcgggg agggggcgcc ggagcccccc 480

gcgacccccg cgacccccgc gacccccgcg acccccgcga cccccgcgcg ggtgcgcttc 540

tcgccccacg tccgggtgcg ccacctggtg gtctgggcct cggccgcccg cctggcgcgc 600

cgcggctcgt gggcccgcga gcgggccgac cgggctcggt tccggcgccg ggtggcggag 660

gccgaggcgg tcatcgggcc gtgcctgggg cccgaggccc gtgcccgggc cctggcccgc 720

ggagccggcc cggcgaactc ggtctaa 747

<210> 2
<211> 2541
<212> DNA
<213> Human cytomegalovirus

<400> 2
atggcccagc gcaacggcat gtcgccgcgc cccccgcccc ttggtcgcgg ccgcggggcc 60

ggagggcctt cgggggttgg ttcctctcct ccttcttctt gtgtgccgat gggagcgccg 120

tcaacagcgg gcactggtgc gagtgctgcg gctacgacga cgccgggcca cggcgtccac 180

cgggtagaac cccgcgggcc gccgggcgcc cctccgagta gcggcaacaa tagcaacttt 240

tggcacggcc cggagcgcct gttgctgtct cagattccgg tggagcgcca ggcgctgacg 300

gagctggaat accaggccat gggcgccgtg tggcgcgcgg cgtttttggc caacagcacg 360

ggccgcgcca tgcgcaagtg gtcgcagcgc gacgcgggca cgctgctgcc gctcggacgg 420

ccgtacggat tctacgcgcg ggtgacgccg cgcagccaga tgaacggcgt gggcgcgacg 480

gacctgcgtc aactgtcgcc gcgggacgcg tggatcgtac tggtggctac cgtggtgcac 540

gaggtggacc ccgcagccga cccgacggtg ggcgacaagg ccggccatcc cgagggtctg 600

tgcgcgcagg acggactgta cctggcgctg ggcgccgggt tccgcgtgtt cgtgtacgac 660

ctggcaaaca acacgctgat cctagcggcg cgcgacgcgg acgagtggtt tcggcacggc 720

gcgggcgagg tggtgcggct gtaccgctgc aaccggctgg gcgtgggcac cccgcgcgcg 780

acgctgctgc ctcagccggc gctccgacag acgttgctgc gcgccgagga ggcgacggcg 840

ctcggacggg agctgcgccg gcggtgggcc ggcacgacgg tggcgctgca gacgccgggc 900

aggcgactgc agccgatggt actgctgggc gcgtggcagg agctggcgca gtacgagccg 960

ttcgcgtcgg cgccgcaccc cgcgtcgctg ctgacggccg tgcgtcggca cctgaaccag 1020

cgtctgtgct gcggctggct ggcgctgggc gcggtgctgc ccgcgcggtg gctgggctgc 1080

gcggcggggc cggcgacggg gacggcggcg gggacgacgt cgccgccagc ggcgagcggc 1140

acggagacgg aggccgccgg cggggacgcg ccgtgcgcga tagcgggagc cgtggggtcc 1200

gctgtacctg tgcctccgca gccgtacggc gccgccggcg ggggcgcgat ttgcgtgcct 1260

aacgcggacg cgcacgcggt ggtcggggcg gacgcggcag cagcagcggc gccgacggtg 1320

atggtgggtt cgacagcgat ggcgggtccg gcggcgtcgg ggaccgtgcc gcgcgccatg 1380

ctggtggtgc tgctggacga gctgggcgcc gtgttcgggt actgcccgct ggacgggcac 1440

gtgtacccgc tggcggcgga gctgtcgcac tttctgcgcg cgggcgtgct gggcgcgctg 1500

gcgctgggac gcgagtcggc gcccgccgcc gaggccgcgc ggcggctgct gcccgagctg 1560

gaccgcgagc agtgggagcg gccgcgctgg gacgcgctgc acctgcaccc gcgcgccgcg 1620

ctgtgggcgc gcgagccgca cgggcagtgg gagttcatgt ttcgcgaaca acgcggtgac 1680

cccataaatg atcccctcgc atttcgtctt tcggacgctc gaactctcgg tctcgacctc 1740

accaccgtca tgacagagcg tcaaagtcaa ttgcccgaaa agtatatcgg tttctatcag 1800

attaggaaac ctccttggct catggaacaa cctccacccc catctcgcca aaccaaaccg 1860

gacgctgcaa cgatgccccc accgctcagt gctcaggcaa gcgtcagcta cgcgctccga 1920

tacgatgacg agtcctggcg cccgctcagc acagttgacg accacaaagc ctggttggat 1980

ctcgacgaat cacattgggt cctcggggac agccgacccg acgatataaa acaacgcaga 2040

ctgctgaagg ccactcaacg acgaggcgcc gaaatcgaca gacccatgcc tgtcgtgcct 2100

gaagaatgtt acgaccaacg cttcactacc gaaggccacc aggtcatccc gttgtgcgcg 2160

tccgaacccg aggatgacga cgaagatcct acctacgacg aattgccgtc gcgcccaccc 2220

cagaaacata agccgccaga caaacctccg cgcttatgca aaacgggccc cggcccacct 2280

ccgctgccgc caaagcaacg gcacggttcc accgacggaa aagtttctgc gccccgacag 2340

tcggagcatc ataaaagaca gacccgaccg ccaaggccgc caccgcccaa attcggggat 2400

agaaccgcgg cccatctctc gcaaaatatg cgggacatgt acctcgatat gtgtacatct 2460

tcgggccaca ggccacggcc gccagcacct ccgcggccga aaaaatgtca aacacacgcc 2520

cctcaccacg ttcatcattg a 2541

<210> 3
<211> 2367

<212> DNA
<213> Human cytomegalovirus

<400> 3
ttattgagca ttgtaatggt agtgtgtggc tatattagaa aacgtgacgc gtcgcatgtc 60

gcggcacaat ctggcagcgg ggtcggggta gggtacggtg ggaggcatgt acacagatgg 120

aacaaaagca gaagtaacgt gagaaggagc atacagtcca gtatccagcg gttcctgagt 180

agcaccaccc atcaactgaa tgccctcatg agtaaaagtc tgcgggcgac agcccttggg 240

gaccgttggc atgggacgat caatctccaa accacagcgt aacaccgttt tcttccaacg 300

tcgttgatag acgtcgtttt tacggttact cccaagaacc cagaaagtct cgtccaagtc 360

gtaccaggaa tcttctccgg ggagacgcga cggtttccaa tcctcgtcgt ctcgtctcaa 420

agcacgtccc aaactggctt gaggagtcaa cggtggttct gtgggtcggg tgtagcgcga 480

gtgttttccc ttcatgagcg attcatcctc cttgccttta ggctttttgg tcttttgtg 540

tatcatctgg ccgccggcct ccataaccac cgtggccaag tccagtccca gagcttgagc 600

gtcggcgcgg cgtcgggcgt cttgcaggta gtcttccaca tttgcacaga tggccgggtg 660

tttggtggct agggtgagga cctcagcctc gccgcgaccc ggacgtagca aaaaagccaa 720

ctgcccgtgc ggctcgcgcg cccacagcgc ggcgcgcggg tgcaggtgca gcgcgtccca 780

gcgcggccgc tcccactgct cgcggtccag ctcgggcagc agccgccgcg cggcctcggc 840

ggcgggcgcc gactcgcgtc ccagcgccag cgcgcccagc acgcccgcgc gcagaaagtg 900

cgacagctcc gccgccagcg ggtacacgtg cccgtccagc gggcagtacc cgaacacggc 960

gcccagctcg tccagcagca ccaccagcat ggcgcgcggc acggtccccg acgccgccgg 1020

acccgccatc gctgtcgaac ccaccatcac cgtcggcgcc gctgctgctg ccgcgtccgc 1080

cccgaccacc gcgtgcgcgt ccgcgttagg cacgcaaatc gcgcccccgc cggcggcgcc 1140

gtacggctgc ggaggcacag gtacagcgga ccccacggct cccgctatcg cgcacggcgc 1200

gtccccgccg gcggcctccg tctccgtgcc gctcgccgct ggcggcgacg tcgtccccgc 1260

cgccgtcccc gtcgccggcc ccgccgcgca gcccagccac cgcgcgggca gcaccgcgcc 1320

cagcgccagc cagccgcagc acagacgctg gttcaggtgc cgacgcacgg ccgtcagcag 1380

cgacgcgggg tgcggcgccg acgcgaacgg ctcgtactgc gccagctcct gccacgcgcc 1440

cagcagtacc atcggctgca gtcgcctgcc cggcgtctgc agcgccaccg tcgtgccggc 1500

ccaccgccgg cgcagctccc gtccgagcgc cgtcgcctcc tcggcgcgca gcaacgtctg 1560

tcggagcgcc ggctgaggca gcagcgtcgc gcgcggggtg cccacgccca gccggttgca 1620

gcggtacagc cgcaccacct cgcccgcgcc gtgccgaaac cactcgtccg cgtcgcgcgc 1680

cgctaggatc agcgtgttgt ttgccaggtc gtacacgaac acgcggaacc cggcgcccag 1740

cgccaggtac agtccgtcct gcgcgcacag accctcggga tggccggcct tgtcgcccaa 1800

cgtcgggtcg gctgcggggt ccacctcgtg caccacggta gccaccagta cgatccacgc 1860

gtcccgcggc gacagttgac gcaggtccgt cgcgcccacg ccgttcatct ggctgcgcgg 1920

cgtcacccgc gcgtagaatc cgtacggccg tccgagcggc agcagcgtgc ccgcgtcgcg 1980

ctgcgaccac ttgcgcatgg cgcggcccgt gctgttggcc aaaaacgccg cgcgccacac 2040

ggcgcccatg gcctggtatt ccagctccgt cagcgcctgg cgctccaccg gaatctgaga 2100

cagcaacagg cgctccgggc cgtgccaaaa gttgctattg ttgccgctac tcggaggggc 2160

gcccggcggc ccgcggggtt ctacccggtg gacgccgtgg cccggcgtcg tcgtagccgc 2220

agcactcgca ccagtgcccg ctgtggacgg cgctcccatc ggcacacaag aagaaggagg 2280

agaggaacca acccccgaag gccctccggc cccgcggccg cgaccaaggg gcgggggcg 2340

cggcgacatg ccgttgcgct gggccat 2367

<210> 4
<211> 390
<212> DNA
<213> Human cytomegalovirus

<400> 4
atggcccagc gcaacggcat gtcgccgcgc cccccgcccc ttggtcgcgg ccgcggggcc 60

ggagggcctt cgggggttgg ttcctctcct ccttcttctt gtgtgccgat gggagcgccg 120

tccacagcgg gcactggtgc gagtgctgcg gctacgacga cgccgggcca cggcgtccac 180

cgggtagaac cccgcgggcc gccgggcgcc cctccgagta gcggcaacaa tagcaacttt 240

tggcacggcc cggagcgcct gttgctgtct cagattccgg tggagcgcca ggcgctgacg 300

gagctggaat accaggccat gggcgccgtg tggcgcgcgg cgtttttggc caacagcacg 360

ggccgcgcca tgcgcaagtg gtcgcagcgc 390

<210> 5
<211> 162562
<212> DNA
<213> Artificial Sequence

<220>
<223> C170 from-HSV-C134, the Complete Viral Genome v1 Chimeric HSV expressing EphA2 Full-ML

<400> 5
agcccgggcc ccccgcgggc ggggcggcgc gcaaaaaagg cgggcggcgg tccgggcggc 60

gtgcgcgcgc gcggcgggcg ttggggagcg gggggaggag cgggggggagg agcgggggga 120

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 180

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 240

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 300

ggagcggaaa acgggccccc cccgaaacac acccccgggg ggtcgcgcgc ggcctttaa 360

agcgcggcgg cgcagcccgg gccccccgcg gccgagacga gcgagttaga caggcaagca 420

ctactcgcct ctgcacgcac atgcttgcct gtcaaactct accaccccgg cacgctctct 480

gtctccatgg cccgccgccg ccgccatcgc ggcccccgcc gcccccggcc gcccgggccc 540

acgggcgccg tcccaaccgc acagtcccag gtaaccgcct atgggaatga aagaccccac 600

ctgtaggttt ggcaagctag gatcaaggtc aggaacagag aaacaggaga atatgggcca 660

aacaggatat ctgtggtaag cagttcctgc cccgctcagg gccaagaaca gttggaacag 720

gagaatatgg gccaaacagg atatctgtgg taagcagttc ctgccccgct cagggccaag 780

aacagatggt ccccagatgc ggtcccgccc tcagcagttt ctagagaacc atcagatgtt 840

tccagggtgc cccaaggacc tgaaatgacc ctgtgcctta tttgaactaa ccaatcagtt 900

cgcttctcgc ttctgttcgc gcgcttctgc tccccgagct ctatataagc agagctggtt 960

tagtgaaccg tcagatcgcc tggagacgcc atccacgctg ttttgacctc catagaagac 1020

accgactcta gctagaggat ctcctaggaa gctggccgca caaagtggta ccggatcccg 1080

ggtcgaccat ggagctccgg gcagtcggtt tctgcctggc gctgctgtgg ggttgcgcgc 1140

tggcggccgc ggcggcacag ggaaaggaag ttgttttgtt ggacttcgca gcaatgaagg 1200

gagagctcgg ctggctcacg cacccctatg gcaaagggtg ggacctgatg cagaacatca 1260

tggacgacat gcctatctac atgtactcgg tgtgcaacgt ggtatccggc gaccaggaca 1320

actggctccg caccaactgg gtgtaccggg aggaggccga gcgcatcttt attgagctca 1380

agttcacggt gcgagactgt aacagcttcc cgggtggcgc cagctcatgc aaagagacct 1440

tcaacctcta ctatgcagag tcagatgtgg actatggcac caacttccag aagcgccagt 1500

tcaccaagat tgacaccatc gcccctgacg agatcacggt cagcagtgac ttcgaggctc 1560

gcaatgtcaa gctgaacgta gaggagcgca tggtggggcc ccttacccgg aagggcttct 1620

acctggcctt ccaggacatc ggcgcctgcg tggcgctgct ctccgttcgc gtctactaca 1680

agaagtgtcc cgagatgctg cagagcttgg ctcgcttccc cgagaccatt gctgtcgctg 1740

tctccgatac acaacccctg gccacggtgg ccggtacctg cgtggaccat gccgtggtgc 1800

cttatggggg cgaggggcct ctcatgcact gcacggtgga tggcgagtgg ctggtgccca 1860

tcgggcagtg cctgtgccag gaaggctacg agaaggtcga ggatgcctgc cgagcctgtt 1920

ctccaggatt cttcaagtct gaggcatctg agagcccttg cctggagtgt ccagagcata 1980

ccctgccatc cacagagggt gccacctcct gccagtgtga agaaggctat ttcagggcac 2040

ctgaggaccc actgtccatg tcttgcacac gtccaccctc tgcccccaac tacctcacgg 2100

ccattggcat gggtgccaaa gtagaactgc gttggacagc tcccaaggac actggtggcc 2160

gccaggacat tgtctacagt gtcacttgcg aacagtgctg gccagagtct ggcgagtgtg 2220

ggccctgtga ggcgagcgtg cgctattcag aacctcctca cgccctgacc cgcacgagtg 2280

tgacagtcag tgacctggag ccccacatga actatacctt cgctgtcgaa gcacgcaatg 2340

gtgtctcagg cctggtgact agccgaagct tccggactgc cagcgtcagt attaaccaaa 2400

cagagccccc caaagtgagg ctggaggacc gaagcaccac ctccctgagt gtcacctgga 2460

gcatcccggt gtcacagcag agccgtgtgt ggaagtacga agtcacctac cgcaagaagg 2520

gggatgccaa cagctataat gtgcgccgca cggaaggctt ctccgtgacc ctggatgacc 2580

ttgctccgga taccacgtac ctggtgcagg tgcaggcgct gacgcaggag ggccagggag 2640

ccggcagcaa agtgcacgag ttccagacac tgtccacgga aggatctgcc aacatggcgg 2700

tgatcggcgg tgtggctgta ggtgttgttt tgcttctggt actggcagga gttggcctct 2760

tcatccatcg aaggaggagg aacctgcggg ctcgccagtc ctctgaggat gtccgttttt 2820

ccaagtcaga acaactaaag cccctgaaga cctatgtgga tcctcacact tacgaagacc 2880

ccaaccaggc tgtactcaag tttaccaccg agatccaccc atcctgtgtg gcaaggcaga 2940

aggtcattgg agcaggagag tttggagagg tctataaagg gacgctgaag gcatcctcgg 3000

ggaagaagga gataccggtg gccatcaaga cactgaaagc gggctacact gagaagcagc 3060

gggtggactt cctgagcgag gccagcatca tgggccagtt tagccaccac aatatcatcc 3120

gcctggaggg cgtggtctct aaatacaaac ccatgatgat tatcacagag tacatggaga 3180

atggagcgct agacaagttc cttagggaga aggatggtga gttcagtgta cttcagttgg 3240

tgggcatgct gaggggtatc gcatccggca tgaagtacct ggccaacatg aactacgtgc 3300

accgggacct ggccgcccgc aacatcctcg tcaacagcaa cctggtgtgc aaggtgtccg 3360

attttggcct gtcgcgtgtg ctggaagatg accccgaggc cacctacacc acaagtggcg 3420

gcaagatccc tattcgatgg acagccccag aggccatttc ctaccgcaag ttcacctcag 3480

ccagcgatgt gtggagctac ggcattgtca tgtgggaagt gatgacttat ggcgaacggc 3540

cctactggga actgtcaaac cacgaggtca tgaaagccat caacgacggc ttccggctcc 3600

ctacgcccat ggactgccct tcagccattt accagctcat gatgcagtgc tggcagcaag 3660

agcgctcccg ccgacccaag tttgccgaca tcgttagcat cctggacaag ctcatccgag 3720

cccccgactc cctcaagacg ctggctgact ttgatccccg agtgtccatc cggctgccca 3780

gcaccagcgg ctcggaggga gtccccttcc gtacggtgtc cgagtggctg gagagcatca 3840

agatgcaaca gtacacggaa cacttcatgg tggctggcta cacggccatc gagaaggtgg 3900

tacagatgtc caacgaagac atcaaaagga tcggagtgcg tcttcctggc caccagaagc 3960

gtattgccta cagcctgctg ggactcaagg accaggtcaa cacagtgggg attcctatcg 4020

ggaattcaga acaaaaactc atctcagaag aagatctagg aggcggcggg tcaggtggag 4080

gtggctctgg cggtggcggt taaaattccg actcactata gggcgaatta attccggaga 4140

tctctagatc cggagagacg atggcaggag ccgcgcatat atacgcttgg agccagcccg 4200

ccctcacagg gcgggccgcc tcgggggcgg gactggccaa tcggcggccg ccagcgcggc 4260

ggggcccggc caaccagcgt ccgccgagtc ttcggggccc ggcccattgg gcgggagtta 4320

ccgcccaatg ggccgggccg cccacttccc ggtatggtaa ttaaaaactt gcaagaggcc 4380

ttgttccgct tcccggtatg gtaattagaa actcattaat gggcggcccc ggccgccctt 4440

cccgcttccg gcaattcccg cggcccttaa tgggcaaccc cggtattccc cgcctcccgc 4500

gccgcgcgta accactcccc tggggttccg ggttatgcta attgcttttt tggcggaaca 4560

cacggcccct cgcgcattgg cccgcgggtc gctcaatgaa cccgcattgg tcccctgggg 4620

ttccgggtat ggtaatgagt ttcttcggga aggcgggaag ccccggggca ccgacgcagg 4680

ccaagcccct gttgcgtcgg tgggaggggc atgctaatgg ggttctttgg gggacaccgg 4740

gttggtcccc caaatcgggg gccgggccgt gcatgctaat gatattcttt gggggcgccg 4800

ggttggtccc cggggacggg gccgccccgc ggtgggcctg cctcccctgg gacgcgcggc 4860

cattgggggа atcgtcactg ccgccccttt ggggagggga aaggcgtggg gtataagtta 4920

gccctggccc gacagtctgg tcgcatttgc acctcggcac tcggagcgag acgcagcagc 4980

caggcagact cgggccgccc cctctccgca tcaccacaga agccccgcct acgttgcgac 5040

ccccagggac cctccgtccg cgaccctcca accgcatacg acccccatgg agccccgccc 5100

cggagcgagt acccgccggc ctgagggccg cccccagcgc gaggtgaggg gccgggcgcc 5160

atgtctgggg cgccatattg gggggcgcca tattgggggg cgccatgttg ggggaccccc 5220

gacccttaca ctggaaccgg ccgccatgtt gggggacccc cactcataca cgggagccgg 5280

gcgccatgtt agggggcgtg gaaccccgtg acactatata tacagggacc gggggcgcca 5340

tgttaggggg cgcggaaccc cctgacccta tatatacagg gaccggggtc gccctgttgg 5400

gggtcgccat gtgacccccc gactttatat atacagaccc cccaacacat acacatggcc 5460

cctttgactc agacgcaggg cccggggtcg ccgtgggacc ccctgactca tacacagaga 5520

cacgccccca caacaaacac acagggaccg gggtcgccgt gttaggggggc gtggtcccca 5580

ctgactcata cgcagggccc ccttactcac acgcatctag gggggtgggg aggagccgcc 5640

cgccatattt gggggacgcc gtgggacccc cgactccggt gcgtctggag ggcgggagaa 5700

gagggaagaa gaggggtcgg gatccaaagg acggacccag accacctttg gttgcagacc 5760

cctttctccc ccctcttccg aggccagcag gggggcagga ctttgtgagg cgggggggggg 5820

gagaggggga actcgtgggc gctgattgac gcgggaaatc cccccattct tacccgcccc 5880

cctttttttc cccttagccc gccccggatg tctgggtgtt tccctgcgac cgagacctgc 5940

cggacagcag cgactctgag gcggagaccg aagtgggggg gcgggggggac gccgaccacc 6000

atgacgacga ctccgcctcc gaggcggaca gcacggacac ggaactgttc gagacggggc 6060

tgctggggcc gcagggcgtg gatgggggggg cggtctcggg ggggagcccc ccccgcgagg 6120

aagaccccgg cagttgcggg ggcgcccccc ctcgagagga cgggggggagc gacgagggcg 6180

acgtgtgcgc cgtgtgcacg gatgagatcg cgccccacct gcgctgcgac accttcccgt 6240

gcatgcaccg cttctgcatc ccgtgcatga aaacctggat gcaattgcgc aacacctgcc 6300

cgctgtgcaa cgccaagctg gtgtacctga tagtgggcgt gacgcccagc gggtcgttca 6360

gcaccatccc gatcgtgaac gacccccaga cccgcatgga ggccgaggag gccgtcaggg 6420

cgggcacggc cgtggacttt atctggacgg gcaatcagcg gttcgccccg cggtacctga 6480

ccctgggggg gcacacggtg agggccctgt cgcccaccca ccctgagccc accacggacg 6540

aggatgacga cgacctggac gacggtgagg cgggggggcg gcgaggaccc tgggggagga 6600

ggaggaggag gggggaggga ggaataggcg ggcgggggggg cgaggaaagg gcgggcgcgg 6660

aaagggaggg cctgggaggg ggcgtaacct gatcgcgccc cccgttgtct cttgcagcag 6720

actacgtacc gcccgccccc cgccggacgc cccgcgcccc cccacgcaga ggcgccgccg 6780

cgccccccgt gacgggcggg gcgtctcacg cagcccccca gccggccgcg gctcggacag 6840

cgccccccctc ggcgcccatc gggccacacg gcagcagtaa caccaacacc accaccaaca 6900

gcagcggcgg cggcggcggc tcccgccagt cgcgagccgc ggcgccgcgg ggggcgtctg 6960

gcccctccgg gggggttggg gttggggttg gggttgttga agcggaggcg gggcggccga 7020

ggggccggac gggccccctt gtcaacagac ccgcccccct tgcaaacaac agagacccca 7080

tagtgatcag cgactccccc ccggcctctc cccacaggcc ccccgcggcg cccatgccag 7140

gctccgcccc ccgccccggg cccaccgcgt cctcggccgc gtcgggaccc gcgcgccccc 7200

gcgcggccgt ggccccgtgc gtgcgagcgc cgcctccggg gcccggcccc cgcgccccgg 7260

cccccgcgga cgcgcgccgt gtgccccagt cgcactcgtc cctggctcag gccgcgaacc 7320

aagaacagag tctgtgccgg gcgcgtgcga cggtggcgcg cggctcgggg gggccgggcg 7380

tggagggtgg acacgggccc tcccgcggcg ccgccccctc cggcgccccc ccgctcccct 7440

ccgccgcctc tgtcgagcag gaggcggcgg tgcgtccgag gaagaggcgc gggtcgggcc 7500

aggaaaaccc ctccccccag tccacgcgtc ccccccctcgc gccggcaggg gccaagaggg 7560

cggcgacgca ccccccctcc gactcagggc cgggggggcg cggccagggt gggcccggga 7620

ccccccctgac gtcctcggcg gcctccgcct cttcctcctc tgcctcttcc tcctcggccc 7680

cgactcccgc gggggccgcc tcttccgccg ccggggccgc gtcctcctcc gcttccgcct 7740

cctcgggcgg ggccgtcggt gccctgggag ggagacaaga ggaaacctcc ctcggccccc 7800

gcgctgcttc tgggccgcgg gggccgagga agtgtgcccg gaagacgcgc cacgcggaga 7860

cttccggggc cgcccccgcg ggcggcctca cgcgctacct gcccatctcg ggggtctcta 7920

gcgtggtcgc cctgtcgcct tacgtgaaca agacgatcac gggggactgc ctgcccatcc 7980

tggacatgga gacggggaac atcggggcgt acgtggtcct ggtggaccag acgggaaaca 8040

tggcgacccg gctgcgggcc gcggtccccg gctggagccg ccgcaccctg ctccccgaga 8100

ccgcgggtaa ccacgtgatg ccccccgagt acccgacggc ccccgcgtcg gagtggaaca 8160

gcctctggat gacccccgtg gggaacatgc tgttcgacca gggcacccta gtgggcgccc 8220

tggacttccg cagcctgcgg tctcggcacc cgtggtccgg ggagcagggg gcgtcgaccc 8280

gggacgaggg aaaacaataa gggacgcccc ccgtgtttgt ggggaggggg gggtcgggcg 8340

ctgggtggtc tctggccgcg cccactacac cagccaatcc gtgtcgggga ggggaaaagt 8400

gaaagacacg ggcaccacac accagcgggt ctttagtgtt ggccctaata aaaaactcag 8460

gggatttttg ctgtctattg ggaaataaag gtttactttt gtatcttttc cctgtctgtg 8520

ttggatggat ctcgggggtg cgtgggagtg ggggtgcgtg ggagtggggg tgcgtgggag 8580

tgggggtgcg tgggagtggg ggtgcgtggg agtgggggtg cgtgggagtg ggggtgcgtg 8640

ggagtggggg tgcgtgggag tgggggtgcg tgggagtggg ggtgccatgt tgggcaggct 8700

ctggtgttaa ccacagagcc gcggcccggg ctgcctgacc accgatcccc gaaagcatcc 8760

tgccactggc atggagccag aaccacagtg ggttgggtgt gggtgttaag tttccgcgag 8820

cgcctgcccg cccggactga cctggcctct ggccgccaca aagggcgggg gggggttaac 8880

tacactatag ggcaacaaag gacgggaggg gtggcggggc gggacggggc gcccaaaagg 8940

gggtcggcca caccacagac gtgggtgttg gggggtgggg cggaggggtg gggggggaga 9000

cagaaacagg aacatagtta gaaaacaaga atgcggtgca gccagagaat cacaggagac 9060

gaggggatgg gcgtgttggt taccaaccca cacccaggca tgctcggtgg tatgaaggag 9120

gggggcggt gcttcttaga gaccgccggg ggacgtgggg ttggtgtgca gaggcacgcg 9180

cacccgcgtc ggccaggtgg gccggtaccc catccccccc cccccgaccc ttcccacccc 9240

cgcgtgccag agatcacccc ggtcccccgg cacccgccac tcctccatat cctcgcttta 9300

ggaacaactt tagggggggt acacacgcgc cgtgcatttc cttccacacc ccccctcccc 9360

cgcactcccc ccccccggc agtaagaccc aagcatagag agccaggcac aaaaacacag 9420

gcggggtggg acacatgcct tcttggagta cgtgggtcat tggcgtgggg ggttacagcg 9480

acaccggccg acccccctggc ggtcttccag ccggccctta gataaggggg cagttggtgg 9540

tcggacgggt aagtaacaga gtctgactaa gggtgggagg gggggaaaag aacgggctgg 9600

tgtgctgtaa cacgagccca cccgcgagtg gcgtggccga ccttagcctc tggggcgccc 9660

cctgtcgttt gggtcccccc cctctattgg ggagaagcag gtgtctaacc tacctggaaa 9720

cgcggcgtct ttgttgaacc acaccggggc gcccttgacg agtgggataa cgggggagga 9780

agggagggag gagggtactg ggggtgaaga aggggggggg gggagaagcg agaacaggaa 9840

aggcgacgga gcccgacaaa acaccgagaa aaaaaaacca cagcgcatgc gccgggccgt 9900

tgtggggccc cgggccgggg ccccttgggt ccgccggggc cccgggccgg gccgccacgg 9960

gggccggccg ttggcggtaa ccccgattgt ttatctcagg ccccgggccg ggaacccgga 10020

aaagcctccg gggggccttt ttcgcgtcgc gtgccggcga gcgggcccgg acggggcccg 10080

gaccgccgcg gtcgggggcc ccctcgtccc gggccgtacg cggccttcgc cccgtgaggg 10140

gacagacgaa cgaaacattc cggcgacgga acgaaaaaca ccccagacgg gttaaagaaa 10200

cagaaaccgc aacccccccc acccccgaaa cggggaaaac aaaaaacaga ccagcggccg 10260

gccggcgctt agggggagga tgtcgccgac gccccttggc cgccccggct gcagggggggc 10320

ccggagagcc gcggcacccg gacgcgcccg gaaagtcttt cgcaccaccc gcgatcggca 10380

cggccgcgcc cccgctttta taaaggctca gatgacgcag caaaaacagg ccacagcacc 10440

acgtgggtag gtgatgtaat tttattttcc tcgtctgcgg cctaatggat ttccgggcgc 10500

ggtgcccctg tctgcagagc acttaacgga ttgatatctc gcgggcacgc gcgcccttaa 10560

tggaccggcg cggggcgggg ggccggatac ccacacgggc gggggggggg gtgtcgcggg 10620

ccgtctgctg gcccgcggcc acataaacaa tgactctggg cctttctgcc tctgccgctt 10680

gtgtgtgcgc gcgccggctc tgcggtgtcg gcggcggctg cggcggctgc ggcggccgcc 10740

gtgttcggtc tcggtagccg gccggcgggt ggactcgcgg ggggccggag ggtggaaggc 10800

agggggggtgt aggatgggta tcaggacttc cacttcccgt ccttccatcc cccgttcccc 10860

tcggttgttc ctcgcccccc cccacacccc gccgctttcc gttggggttg ttattgttgt 10920

cgggatcgtg cgggccgggg gtcgccgggg caggggcggg ggcgggggtg ctcgtcgatc 10980

gaccgggctc agtgggggcg tggggtgggg gggaaaaggc gaagagactg ggggtggggg 11040

ggggtgtcgg gggtggctgt ttttttttgt gggtgttttt tgtggctgtt cccgtccccc 11100

gtcacccccc tccctccgtc cccccgtcgc gggtgtttgt gtttgtttat tccgacatcg 11160

gtttatttaa ataaacacag ccgttctgcg tgtctgttct tgcgtgtggc tgggggctta 11220

tatgtggggt cccgggggcg ggatggggtt tagcggcggg gggcggcgcg ccggacgggg 11280

cgctggagat aacggccccc ggggaacggg ggaccggggc tgggtctccc gaggtgggtg 11340

ggtgggcggc ggtggccggg ccgggccggg ccgggtgggc ggggtttgga aaaacgagga 11400

ggaggaggag gagaaggagg gggggggaga cgggggggaaa gcaaggacac ggcccggggg 11460

gtgggagcgc gggccgggcc gctcgtaaga gccgcgaccc ggccgccggg gagcgttgtc 11520

gccgtcggtc tgccggcccc cgtccctccc ttttttgacc aaccagcgcc ccccccctc 11580

accaccattc ctaccaccac caccaccacc gacacctccc gcacaccccc gcccacactc 11640

ccccccccca cccaacccgc accacgagca cgggttgggg gtagcagggg atcaaagggg 11700

ggcaaggccg gcggggcggt tcgggggcgg gggcgggaga ccgagtaggc cccgcccatc 11760

cgcggcccct cccggcagcc acgcccccca gcgtcgggtg tcacggggaa agagcagggg 11820

gagaggggag agggggggag aggggagagg gggggagagg ggagaggggg ggagagggga 11880

gaggggggga gaggggagag gggggagagg gggagagggg gggagagggg agaggggggg 11940

agaggggaga gggggggaga ggggagaggg ggggagaggg gagaggggg gagaggggt 12000

atataaacca acgaaaagcg cgggaacggg gatacggggc ttgtgtggca cgacgtcgtg 12060

gttgtgttac tgggcaaaca cttggggact gtaggtttct gtgggtgccg accctaggcg 12120

ctatggggat tttgggttgg gtcgggctta ttgccgttgg ggttttgtgt gtgcgggggg 12180

gcttgtcttc aaccgaatat gttattcgga gtcgggtggc tcgagaggtg ggggatatat 12240

taaaggtgcc ttgtgtgccg ctcccgtctg acgatcttga ttggcgttac gagacccccт 12300

cggctataaa ctatgctttg atagacggta tatttttgcg ttatcactgt cccggattgg 12360

acacggtctt gtgggatagg catgcccaga aggcatattg ggttaacccc tttttatttg 12420

tggcgggttt tttggaggac ttgagtcacc ccgcatttcc tgccaacacc caggaaacag 12480

aaacgcgctt ggccctttat aaagagatac gccaggcgct ggacagtcgc aagcaggccg 12540

ccagccacac acctgtgaag gctgggtgtg tgaactttga ctattcgcgc acccgccgct 12600

gtgtagggcg acaggatttg ggacctacca acggaacgtc tggacggacc ccggttctgc 12660

cgccggacga tgaagcgggc ctgcagccga agcccctcac cacgccgccg cccatcatcg 12720

ccacgttgga ccccaccccg cgacgggacg ccgccgcaaa aagcagacgc cgacgacccc 12780

actcccggcg catctaatga tgccgcgacg gaaacccgtc cgggttcggg gggcgaaccg 12840

gccgcctgtc gctcgtcagg gccggcgggc gctcctcgcc gccctagagg ctgtcccgct 12900

ggtgtgacgt tttcctcgtc cgcgcccccc gaccctccca tggatttaac aaacgggggg 12960

gtgtcgcctg tggcgacctc ggcgcctctg gactggacca cgtttcggcg tgtgtttctg 13020

atcgacgacg cgtggcggcc cctgttggag cctgagctgg cgaacccctt aaccgcccac 13080

ctcctgaccg aatataatcg tcggtgccag accgaagagg tgctgccgcc gcgggaggat 13140

gtgttttcgt ggactcgtta ttgcaccccc gacgaggtgc gcgtggttat catcggccag 13200

gacccatatc accaccccgg ccaggcgcac ggacttgcgt ttagcgtgcg cgcgaacgtg 13260

ccgcctcccc cgagtcttcg gaatgtcttg gcggccgtca agaactgtta tcccgaggca 13320

cggatgagcg gccacggttg cctggaaaag tgggcgcggg acggcgtcct gttactaaac 13380

acgaccctga ccgtcaagcg cggggcggcg gcgtcccact ctagaatcgg ttgggaccgc 13440

ttcgtgggcg gagttatccg ccggttggcc gcgcgccgcc ccggcctggt gtttatgctc 13500

tggggcgcac atgcccagaa tgccatcagg ccggaccctc gggtccattg cgtcctcaag 13560

ttttcgcacc cgtcgccccc ctccaaggtt ccgttcggaa catgccagca tttcctcgtg 13620

gcgaatcgat atctcgagac ccggtcgatt tcacccatcg actggtcggt ttgaaaggca 13680

tcgacgtccg gggttttcgt ctgtgggggc ttttgggtat ttccgatgaa taaagacggt 13740

taatggttaa acctctggtc tcatacgggt cggtgatgtc gggcgtcggg ggagagggag 13800

ttccctctgc gcttgcgatt ctagcctcgt ggggctggac gttcgacacg ccaaaccacg 13860

agtcagggat atcgccagat acgactcccg cagattccat tcgggggcc gctgtggcct 13920

cacctgacca acctttacac gggggcccgg aacgggaggc cacagcgccg tctttctccc 13980

caacgcgcgc ggatgacggc ccgccctgta ccgacgggcc ctacgtgacg tttgataccc 14040

tgtttatggt gtcgtcgatc gacgaattag ggcgtcgcca gctcacggac accatccgca 14100

aggacctgcg gttgtcgctg gccaagttta gcattgcgtg caccaagacc tcctcgtttt 14160

cgggaaacgc cccgcgccac cacagacgcg gggcgttcca gcgcggcacg cgggcgccgc 14220

gcagcaacaa aagccttcag atgtttgtgt tgtgcaaacg cacccacgcc gctcgagtgc 14280

gagagcagct tcgggtcgtt attcagtccc gcaagccgcg caagtattac acgcgatctt 14340

cggacgggcg gctctgcccc gccgtccccg tgttcgtcca cgagttcgtc tcgtccgagc 14400

caatgcgcct ccaccgagat aacgtcatgc tggcctcggg ggccgagtaa ccgccccccc 14460

gcgccaccct cactgcccgt cgcgcgtgtt tgatgttaat aaataacgca taaattatct 14520

taatagatct cccgatcccc tatggtgcac tctcagtaca atctgctctg atgccgcata 14580

gttaagccag tatctgctcc ctgcttgtgt gttggaggtc gctgagtagt gcgcgagcaa 14640

aatttaagct acaacaaggc aaggcttgac cgacaattgc atgaagaatc tgcttagggt 14700

taggcgtttt gcgctgcttc gcgatgtacg ggccagatat acgcgttgac attgattatt 14760

gactagttat taatagtaat caattacggg gtcattagtt catagcccat atatggagtt 14820

ccacgttaca taacttacgg taaatggccc gcctggctga ccgcccaacg acccccgccc 14880

attgacgtca ataatgacgt atgttcccat agtaacgcca atagggactt tccattgacg 14940

tcaatgggtg gagtatttac ggtaaactgc ccacttggca gtacatcaag tgtatcatat 15000

gccaagtacg ccccctattg acgtcaatga cggtaaatgg cccgcctggc attatgccca 15060

gtacatgacc ttatgggact ttcctacttg gcagtacatc tacgtattag tcatcgctat 15120

taccatggtg atgcggtttt ggcagtacat caatgggcgt ggatagcggt ttgactcacg 15180

gggatttcca agtctccacc ccattgacgt caatgggagt ttgttttggc accaaaatca 15240

acgggacttt ccaaaatgtc gtaacaactc cgccccattg acgcaaatgg gcggtaggcg 15300

tgtacggtgg gaggtctata taagcagagc tctctggcta actagagaac ccactgctta 15360

ctggcttatc gaaattaata cgactcacta tagggagacc caagctggct agttaagctt 15420

ggtaccgagc tcggatccac tagtccagtg tggtggaatt gcccttggat cctcaatggc 15480

ccagcgcaac ggcatgtcgc cgcgcccccc gcccctcggt cgcggccgcg gggccggagg 15540

gccttcgggg gttggttcct ctcctccttc ttcttgtgtg ccgatgggag cgccgtccac 15600

agcgggcact ggtgcgagtg ctgcggctac gacgacgccg ggccacggcg tccaccgggt 15660

agaaccccgc gggccgccgg gcgcccctcc gagtagcgac aacaatggca acttttggca 15720

cggcccggag cgcctgttgc tgtctcagat tccggtggag cgccaggcgc tgacggagct 15780

ggaataccag gccatgggcg ccgtgtggcg cgcggcgttt ttggccaaca gcacgggccg 15840

cgccatgcgc aagtggtcgc agcgcgacgc gggcacgctg ctgccgctcg gacggccgta 15900

cggattctac gcgcgggtga cgccgcgcag ccagatgaac ggcgtgggcg cgacggacct 15960

gcgtcaactg tcgccgcggg acgcgtggat cgtactggtg gctaccgtgg tgcacgaggt 16020

ggaccccgca gccgacccga cgttgggcga caaggccggc catcccgagg gtctgtgcgc 16080

gcaggacgga ctgtacctgg cgctgggcgc cgggttccgc gtgttcgtgt acgacctggc 16140

aaacaacacg ctgatcctag cggcgcgcga cgcggacgag tggtttcggc acggcgcggg 16200

cgaggtggtg cggctgtacc gctgcaaccg gctgggcgtg ggcaccccgc gcgcgacgct 16260

gctgcctcag ccggcgctcc gacagacgtt gctgcgcgcc gaggaggcga cggcgctcgg 16320

acgggagctg cgccggcggt gggccggcac gacggtggcg ctgcagacgc cgggcaggcg 16380

actgcagccg atggtactgc tgggcgcgtg gcaggagctg gcgcagtacg agccgttcgc 16440

gtcggcgccg caccccgcgt cgctgctgac ggccgtgcgt cggcacctga accagcgtct 16500

gtgctgcggc tggctggcgc tgggcgcggt gctgcccgcg cggtggctgg gctgcgcggc 16560

ggggccggcg acggggacgg cggcggggac gacgtcgccg ccagcggcga gcggcacgga 16620

gacggaggcc gccggcgggg acgcgccgtg cgcgatagcg ggagccgtgg ggtccgctgt 16680

acctgtgcct ccgcagccgt acggcgccgc cggcgggggc gcgatttgcg tgcctaacgc 16740

ggacgcgcac gcggtggtcg gggcggacgc ggcagcagca gcggcgccga cggtgatggt 16800

gggttcgaca gcgatggcgg gtccggcggc gtcggggacc gtgccgcgcg ccatgctggt 16860

ggtgctgctg gacgagctgg gcgccgtgtt cgggtactgc ccgctggacg ggcacgtgta 16920

cccgctggcg gcggagctgt cgcactttct gcgcgcgggc gtgctgggcg cgctggcgct 16980

gggacgcgag tcggcgcccg ccgccgaggc cgcgcggcgg ctgctgcccg agctggaccg 17040

cgagcagtgg gagcggccgc gctgggacgc gctgcacctg cacccgcgcg ccgcgctgtg 17100

ggcgcgcgag ccgcacgggc agtgggagtt catgtttcgc gaacaacgcg gtgaccccat 17160

aaatgatccc ctcgcatttc gtctttcgga cgctcgaact ctcggtctcg acctcaccac 17220

cgtcatgaca gagcgtcaaa gtcaattgcc cgaaaagtat atcggtttct atcagattag 17280

gaaacctcct tggctcatgg aacaacctcc acccccatct cgccaaacca aaccggacgc 17340

tgcaacgatg cccccaccgc tcagtgctca ggcaagcgtc agctacgcgc tccgatacga 17400

tgacgagtcc tggcgcccgc tcagcacagt tgacgaccac aaagcctggt tggatctcga 17460

cgaatcacat tgggtcctcg gggacagccg acccgacgat ataaaacaac gcagactgct 17520

gaaggccact caacgacgag gcgccgaaat cgacagaccc atgcctgtcg tgcctgaaga 17580

atgttacgac caacgcttca ctaccgaagg ccaccaggtc atcccgttgt gcgcgtccga 17640

acccgaggat gacgacgaag atcctaccta cgacgaattg ccgtcgcgcc caccccagaa 17700

acataagccg ccagacaaac ctccgcgctt atgcaaaacg ggccccggcc cacctccgct 17760

gccgccaaag caacggcacg gttccaccga cggaaaagtt tctgcgcccc gacagtcgga 17820

gcatcataaa agacagaccc gaccgccaag gccgccaccg cccaaattcg gggatagaac 17880

cgcggcccat ctctcgcaaa atatgcggga catgtacctc gatatgtgta catcttcggg 17940

ccacaggcca cggccgccag cacctccgcg gccgaaaaaa tgtcaaacac acgcccctca 18000

ccacgttcat cataagctta agggcaattc tgcagatatc cagcacagtg gcggccgctc 18060

gagtctagag ggcccgcggt tcgaaggtaa gcctatccct aaccctctcc tcggtctcga 18120

ttctacgcgt accggtcatc atcaccatca ccattgagtt taaacccgct gatcagcctc 18180

gactgtgcct tctagttgcc agccatctgt tgtttgcccc tcccccgtgc cttccttgac 18240

cctggaaggt gccactccca ctgtcctttc ctaataaaat gaggaaattg catcgcattg 18300

tctgagtagg tgtcattcta ttctgggggg tggggtgggg caggacagca agggggagga 18360

ttgggaagac aatagcaggc atgctgggga tgcggtgggc tctatggctt ctgaggcgga 18420

aagaaccagc tggggctcta gggggtatcc ccacgcgccc tgtagcggcg cattaagcgc 18480

ggcgggtgtg gtggttacgc gcagcgtgac cgctacactt gccagcgccc tagcgcccgc 18540

tcctttcgct ttcttccctt cctttctcgc cacgttcgcc ggctttcccc gtcaagctct 18600

aaatcggggg ctccctttag ggttccgatt tagtgcttta cggcacctcg accccaaaaa 18660

acttgattag ggtgatggtt cacgtagtgg gccatcgccc tgatagacgg tttttcgccc 18720

tttgacgttg gagtccacgt tctttaatag tggactcttg ttccaaactg gaacaacact 18780

caaccctatc tcggtctatt cttttgattt ataagggatt ttgccgattt cggcctattg 18840

gttaaaaaat gagctgattt aacaaaaatt taacgcgaat taattctgtg gaatgtgtgt 18900

cagttagggt gtggaaagtc cccaggctcc ccagcaggca gaagtatgca aagcatgcat 18960

ctcaattagt cagcaaccag gtgtggaaag tccccaggct ccccagcagg cagaagtatg 19020

caaagcatgc atctcaatta gtcagcaacc atagtcccgc ccctaactcc gcccatcccg 19080

cccctaactc cgcccagttc cgcccattct ccgccccatg gctgactaat ttttttatt 19140

tatgcagagg ccgaggccgc ctctgcctct gagctattcc agaagtagtg aggaggcttt 19200

tttggaggcc tagtattaag gaatttggct ggttgtttgt tgtctttaat ggaccgcccg 19260

cagggggggt ggcatttcag tgtcgggtga cgagcgcgat ccggccggga tcctaggacc 19320

ccaaaagttt gtctgcgtat tccagggcgg ggctcagttg aatctcccgc agcacctcta 19380

ccagcaggtc cgcggtgggc tggagaaact cggccgtccc ggggcaggcg gtcgtcgggg 19440

gtggaggcgc ggcgcccacc ccgtgtgccg cgcctggcgt ctcctctggg ggcgacccgt 19500

aaatggttgc agtgatgtaa atggtgtccg cggtccagac cacggtcaaa atgccggccg 19560

tggcgctccg ggcgctttcg ccgcgcgagg agctgaccca ggagtcgaac ggatacgcgt 19620

acatatgggc gtcccacccg cgttcgagct tctggttgct gtcccggcct ataaagcggt 19680

aggcacaaaa ttcggcgcga cagtcgataa tcaccaacag cccaatgggg gtgtgttgga 19740

taacaacgcc tccgcgcggc aggcggtcct ggcgctcccg gccccgtacc atgatcgcgc 19800

gggtgccgta ctcaaaaaca tgcaccacct gcgcggcgtc gggcagtgcg ctggtcagcg 19860

aggccctggc gtggcatagg ctatacgcga tggtcgtctg tggattggac atctcgcggt 19920

gggtagtgag tcccccgggc cgggttcggt ggaactgtaa ggggacggcg ggttaatata 19980

caatgaccac gttcggatcg cgcagagccg atagtatgtg cttactaatg acgtcatcgc 20040

gctcgtggcg ctcccggagc ggatttaagt tcatgcgaag gaattcggag gaggtggtgc 20100

gggacatggc cacgtacgcg ctgttgaggc gcaggttgcc gggcgtaaag cagatggcga 20160

ccttgtccag gctaaggccc tgggagcgcg tgatggtcat ggcaagcttg gagctgatgc 20220

cgtagtcggc gtttatggcc atggccagct ccgtagagtc aatggactcg acaaactcgc 20280

tgatgttggt gttgacgacg gacatgaagc cgtgttggtc ccgcaagacc acgtaaggca 20340

ggggggcctc ttccagtaac tcggccacgt tggccgtcgc gtgccgcctc cgcagctcgt 20400

ccgcaaaggc aaacacccgt gcgtacgtgt atcccatgag cgtataattg tccgtctgca 20460

gggcgacgga catcagcccc ccgcgcggcg agccggtcag catctcgcag ccccggaaga 20520

taacgttgtc cacgtacgtg ctaaaggggg cgccttcaaa tgcctcccca aagagctctt 20580

ggaggattcg gaatctcccg aggaaggccc gcttcagcag cgcaaactgg gtgtgaacgg 20640

cggcggtggt ctccggttcc ccgggggtgt agtggcagta aaacacgtcg agctgttgtt 20700

cgtccagccc cgcgaaaata acgtcgaggt cgtcgtcggg aaaatcgtcc gggcccccgt 20760

cccgcggccc cagttgctta aaatcaaacg cacgctcgcc gggggcgcct gcgtcggcca 20820

ttaccgacgc ctgcgtcggc acccccgaag atttggggcg cagagacaga atctccgccg 20880

ttagttctcc catgcgggcg taggcgaggg tcctctgggt cgcatccagg cccgggcgct 20940

gcagaaagtt gtaaaaggag ataagcccgc taaatatgag ccgcgacagg aacctgtagg 21000

caaactccac cgaagtctcc ccctgagtct ttacaaagct gtcgtcacgc aacactgcct 21060

cgaaggcccg gaacgtccca ctaaacccaa aaaccagttt tcgcaggcgc gcggttaccg 21120

cgatctggct gttgaggacg taagtgacgt cgttgcgggc cacgaccagc tgctgtttgc 21180

tgtgcacctc gcagcgcatg tgccccgcgt cctggtcctg gctctgcgag tagttggtga 21240

tgcggctggc gttggccgtg agccactttt caatagtcag gccgggctgg tgtgtcagcc 21300

gtcggtattc gtcaaactcc ttgaccgaca cgaacgtaag cacggggagg gtgaacacga 21360

caaactcccc ctcacgggtc accttcaggt aggcgtggag cttggccatg tacgcgctca 21420

cctctttgtg ggaggagaac aaccgcgtcc agccggggag gttggcgggg ttggtgatgt 21480

agttttccgg gacgacgaag cgatccacga actgcatgtg ctcctcggtg atgggtaggc 21540

cgtactccag caccttcatg aggttaccga actcgtgctc gatgcaccgt ttgttgttaa 21600

taaaaatggc ccagctatac gagaggcggg cgtactcccg cagcgtgcgg ttgcagatga 21660

ggtacgtgag cacgttctcg ctctggcgga cggaacaccg cagtttctgg tgctcgaagg 21720

tcgactccag ggacgccgtc tgtgtcggcg agcccacaca caccaacacg ggccgcaggc 21780

gggccgcgta ctgggggggtg tggtacaggg cgttaatcat ccaccagcaa tacaccacgg 21840

ccgtgaggag gtgacgccca aggagcccgg cctcgtcgat gacgatcacg ttgctgcggg 21900

taaaggccgg cagcgccccg tgggtggccg gggccaaccg cgtcagggcg ccctcggcca 21960

accccagggt ccgttccagg gcggccaggg cgcgaaactc gttccgcgac tcctcgcccc 22020

cggaggcggc cagggtgcgc ttcgtgaggt ccaaaatcac ctcccagtag tacgtcagat 22080

ctcgtcgctg caggtcctcc agcgaggcgg ggttgctggt cagggtgtac gggtactgcc 22140

ccagttgggc ctggacgtga ttcccgcgaa acccaaattc atgaaagatg gtgttgatgg 22200

gtcggctgag aaaggcgccc gagagtttgg cgtacatgtt ttgggccgca atgcgcgtgg 22260

cgcccgtcac cacacagtcc aagacctcgt tgattgtctg cacgcacgtg ctctttccgg 22320

agccagcgtt gccggtgata agatacaccg cgaacggaaa ctccctgagg ggcaggcctg 22380

cgggggactc taaggccgcc acgtcccgga accactgcag acggggcact tgcgctccgt 22440

cgagctgttg ttgcgagagc tctcggatgc gcttaaggat tggctgcacc ccgtgcatag 22500

acgtaaaatt taaaaaggcc tcggccctcc ctggaacggc tggtcggtcc ccgggttgct 22560

gaaggtgcgg cgggccgggt ctctgtccgt ctagctggcg ctccccgccg gccgccgcca 22620

tgaccgcacc acgctcgcgg gcccccacta cgcgtgcgcg gggggacacg gaagcgctgt 22680

gctcccccga ggacggctgg gtaaaggttc accccacccc cggtacgatg ctgttccgcg 22740

agattctcca cgggcagctg gggtataccg agggccaggg ggtgtacaac gtcgtccggt 22800

ccagcgaggc gaccacccgg cagctgcagg cggcgatctt tcacgcgctc ctcaacgcca 22860

ccacttaccg ggacctcgag gcggactggc tcggccacgt ggcggcccgc ggtctgcagc 22920

cccaacggct ggttcgccgg tacaggaacg cccgggaggc ggatatcgcc ggggtggccg 22980

agcgggtgtt cgacacgtgg cggaacacgc ttaggacgac gctgctggac tttgcccacg 23040

ggttggtcgc ctgctttgcg ccgggcggcc cgagcggccc gtcaagcttc cccaaatata 23100

tcgactggct gacgtgcctg gggttggtcc ccatattacg caagcgacaa gaaggggtg 23160

tgacgcaggg tctgagggcg tttctcaagc agcacccgct gacccgccag ctggccacgg 23220

tcgcggaggc cgcggagcgc gccggccccg ggtttttga gctggcgctg gccttcgact 23280

ccacgcgcgt ggcggactac gaccgcgtgt atatttacta caaccaccgc cggggcgact 23340

ggctcgtgcg agaccccatc agcgggcagc gcggagaatg tctggtgctg tggcctccct 23400

tgtggaccgg ggaccgtctg gtcttcgatt cgcccgtaca gcggctgttt cccgagatcg 23460

tcgcgtgtca ctccctccgg gaacacgcgc acgtctgccg gctgcgcaat accgcgtccg 23520

tcaaggtgct gctggggcgc aagagcgaca gcgagcgcgg ggtggccggc gccgcgcggg 23580

tcgttaacaa ggtgttgggg gaggacgacg agaccaaggc cgggtcggcc gcctcgcgcc 23640

tcgtgcggct tatcatcaac atgaagggca tgcgccacgt aggcgacatt aacgacactg 23700

tgcgtgccta cctcgacgag gccgggggggc acctgataga cgccccggcc gtcgacggta 23760

ccctcccggg attcggcaag ggcggaaaca gccgcgggtc tgcgggccag gaccaggggg 23820

ggcgggcgcc gcagcttcgc caggccttcc gcacggccgt ggttaacaac atcaacggcg 23880

tgttggaggg ctatataaat aacctgtttg gaaccatcga gcgcctgcgc gagaccaacg 23940

cgggcctggc gacccagttg caggagcgcg accgcgagct ccggcgcgca acatcggggg 24000

ccctggagcg ccagcagcgc gcggccgacc tggcggccga gtccgtgacc gggggatgcg 24060

gcagccgccc tgcgggggcg gacctgctcc gggccgacta tgacattatc gacgtcagca 24120

agtccatgga cgacgacacg tacgtcgcca acagttttca gcacccgtac atcccttcgt 24180

acgcccagga cctggagcgc ctgtcgcgcc tctgggagca cgagctggtg cgctgtttca 24240

aaattctgtg tcaccgcaac aaccagggcc aagagacgtc gatctcgtac tccagcgggg 24300

cgatcgccgc attcgtcgcc ccctactttg agtcagtgct tcgggccccc cgggtaggcg 24360

cgcccatcac gggctccgat gtcatcctgg gggaggagga gttatgggat gcggtgttta 24420

agaaaacccg cctgcaaacg tacctgacag acatcgcggc cctgttcgtc gcggacgtcc 24480

agcacgcagc gctgcccccg ccccctctcc cggtcggcgc cgatttccgg cccggcgcgt 24540

ccccgcgggg ccggtccaga tcgcggtcgc ccggaagaac tgcgcgaggc gcgccggacc 24600

agggcggggg catcgggcac cgggatggcc gccgcgacgg ccgacgatga ggggtcggcc 24660

gccaccatcc tcaagcaggc catcgccggg gaccgcagcc tggtcgaggc ggccgaggcg 24720

attagccagc agacgctgct ccgcctggcc tgcgaggtgc gccaggtcgg cgaccgccag 24780

ccgcggttta ccgccaccag catcgcgcgc gtcgacgtcg cgcctgggtg ccggttgcgg 24840

ttcgttctgg acgggagtcc cgaggacgcc tatgtgacgt cggaggatta ctttaagcgc 24900

tgctgcggcc agtccagtta tcgcggcttc gcggtggcgg tcctgacggc caacgaggac 24960

cacgtgcaca gcctggccgt gccccccctc gttctgctgc accggttctc cctgttcaac 25020

cccagggacc tcctggactt tgagcttgcc tgtctgctga tgtacctgga gaactgcccc 25080

cgaagccacg ccaccccgtc gacctttgcc aaggttctgg cgtggctcgg ggtcgcgggt 25140

cgccgcacgt ccccattcga acgcgttcgc tgccttttcc tccgcagttg ccactgggtc 25200

ctaaacacac tcatgttcat ggtgcacgta aaaccgttcg acgacgagtt cgtcctgccc 25260

cactggtaca tggcccggta cctgctggcc aacaacccgc cccccgttct ctcggccctg 25320

ttctgtgcca ccccgacaag ctcctcattc cggctgccgg ggccgccccc ccgctccgac 25380

tgcgtggcct ataaccccgc cgggatcatg gggagctgct gggcgtcgga ggaggtgcgc 25440

gcgcctctgg tctattggtg gctttcggag accccaaaac gacagacgtc gtcgctgttt 25500

tatcagtttt gttgaatttt aggaaataaa cccggttttg tttctgtggc ctcccgacgg 25560

atgcgcgtgt ccttactccg tcttggtggg tgggtggctg tgtatggcgt cccatctgtg 25620

cggggagggg ggcaagtcgg cacgtattcg gacagactca agcacacacg ggggagcgct 25680

cttgtctcag ggcaatgttt ttattggtca aactcaggca aacagaaacg acatcttgtc 25740

gtcaaaggga tacacaaact tccccccctc gccccatact cccgccagca ccccggtaaa 25800

caccaactca atctcgcgca ggatttcgcg caggtgatga gcgcagtcca cgggggggag 25860

cacaaggggc cgcgggtata gatcgacggg gacgccgacc gactccccgc ctccgggaca 25920

gacacgcacg acgcgccgcc agtagtgctc tgcgtccagc aaggcgccgc cgcggaaggc 25980

agtgggggggc aaggggtcgc tggcctcaaa gggggacacc cgaacgctcc agtactccgc 26040

gtccaaccgt ttattaaacg cgtccaagat aaggcggtcg caggcgtcct ccataaggcc 26100

ccgggccgtg agtgcgtcct cctccggcac gcctgccgtt gtcaggccca ggacccgtcg 26160

cagcgtgtcg cgtacgaccc cggccgccgt ggtgtacgcg ggcccgcgga gaggaaatcc 26220

cccaagatgg tcagtgttgt cgcgggagtt ccagaaccac actcccgcct ggctccaggc 26280

gactgcgtgg gtgtagacgc cctcgagggc caggcacagt gggtgccgca gccggaggcc 26340

gttggcccta agcacggctc ccacggccgt ctcgatggcc cgccgggcgt cctcgatcac 26400

cccggaagcc gcatccgcgt cttgggggtc cacgttaaag acaccccaga acgcaccccc 26460

atcgcccccg cagaccgcga acttcaccga gctggccgtc tcctcgatct gcaggcagac 26520

ggcggccatt accccaccca ggagctgccg cagcgcaggg caggcgttgc acgtgtccgg 26580

gaccaggcgc tccaagacgg ccccggccca gggctctgag ggagcggcca ccaccagcgc 26640

gtccagtctt gctaggcccg tccggccgtg ggggtccgcc agcccgctcc ccccgaggtc 26700

ggccagggcc gccaggagct gggcgcgaag tccggggaag caaaaccgcg ccgtccagac 26760

gggcccgacg gccgcgggcg ggtctaacag ttggatgatt ttagtggcgg gatgccaccg 26820

cgccaccgcc tcccgcactg cgggcaggag gcatccggct gccgccgagg ccacgccggg 26880

ccaggctcgc ggggggagga cgaccctgac ccccaccgcg ggccaggccc ccaggagcgc 26940

ggcgtaagcg gccgcggccc cgcgcaccag gtcccgtgcc gactcggccg tggccggcac 27000

ggtgaacgtg ggccaacccg gaaaccccag gacggcaaag tacgggacgg gtccccccg 27060

gacctcaaac tcgggcccca gaaaggcaaa gacgggggcc agggccccgg gggcggcgtg 27120

gaccgtggta tgccactgcc ggaaaagggc gacgagcgcc ggcgcggaga acttctcgcc 27180

ggcgcttaca aagtagtcgt aatcgcgggg cagcagcacc cgtgccgtga ctcgttgcgg 27240

gtgcccgcgt ggccgcaggc ccacctcgca cacctcgacc aggtccccga acgcgccctc 27300

cttcttgatc ggcggaaacg caagagtctg gtattcgcgc gcaaatagcg cggttccggt 27360

ggtgatgtta acggtcagcg aagcggtgga cgcgcactgg ggggtgtcgc gaatggccgc 27420

caggcgcgcc cacgccagcc gcgcgtcggg atgctcggca acgcgcgccg ccagggccat 27480

agggtcgatg tcaatgttgg cctccgcgac caggagagcg gcgcgagggg cggcgggcgg 27540

gccccacgac gctctctcaa ctttcaccac cagtcccgtg cgtgggtccg agccgatacg 27600

cagcggggcg aacagggcca ccggcccggt ctggcgctcc agggccgcca ggacgcacgc 27660

gtacagcgcc cgccacagag tcgggttctc caggggctcc agcggggagg cggccggcgt 27720

cgtcgcggcg cgggcggccg ccacgacggc ctggacggag acgtccgcgg agccgtagaa 27780

atcccgcagc tccgtcgcgg tgacggagac ctccgcaaag cgcgcgcgac cctcccctgc 27840

ggcgttgcga catacaaaat acaccagggc gtggaagtac tcgcgagcgc gggggggcag 27900

ccataccgcg taaagggtaa tggcgctgac gctctcctcc acccacacga tatctgcggt 27960

gtccatcgca cggcccctaa ggatcacggg cggtctgtgg gtcccatgct gccgtgcctg 28020

gccgggcccg gtgggttgcg gaaaccggtg acgggggggg gggcggtttt tggggttggg 28080

gtgggaaacg gcccgggtcc gggggccaac ttggcccctc ggtgcgttcc ggcaacagcg 28140

ccgccggtcc gcggacgacc acgtaccgaa cgagtgcggt cccgagactt atagggtgct 28200

aaagttcacc gccccctgca tcatgggcca ggcctcggtg gggagctccg acagcgccgc 28260

ctccaggatg atgtcagcgt tggggttggc gctggatgag tgcgtgcgca aacagcgccc 28320

ccacgcgggc acgcgtagct tgaagcgcgc gcccgcaaac tcccgcttgt gggccataag 28380

cagggcgtac agctgcctgt gggtccggca ggcgctgtgg tcgatgtggt gggcgtccaa 28440

caaccccacg attgtctgtt tggtgaggtt tttaacgcgc cccgccccgg gaaacgtctg 28500

cgtgcttttg gccatctgca cgccaaacag ttcgccccag attatcttga acagcgccac 28560

cgcgtggtcc gtctcactaa cggacccgcg cgggggacag ccgcttaggg cgtcggcgac 28620

gcgcttgacg gcttcctccg agagcagaag tccgtcggtt acgttacagt ggcccagttc 28680

gaacaccagc tgcatgtagc ggtcgtagtg gggggtcagc aggtccagca cgtcatcggg 28740

gccgaaggtc ctcccagatc ccccggccgc cgagtcccaa tgcaggcgcg cggccatggt 28800

gctgcacagg cacaacagct cccagacagg ggttacgttc agggtggggg gcagggccac 28860

gagctccagc tctccggtga cgttgatcgt ggggatgacg cccgtggcgt agtggtcata 28920

gatccgccga aatatggcgc tgctgcgggt ggccatggga acgcggagac aggcctccag 28980

caacgccagg taaataaacc gcgtgcgtcc catcaggctg ttgaggttgc gcatgagcgc 29040

gacaatttcc gccggcgcga catcggaccg gaggtatttt tcgacgaaaa gacccacctc 29100

ctccgtctcg gcggcctggg ccggcagcga cgcctcggga tcccggcacc gcagctcccg 29160

tagatcgcgc tgggccctga gggcgtcgaa atgtacgccc cgcaaaaaca gacagaagtc 29220

ctttggggtc agggtatcgt cgtgtcccca gaagcgcacg cgtatgcagt ttagggtcag 29280

cagcatgtga aggatgttaa ggctgtccga gagacacgcc agcgtgcatc tctcaaagta 29340

gtgtttgtaa cggaatttgt tgtagatgcg cgacccccgc cccagcgacg tgtcgcatgc 29400

cgacgcgtca cagcgcccct tgaaccggcg acacagcagg tttgtgacct gggagaactg 29460

cgcgggccac tggccgcagg aactgaccac gtggttcagg agcatgggcg taaagacggg 29520

ctccgagcgc gccccggagc cgtccatgta aatcagtagc tccccccttgc ggagggtgcg 29580

cacccgtccc agggactggt acacggacac catgtccggt ccgtagttca tgggtttcac 29640

gtaggcgaac atgccatcaa agtgcagggg atcgaagctg aggcccacgg ttacgaccgt 29700

cgtgtatata accacgcggt attggcccca cgtggtcacg tccccgaggg gggtgagcga 29760

gtgaagcaac agcacgcggt ccgtaaactg acggcagaac cgggccacga tctccgcgaa 29820

ggagaccgtc gacgaaaaaa tgcagatgtt atcgcccccg ccaaggcgcg cttccagctc 29880

cccaaagaac gtggcccccc gggcgtccgg agaggcgtcc ggagacgggc cgctcggcgg 29940

cccgggcggg cgcagggcag cctgcaggag ctcggtcccc agacgcggga gaaacaggca 30000

ccggcgcgcc gaaaacccgg gcatggcgta ctcgccgacc accacatgca cgttttttc 30060

gccccggaga ccgcacagga agtccaccaa ctgcgcgttg gcggttgcgt ccatggcgat 30120

gatccgagga catgtgcgca gcaggcgtag cattaacgca tccacgcggc ccagttgctg 30180

catcgttggc gaatagagct ggcccagcgt cgacataacc tcgtccagaa cgaggacgtc 30240

gtagttgttc agaaggttgg ggcccacgcg atgaaggctt tccacctgga cgataagtcg 30300

gtggaagggg cggtcgttca taatgtaatt ggtggatgag aagtaggtga caaagtcgac 30360

caggcctgac tcagcgaacc gcgtcgccag ggtctgggta aaactccgac gacaggagac 30420

gacgagcaca ctcgtgtccg gagagtggat cgcttcccgc agccagcgga tcagcgcggt 30480

agtttttccc gaccccattg gcgcgcggac cacagtcacg cacctggccg tcggggcgct 30540

cgcgttgggg aaggtgacgg gtccgtgctg ctgccgctcg atcgttgttt tcgggtgaac 30600

ccggggcacc cattcggcca aatccccccc gtataacatc cgcgctagcg atacgctcga 30660

cgtgtactgt tcgcactcgt cgtccccaat gggacgcccg gcccccagag gatccccga 30720

ctccgcgccc cccacgaaag gcatgaccgg ggcgcggacg gcgtggtggg tctggtgtgt 30780

gcaggtggcg acgtttgtgg tctctgcggt ctgcgtcacg gggctcctcg tcctggcctc 30840

tgtgttccgg gcacggtttc cctgctttta cgccacggcg agctcttatg ccggggttaa 30900

ctccacggcc gaggtgcgcg ggggtgtagc cgtgcccctc aggttggaca cgcagagcct 30960

tgtgggcact tatgtaatca cggccgtatt gttgttggcc gcggccgtgt atgccgtggt 31020

cggcgccgtg acctcccgct acgaccgcgc cctggacgcg ggccgccgtc tggctgcggc 31080

ccgcatggcc atgccgcacg ccacgctgat cgccggaaac gtctgctctt ggttgctgca 31140

gatcaccgtc ctgctgctgg cccatcgcat cagccagctg gcccacctgg tttacgtcct 31200

gcactttgcg tgtctggtgt attttgcggc ccatttttgc accaggggggg tcctgagcgg 31260

gacgtatctg cgtcaggtgc acggcctgat ggagctggcc ccgacccatc atcgcgtcgt 31320

cggcccggct cgcgccgtgc tgacaaacgc cttgctgttg ggcgtcttcc tgtgcacggc 31380

cgacgccgcg gtatccctga ataccatcgc cgcgttcaac tttaattttt cggccccggg 31440

catgctcatc tgcctgaccg tgctgttcgc cattctcgtc gtatcgctgt tgttggtggt 31500

cgaggggggtg ttgtgtcact acgtgcgcgt gttggtgggc ccccacctgg gggccgttgc 31560

cgccacgggc atcgtcggcc tggcctgcga gcactattac accaacggct actacgtggt 31620

ggagacgcag tggccggggg cacagacggg agtgcgcgtc gccctcgccc tggtcgccgc 31680

ctttgccctc ggcatggccg tgctccgctg cacccgcgcc tatctgtatc acaggcggca 31740

ccacaccaaa ttttttatgc gcatgcgcga cacgcgacac cgcgcacatt ccgccctcaa 31800

gcgcgtacgc agttccatgc gcggatcgcg agacggccgc cacaggcccg cgcccggcag 31860

cccgcccggg attcccgaat atgcggaaga cccctacgcg atctcatacg gcggccagct 31920

cgaccggtac ggagattccg acggggagcc gatttacgac gaggtggcgg acgaccaaac 31980

cgacgtattg tacgccaaga tacaacaccc gcggcacctg cccgacgacg agcccatcta 32040

tgacaccgtt ggggggtacg accccgagcc cgccgaggac cccgtgtaca gcaccgtccg 32100

ccgttggtag ctgtttggtt ccgttttaat aaaccgtttg tgtttaaccc gaccgtggtg 32160

tatgtctggt gtgtggcgtc cgatcccgtt actatcaccg tccccccccc tcaaccccgg 32220

cgattgtggg ttttttaaaa acgacacgcg tgcgaccgta tacagaacat tattttggtt 32280

tttattcgct atcggacatg gggggtggaa actgggtggc ggggcaggcg cctccggggg 32340

tccgccggtg agtgtggcgc gagggggggt ccgacgaacg caggcgcggt ctccccgggg 32400

cccgcgtaac cacgcgcata tccgggggca cgtagaaatt accttcctct tcggactcga 32460

tatccacgac gtcaaagtcg tgggcggtca gcgagacgac ctccccgtcg tcggtgatga 32520

ggacgttgtt tcggcagcag cagggccggg ccccggagaa cgagaggccc atagctcggc 32580

gagcgtgtcg tcgaacgcca ggcggctgct tcgctggatg gccttataga tctccggatc 32640

gatgcggacg ggggtaatga tcagggcgat cggaacggcc tggttcggga gaatggacgc 32700

cttgctgggt cctgcggccc cgagagcccc ggcgccgtcc tccaggcgga acgttacgcc 32760

ctcctccgcg ctggtgcggt gcctgccgat aaacgtcacc agatgcgggt gggggggca 32820

gtcggggaag tggctgtcga gcacgtagcc ctgcaccaag atctgcttaa agttcgggtg 32880

gcgggggttc gcgaagacgg gctcgcggcg gaccagatcc ccggagctcc aggacacggg 32940

ggagatggtg tggcgtccga ggtcgggggc gccaaacaga agcacctccg agacaacgcc 33000

gctatttaac tccaccaagg cccgatccgc ggcggagcac cgcctttttt cgcccgaggc 33060

gtgggcctct gaccaggcct ggtcttgcgt gacgagagcc tcctccgggc cggggacgcg 33120

cccgggcgcg aagtatcgca cgctgggctt cgggatcgac cggataaatg cccggaacgc 33180

ctccggggac cggtgtgcca tcaagtcctc gtacgcggag gccgtggggt cgctggggtc 33240

catggggtcg aaagcgtact tggcccggca tttgacctcg taaaaggcca gggggggtctt 33300

ggggactggg gccaggtagc cgtgaatgtc ccgaggacag acgagaatat ccagggacgc 33360

cccgaccatc cccgtgtgac cgtccatgag gaccccacac gtatgcacgt tctcttcggc 33420

gaggtcgctg ggttcgtgga agataaagcg ccgcgtgtcg gcgccggcct cgccgccgtc 33480

gtccgcgcgg cccacgcagt agcgaaacag caggcttcgg gccgtcggct cgttcacccg 33540

cccgaacatc accgccgaag actgtacatc cggtcgcagg ctggcgttgt gcttcagcca 33600

ctggggcgag aaacacggac cctgggggcc ccagcggagg gtggatgcgg tcgtgaggcc 33660

ccgccggagc agggcccata gctggcagtc ggcctggttt tgcgtggccg cctcgtaaaa 33720

ccccatgagg ggccggggcg ccacggcgtc cgcggcggcc gggggggcgc ggcgcgtcag 33780

gcgccatagg tgccggccga gtccgcggtc caccataccc gcctcctcga ggaccacggc 33840

cagggaacac agataatcca ggcgggccca gaggggaccg atggccagag gggcgcggac 33900

gccgcgcagc aacccgcgca ggtggcgctc gaacgtctcg gctagtatat gggagggcag 33960

cgcgttgggg atcaccgacg ccgaccacat agagtcaagg tccggggagt cgggatcggc 34020

gtccgggtcg cgggcgtggg tgcccccagg agatagcgga atgtccgggg tcggaggccc 34080

ggaggcgtca gaaagtgccg gcgacgcggc ccggggcttt tcgtctgcgg tgtcggtggc 34140

gtgctgatca cgtggggggt tatcgggcga atgggagctc gggtccacag ctgacgtcgt 34200

ctggggtggg gggggcaggg gacggaaggt ggttgtcagc ggaagactgt tagggcgggg 34260

gcgcttgggg gggctgtcgg ggccacgagg ggtgtcctcg gccagggccc agggacgctt 34320

agtcacggtg cgtcccggcg gacatgctgg gcctaccgtg gactccattt ccgagacgac 34380

gtgggggggag cggtggttga gcgcgccgcc gggtgaacgc tgattctcac gacagcgcgt 34440

gccgcgcgca cgggttggtg tgacacaggc gggacaccag caccaggaga ggcttaagct 34500

cgggaggcag cgccaccgac gacagtatcg ccttgtgtgt gtgctggtaa tttatacacc 34560

gatccgtaaa cgcgcgccga atcttgggat tgcggaggtg gcgccggatg ccctctggga 34620

cgtcatacgc caggccgtgg gtgttggtct cggccgagtt gacaaacagg gctgggtgca 34680

gcacgcagcg ataggcgagc agggccaggg cgaagtccgg cgacagctgg ttgttgaaat 34740

actggtaacc gggaaaccgg gtcacgggta cgcccaggct cggggcgacg tacacgctaa 34800

ccaccaactc cagcagcgtc tggcccaggg cgtacaggtc aaccgctagc ccgacgtcgt 34860

gcttcaggcg gtggttggta aattcggccc gttcgttgtt aaggtatttc accaacagct 34920

ccgggggctg gttatacccg tgacccacca gggtgtgaaa gttggctgtg gttagggcgg 34980

tgggcatgcc aaacatccgg ggggacttga ggtccggctc ctggaggcaa aactgccccc 35040

gggcgatcgt ggagttggag ttgagggtga cgaggctaaa gtcggcgagg acggcccgcc 35100

ggagcgagac ggcgtccgac cgcagcatga cgaggatgtt ggcgcacttg atatccaggt 35160

ggctgatccc gcaggtggtg tttaaaaaca caacggcacg ggccagctcc gtgaagcact 35220

ggtggagggc cgtcgagacc gaggggtttg ttgtgcgcag ggacgccagt tggccgatat 35280

acttaccgag gtccatgtcg tacgcgggga acactatctg tcgttgttgc agcgagaacc 35340

cgaggggcgc gatgaagccg cggatgttgt gggtgcggcc ggcgcgtaga gcgcactccc 35400

cgaccaacag ggtcgcgatg agctcaacgg caaaccactc cttttccttt atggtcttaa 35460

cggcaagctt atgttcgcga atcagttgga cttcgccgta tcccccagac cccccgaagc 35520

ttcgggcccc ggggatctcg agggtcgtgt agtgtagggc ggggttgatg gcgaacacgg 35580

ggctgcatag cttgcggatg cgcgtgaggg tgaggatgtg cgaggggggac gaggggggtg 35640

cggttaacgc cgcctgggat ctgcgcaggg gcgggcggtt cagtttggcc gccgtaccgg 35700

gcgcctcggg ggacgcgcgg cgatgagacg agcggctcat tcgccatcgg gatagtcccg 35760

cgcgaagccg ctcgcggagg ccggatcggt ggcggcaccc gtgggaggag cgggagacgg 35820

cggcgttctg gagagagggg ccgctggggc gcccggaggc cccatggggg ttggagtgta 35880

tgtaggatgc gagccaatcc ttgaaggacc gttggcgtgc accttggggg ctgaggttag 35940

ctgccacatg accagcaggt cgctgtctgc gggactcatc catccttcgg ccaggtcgcc 36000

gtctccccac agagaagcgt tggtcgctgc ctcctcgagt tgctcctcct ggtccgcaag 36060

acgatcgtcc acggcgtcca ggcgctcacc aagcgccgga tcgaggtacc gtcggtgtgc 36120

ggttagaaag tcacgacgcg ccgcttgctc ctccacgcga attttaacac aggtcgcgcg 36180

ctgtcgcatc atctctaagc gcgcgcggga ctttagccgc gcctccaatt ccaagtgggc 36240

cgcctttgca gccataaagg cgccaacaaa ccgaggatct tgggtgctga cgccctcccg 36300

gtgcagctgc agggtctggt ccttgtaaat ctcggctcgg aggtgcgtct cggccaggcg 36360

tcggcgcagg gccgcgtggg cggcatctcg gtccattccg ccaccctgcg ggcgacccgg 36420

gggtgctctg atagtctcgc gtgcccaagg cccgtgatcg gggtacttcg ccgccgcgac 36480

ccgccacccg gtgtgcgcga tgtttggtca gcagctggcg tccgacgtcc agcagtacct 36540

ggagcgcctc gagaaacaga ggcaacttaa ggtgggcgcg gacgaggcgt cggcgggcct 36600

cacaatgggc ggcgatgccc tacgagtgcc ctttttagat ttcgcgaccg cgacccccaa 36660

gcgccaccag accgtggtcc cgggcgtcgg gacgctccac gactgctgcg agcactcgcc 36720

gctcttctcg gccgtggcgc ggcggctgct gtttaatagc ctggtgccgg cgcaactaaa 36780

ggggcgtgat ttcgggggcg accacacggc caagctggaa ttcctggccc ccgagttggt 36840

acgggcggtg gcgcgactgc ggtttaagga gtgcgcgccg gcggacgtgg tgcctcagcg 36900

taacgcctac tatagcgttc tgaacacgtt tcaggccctc caccgctccg aagcctttcg 36960

ccagctggtg cactttgtgc gggactttgc ccagctgctt aaaacctcct tccgggcctc 37020

cagcctcacg gagaccacgg gccccccaa aaaacgggcc aaggtggacg tggccaccca 37080

cggccggacg tacggcacgc tggagctgtt ccaaaaaatg atccttatgc acgccaccta 37140

ctttctggcc gccgtgctcc tcggggacca cgcggagcag gtcaacacgt tcctgcgtct 37200

cgtgtttgag atccccctgt ttagcgacgc ggccgtgcgc cacttccgcc agcgcgccac 37260

cgtgtttctc gtcccccggc gccacggcaa gacctggttt ctggtgcccc tcatcgcgct 37320

gtcgctggcc tcctttcggg ggatcaagat cggctacacg gcgcacatcc gcaaggcgac 37380

cgagccggtg tttgaggaga tcgacgcctg cctgcggggc tggttcggtt cggcccgagt 37440

ggaccacgtt aaaggggaaa ccatctcctt ctcgtttccg gacgggtcgc gcagtaccat 37500

cgtgtttgcc tccagccaca acacaaacgt aagtcctctt ttctttcgca tggctctccc 37560

aaggggcccc gggtcgaccc gacccacacc cacccaccca catacacaca caaccagacg 37620

cgggaggaaa gtctgccccg tgggcactga tttttattcg ggatcgcttg aggaggcccg 37680

ggcaacggcc cgggcaacgg tggggcaact cgtagcaaat aggcgactga tgtacgaaga 37740

gaagacacac aggcgccacc cggcgctggt cgggggggatg ttgtccgcgc cgcaccgtcc 37800

cccgacgacc tcttgcagac ggtccgtgat gcaaggacgg cgggggggcct gcagcagggt 37860

gaccgtatcc acgggatggc caaagagaag cggacacagg ctagcatccc cctggaccgc 37920

cagggtacac tgggccatct tggcccacag acacggggcg acgcagggac aggactccgt 37980

tacgacggag gagagccaca gtgcgttggc ggaatcgatg tggggcggcg gggcgcagga 38040

ctcgcagccc cccgggtggt tagtgatcct ggccaggagc catcccagat ggcgggccct 38100

gcttcccggt ggacagagcg accccaggtc gctgtccatg gcccagcagt agatctggcc 38160

gctggggagg tgccaccagg cccccgggcc caaggcgcag cacgcgcccg gctccggggg 38220

ggtcttcgcg gggaccagat acgcgccatc cagctcgccg accactggct cctccgcgag 38280

ctgttcggtg gttgggtcgg gggtttcctc cgggggggtg gccgcccgta tgcgggcgaa 38340

cgtgagggtg cacaggagcg gggtcagggg gtgcgtcacg ctccggaggt ggacgatcgc 38400

gcagtagcgg cgctcgcggt taaagaaaaa gagggcaaag aaggtgttcg ggggcaaccg 38460

cagcgccttg gggcgcgtca gatacagaaa aatctcgcag aagagggcgc gcccggggtc 38520

tgggttagga agggccacct gacacagagg ctcggtgagg accgttagac accgaaagat 38580

cttgagccgc tcgtccgccc gaacgacgcg ccacacaaag acggagttga caatgcgcgc 38640

gatagagtcg acgtccgtcc ccaggtcgtc gactctgtcg cgcgtgccgc gagctccggc 38700

ccgggaatcc ggccggggca aggtccccgg gggaccaggc ggcgccaggg gccgccgggg 38760

tcccagctgc gccatgccgg gggcgggggg agggcaaacc ccagaggcgg gggccaacgg 38820

cgcggggagg agtggatggg cgaggtggcc gggggaaggc gcccgctagc gagaacggcc 38880

gttcccggac gacaccttgc gacaaaacct aaggacagcg gcccgcgcga cggggtccga 38940

gaggctaagg taggccgcga tgttaatggt gaacgcaaag ccgccgggaa agacaactat 39000

gccacagagg cggcgattaa accccaggca gaggtaggcg tagctttccc cgggcaggta 39060

ttgctcgcag accctgcgtg gggctgtgga ggggacggcc tccatgaagc gacatttact 39120

ctgctcgcgt ttactgacgt caccatccat cgccacggcg attggacgat tgttaagccg 39180

cagcgtgtct ccgcttgtgc tgtagtagtc aaaaacgtaa tggccgtcgg agtcggcaaa 39240

gcgggccggg aggtcgtcgc cgagcgggac gacccgccgc ccccgaccgc cccgtccccc 39300

caggtgtgcc aggacggcca gggcatacgc ggtgtgaaaa aaggcgtcgg gggcggtccc 39360

ctcgacggcg cgcatcaggt tctcgaggag aatggggaag cgcctggtca cctcccccag 39420

ccacgcgcgt tggtcggggc caaagtcata gcgcaggcgc tgtgagattc gcgggccgcc 39480

ctgaagcgcg gcccggatgg cctggcccag ggcccggagg cacgccagat gtatgcgcgc 39540

ggtaaaggcg acctcggcgg cgatgtcaaa gggcggcagg acggggcgcg ggtggcgcag 39600

gggcacctcg agcgcgggaa agcggagcag cagctccgcc tgcccagcgg gagacagctg 39660

gtgggggcgc acgacgcgtt ctgcggcgca ggcctcggtc agggccgtgg ccagcgccga 39720

ggacagcagc ggagggcggg cgcgtcgccc gccccacgcc actgagttct cgtaggagac 39780

gacgacgaag cgctgcttgg ttccgtagtg gtggcgcagg accacggaga tagaacgacg 39840

gctccacagc cagtccggcc ggtcgccgcc ggccagggct tcccatccgc gatccaacca 39900

ctcgaccagc gaccgcggct ttgtggtacc aggggtaagg gttagaacgt cgttcaggat 39960

gtcctcgccc ccgggcccgt ggggcgctgg ggccacaaag cggcccccgc cgggggctc 40020

cagacccgcc agcaccgcat ctgcgtcagc cgcccccatg gcgcccccgc tgacggcctg 40080

gtgaaccagg gcgccctggc ggagccccga tgcaacgcca caggccgcac gcccggtccg 40140

agcgcggacc gggtggcggc gggtgacgtc ctgcactgcc cgctgaacca acgcgaggat 40200

ctcctcgttc tcctgtgcga tggacacgtc ctgggccgcg gtcgtgtcgc cgccgggggc 40260

cgtcagctgc tcctccgggg agatgggggg gtcggacgcc ccgacgatgg gcgggtctgc 40320

gggcgccccc gcgtggggcc gggccaaggg ctgcggacgc ggggacgcgc tttcccccag 40380

acccatggac aggtgggccg cggcctcctt cgcggccggc ggggcggcgg cgccaagcag 40440

agcgacgtag cggcacaaat gccgacagac gcgcatgatg cgcgtgctgt cggccgcgta 40500

gcgcgtgttg gggggggacga gctcgtcgta actaaacaga atcacgcggg cacagctcgc 40560

ccccgagccc cacgcgaggc gcagcgccgc cacggcgtac gggtcataga cgccctgcgc 40620

gtcacacacc acgggcaggg agacgaacaa ccccccggcg ctggacgcac gcggaaggag 40680

gccagggtgt gccggcacga cgggggccag aagctccccc accgcatccg cgggcacgta 40740

ggcggcaaac gccgtgcacc acggggtaca gtcgccggtg gcatgagccc gagtctggat 40800

ttcgacctgg aagtttgcgg ccgtcccgag tccggggcgg ccgcgcatca gggcggccag 40860

agggattccc gcggccgcca ggcactcgct ggatatgatg acgtgaacca aagacgaggg 40920

ccgacccggg ccgtggccga gatcgtactg gacctcgttg gccaagtgcg cgttcatggt 40980

tcggggtggg tgtgggtgtg taggcgatgc gggtcccccg agtccgcggg aagggcgtgg 41040

gtttggcgcg cgtatgcgta ttcgccaacg gaggcgtgcg tgcttatgcg cggcgcgttt 41100

cttctgtctc cagggaatcc gaggccagga ctttaacctg ctctttgtcg acgaggccaa 41160

ctttattcgc ccggatgcgg tccagacgat tatgggcttt ctcaaccagg ccaactgcaa 41220

gattatcttc gtgtcgtcca ccaacaccgg gaaggccagt acgagctttt tgtacaacct 41280

ccgcggggcc gccgacgagc ttctcaacgt ggtgacctat atatgcgatg atcacatgcc 41340

gagggtggtg acgcacacaa acgccacggc ctgttcttgt tatatcctca acaagcccgt 41400

tttcatcacg atggacgggg cggttcgccg gaccgccgat ttgtttctgg ccgattcctt 41460

catgcaggag atcatcgggg gccaggccag ggagaccggc gacgaccggc ccgttctgac 41520

caagtctgcg ggggagcggt ttctgttgta ccgcccctcg accaccacca acagcggcct 41580

catggccccc gatttgtacg tgtacgtgga tcccgcgttc acggccaaca cccgagcctc 41640

cgggaccggc gtcgctgtcg tcgggcggta ccgcgacgat tatatcatct ttgccctgga 41700

gcacttttt ctccgcgcgc tcacgggctc ggcccccgcc gacatcgccc gctgcgtcgt 41760

ccacagtctg acgcaggtcc tggccttgca tcccggggcg tttcgcggcg tccgggtggc 41820

ggtcgaggga aatagcagcc aggactcggc cgtcgccatc gccacgcacg tgcacacaga 41880

gatgcaccgc ctactggcct cggaggggcc cgacgcgggc tcgggccccg agcttctctt 41940

ctaccactgc gagcctcccg ggagcgcggt gctgtacccc tttttcctgc tcaacaaaca 42000

gaagacgccc gcctttgaac actttattaa aaagtttaac tccgggggcg tcatggcctc 42060

ccaggagatc gtttccgcga cggtgcgcct gcagaccgac ccggtcgagt atctgctcga 42120

gcagctgaat aacctcaccg aaaccgtctc ccccaacact gacgtccgta cgtattccgg 42180

aaaacggaac ggcgcctcgg atgaccttat ggtcgccgtc attatggcca tctaccttgc 42240

ggcccaggcc ggacctccgc acacattcgc tcccatcaca cgcgtttcgt gagcgcccaa 42300

taaacacacc caggtatgct acgcacgacc acggtgtcgc ctgttaaggg gggggaaggg 42360

ggtgttggcg ggaagcgtgg gaacacgggg gattctctca cgaccggcac cagtaccacc 42420

cccctgtgaa cacagaaacc caacccaaat cccataaaca tacgacacac aggcatattt 42480

tggaatttct tgggttttta tttatttagg tatgctgggg tttctccctg gatgcccacc 42540

ccccaccccc ccccgtgggt ctagccgggc cttagggata gcgtataacg ggggccatgt 42600

ctccggaccg cacaacggcc gcgccgtcaa aggtgcacac ccgaaccacg ggagccaggg 42660

ccaaggtgtc tcctagttgg cccgcgtggg tcagccaggc gacgagcgcc tcgtaaagcg 42720

gcagccttcg ctctccatcc tgcaccaggg ccggggcttc ggggtgaatg agctgggcgg 42780

cctcccgcgt gacactctgc atctgcagga gagcgttcac gtacccgtcc tgggcactta 42840

gcgcaaagag ccgggggatt agcgtaagga tgatggtggt tccctccgtg atcgagtaaa 42900

ccatgttaag gaccagcgat cgcagctcgg cgtttacggg accgagttgt tggacgtccg 42960

ccagcagcga gaggcgactc ccgttgtagt acagcacgtt gaggtctggc agccctccgg 43020

ggtttctggg gctggggttc aggtcccgga tgcccctggc cacgagccgc gccacgattt 43080

cgcgcgccag gggcgatgga agcggaacgg gaaaccgcaa cgtgaggtcc agcgaatcca 43140

ggcgcacgtc cgtcgcttgg ccctcgaaca cgggcgggac gaggctgatg gggtccccgt 43200

tacagagatc tacgggggag gtgttgcgaa ggttaacggt gccggcgtgg gtgaggccca 43260

cgtccagggg acaggcgacg attcgcgtgg gaagcacccg ggtgatgacc gcggggaagc 43320

gccttcggta cgccagcaac aaccccaacg tgtcgggact gacgcctccg gagacgaagg 43380

attcgtgcgc cacgtcggcc agcgtcagtt gccggcggat ggtcggcagg aataccaccc 43440

gcccttcgca gcgctgcagc gccgccgcat cggggcgcga gatgcccgag ggtatcgcga 43500

tgtcagtttc aaagccgtcc gccagcatgg cgccgatcca cgcggcaggg agtgcagtgg 43560

tggttcgggt ggcgggagga gcgcggtggg ggtcagcggc gtagcagaga cgggcgacca 43620

acctcgcata ggacgggggg tgggtcttag ggggttggga ggcgacaggg accccagagc 43680

atgcgcgggg aggtctgtcg ggcccagacg caccgagagc gaatccgtcc acggagtccc 43740

ggtctgggtt ttatggggcc cggccctcgg aatcgcggct tgtcggcggg gacaaagggg 43800

gcggggctag ggggcttgcg gaaacagaag acgcgtggga taaaagaatc gcactacccc 43860

aaggaagggc ggggcggttt attacagagc cagtcccttg agcggggatg cgtcatagac 43920

gagatactgc gcgaagtggg tctcccgcgc gtgggcttcc ccgttgcggg cgctgcggag 43980

gagggcgggg tcgctggcgc aggtgagcgg gtaggcctcc tgaaacaggc cacacgggtc 44040

ctccacgagt tcgcggcacc ccgggggggcg cttaaactgt acgtcgctgg cggcggtggc 44100

cgtggacacc gccgaacccg tctccacgat caggcgctcc aggcagcgat gtttggcggc 44160

gatgtcggcc gacgtaaaga acttaaagca ggggctgagc accggcgagg ccccgttgag 44220

gtggtaggcc ccgttataga gcaggtcccc gtacgaaaat cgctgcgacg cccacgggtt 44280

ggccgtggcc gcaaaggccc gggacgggtc gctctggccg tggtcgtaca tgagggcggt 44340

gacatccccc tccttgtccc ccgcgtaaac gcccccggcg gcgcgtcccc gggggttgca 44400

gggccggcgg aagtagttga cgtcggtcga cacgggggtg gcgataaact cacacacggc 44460

gtcctggccg tggtccatcc ctgcgcgccg cggcacctgg gcgcacccga acacggggac 44520

gggctgggcc ggccccaggc ggtttcccgc cacgaccgcg ttccgcaggt acacggctgc 44580

cgcgttgtcc aggagagggg gagccccgcg gcccaggtaa aagttttggg gaaggttgcc 44640

catgtcggtg acggggttgc ggacggttgc cgtggccacg acggcggtgt agcccacgcc 44700

caggtccacg ttcccgcgcg gctgggtgag cgtgaagttt acccccccgc cagtttcgtg 44760

ccgggccacc tggagctggc ccaggaagta cgcctccgac gcgcgctccg agaacagcat 44820

gttctcagtc acaaagcggt cctgtcggac gacggtgaac ccaaacccgg gatggaggcc 44880

cgtcttgagc tgatgatgca aggccacggg actgatcttg aagtaccccg ccatgagcgc 44940

gtaggtcagc gcgttctccc cggccgcgct ctcgcggacg tgctgcacga cgggctgtcg 45000

gatcgacgaa aagtagttgg cccccagagc cgggggggacc agggggacct gccgcgacag 45060

gtcgcgcagg gccgggggga aattgggcgc gttcgccacg tggtcggccc cggcgaacag 45120

cgcgttgacg ggaagggggt aaaaatagtc gccattttgg atggtatggt ccagatgctg 45180

gggggccatc agcaggattc cggcgtgcaa cgccccgtcg aatatgcgca tgttggtggt 45240

ggacgcggtg ttggcgcccg cgtcgggcgc cgccgagcag agcagcgccg ttgtgcgttc 45300

ggccatgttg tgggccagca cctgcagcgt gagcatggcg ggcccgtcca ctaccacgcg 45360

cccgttgtga aacatggcgt tgaccgtgtt ggccaccaga ttggccgggt gcaggggggtg 45420

cgcggggtcc gtcacggggt cgctggggca ctcctcgccg ggggcgatct ccgggaccac 45480

catgttctgc agggtggcgt atacgcggtc gaagcgaacc cccgcggtgc agcagcggcc 45540

ccgcgagaag gcgggcacca tcacgtagta gtaaatcttg tggtgcacgg tccagtccgc 45600

cccccggtgc ggccggtcat ccgcggcgtc cgcggctcgg gcctgggtgt tgtgcagcag 45660

ctggccgtcg ttgcggttga agtccgcggt cgccacgtta catgccgccg cgtacacggg 45720

gtcgtggccc cccgcgctaa cccggcagtc gcgatggcgg tccagggccg cgcgccgcat 45780

cagggcgtca cagtcccaca cgaggggtgg cagcagcgcc gggtctcgca ttaggtgatt 45840

cagctcggct tgcgcctgcc cgcccagctc cgggccggtc agggtaaagt catcaaccag 45900

ctgggccagg gcctcgacgt gcgccaccag gtcccggtac acggccatgc actcctcggg 45960

aaggtctccc ccgaggtagg tcacgacgta cgagaccagc gagtagtcgt tcacgaacgc 46020

cgcgcaccgc gtgttgttcc agtagctggt gatgcactgg acaacgagcc gggccagggc 46080

gcagaagacg tgctcgctgc cgtgtatggc ggcctgcagc aggtaaaaca ccgccgggta 46140

gttgcggtcg tcgaacgccc cgcgaacggc ggcgatggtg gcgggggcca tggcgtggcg 46200

tcccaccccc agctccaggc cccgggcgtc ccggaacgcc gccggacata gcgccagggg 46260

caagttgccg ttcaccacgc gccaggtggc ctggatctcc cccgggccgg ccgggggaac 46320

gtccccccc ggcagctcca cgtcggccac ccccacgaag aagtcgaacg cggggtgcag 46380

ctcaagagcc aggttggcgt tgtcgggctg cataaactgc tccggggtca tctggccttc 46440

cgcgacccat cggacccgcc cgtgggccag gcgctgcccc caggcgttca aaaacagctg 46500

ctgcatgtct gcggcggggc cggccggggc cgccacgtac gccccgtacg gattggcggc 46560

ttcgacgggg tcgcggttaa ggcccccgac cgccgcgtca acgttcatca gcgaagggtg 46620

gcacacggtc ccgatcgcgt gttccagaga caggcgcagc acctggcggt ccttccccca 46680

aaaaaacagc tggcggggcg ggaaggcgcg gggatccggg tggccggggg cggggactag 46740

gtccccggcg tgcgcggcaa accgttccat gaccggattg aacaggccca ggggcaggac 46800

gaacgtcagg tccatggcgc ccaccagggg gtagggaacg ttggtggcgg cgtagatgcg 46860

cttctccagg gcctccagaa agaccagctt ctcgccgatg gacaccagat ccgcgcgcac 46920

gcgcgtcgtc tgggggggcgc tctcgagctc gtccagcgtc tgccggttca ggtcgagctg 46980

ctcctcctgc atctccagca ggtggcggcc cacgtcgtcc agacttcgca cggccttgcc 47040

catcacgagc gccgtgacca ggttggcccc gttcaggacc atctcgccgt acgtcaccgg 47100

cacgtcggct tcggtgtcct ccactttcag gaaggactgc aggaggcgct gtttgatcgg 47160

ggctgtggtg actagcaccc cgtcgaccgg ccgcccgcgc gtgtcggcat gcgtcagacg 47220

gggcacggcc acggagggct gcgtggccgt ggtgaggtcc acgagccagg cctcgacggc 47280

ctcccggcgg tggcccgcct tgcccaggaa aaagctcgtc tcgcagaagc ttcgctttag 47340

ctcggcgacc agggtcgccc gggccaccct ggtggccagg cggccgttgt ccaggtatcg 47400

ttgcatcggc aacaacaaag ccaggggcgg cgccttttcc agcagcacgt gcagcatctg 47460

gtcggccgtg ccgcgctcaa acgccccgag gacggcctgg acgttgcgag cgagctgttg 47520

gatggcgcgc aactggcgat gcgcgctgat acccgtcccg tccagggcct cccccgtgag 47580

cagggcgatg gcctcggtgg ccaggctgaa ggcggcgttc agggcccggc ggtcgataat 47640

cttggtcatg taattgtgtg tgggttgctc gatggggtgc gggccgtcgc gggcaatcag 47700

cggctggtgg acctcgaact gtacgcgccc ctcgttcatg taggccagct ccggaaactt 47760

ggtacacacg cacgccaccg acaacccgag ctccagaaag cgcacgagcg acagggtgtt 47820

gcaatacgac cccagcaggg cgtcgaactc gacgtcgtac aggctgtttg catcggagcg 47880

cacgcgggaa aaaaaatcga acaggcgtcg atgcgacgcc acctcgatcg tgctaaggag 47940

ggacccggtc ggcaccatgg ccgcggcata ccggtatccc ggagggtcgc ggttgggagc 48000

ggccatgggg tcgcgtggag atcggctgtc tctagcgata ttggcccggg gaggctaaga 48060

tccaccccaa cgcccggcca cccgtgtacg tgcccgacgg cccaaggtcc accgaaagac 48120

acgacggacc cggacccaaa gaggcggggg atgctgtgtg agaggccggg tgtcggtcgg 48180

gggggaaagg caccgggaga aggctgcggc ctcgttccag gagaacccag tgtccccaac 48240

agacccgggg acgtgggatc cccggcctta tatacccccc cccgccccac ccccgttaga 48300

acgcgacggg tgcattcaag atggccctgg tccaaaagcg tgccaggaag aaattggcag 48360

aggcggcaaa gctgtccgcc gccgccaccc acatcgaggc cccggccgca caggctatcc 48420

ccagggcccg tgtgcgcagg ggatcggtgg gtggcagcat ttggttggtg gcgataaagt 48480

ggaaaagccc gtccggactg aaggtctcgt gggcggcggc gaacaaggca cacagggccg 48540

tgcctcccaa aaacacggac atcccccaaa acacgggcgc cgacaacggc agacgatccc 48600

tcttgatgtt aacgtacagg aggagcgccc gcaccgccca cgtaacgtag tagccgacga 48660

tggcggccag gatacaggcc ggcgccacca cccttccggt cagcccgtaa tacatgcccg 48720

ctgccaccat ctccaacggc ttcaggacca aaaacgacca aaggaacaga atcacgcgct 48780

ttgaaaagac cggctgggta tggggcggaa gacgcgagta tgccgaactg acaaaaaaat 48840

cagaggtgcc gtacgaggac aatgaaaact gttcctccag cggcagttct ccctcctccc 48900

ccccgaaggc ggcctcgtcg accagatctc gatccaccag aggaaggtca tcccgcatgg 48960

tcatggggtg tgcggtggag gtggggagac cgaaaccgca aagggtcgct tacgtcagca 49020

ggatcccgag atcaaagaca cccgggttct tgcacaaaca ccacccgggt tgcatccgcg 49080

gaggcgagtg ttttgataag gccgttccgc gccttgatat aacctttgat gttgaccaca 49140

aaacccggaa tttacgccta cgccccaatg cccacgcaag atgaggtagg taacccccc 49200

gtgggtgtga cgttgcgttt agttcattgg aggccaaggg gaaaaatggg gtggggagga 49260

aacggaaaac ccagtaggcc gtgtcgggaa cacgcccggg gttgtcctca aaaggcaggg 49320

tccatactac ggaagccgtc gttgtattcg agacctgcct gtgcgacgca cgtcggggtt 49380

gcctgtgtcc ggttcggccc ccaccgcgtg cggcacgcac gaggacgagt ccgcgtgctt 49440

tattggcgtt ccaagcgttg ccctccagtt tctgttgtcg gtgttccccc atacccacgc 49500

ccacatccac cgtagggggc ctctgggccg tgttacgtcg ccgcccgcga tggagcttag 49560

ctacgccacc accatgcact accgggacgt tgtgttttac gtcacaacgg accgaaaccg 49620

ggcctacttt gtgtgcgggg ggtgtgttta ttccgtgggg cggccgtgtg cctcgcagcc 49680

cggggagatt gccaagtttg gtctggtcgt tcgagggaca ggcccagacg accgcgtggt 49740

cgccaactat gtacgaagcg aactccgaca acgcggcctg caggacgtgc gtcccattgg 49800

ggaggacgag gtgtttctgg acagcgtgtg tcttctaaac ccgaacgtga gctccgagct 49860

ggatgtgatt aacacgaacg acgtggaagt gctggacgaa tgtctggccg agtactgcac 49920

ctcgctgcga accagcccgg gtgtgctaat atccgggctg cgcgtgcggg cgcaagacag 49980

aatcatcgag ttgtttgaac acccaacgat agtcaacgtt tcctcgcact ttgtgtatac 50040

cccgtcccca tacgtgttcg ccctggccca ggcgcacctc ccccggctcc cgagctcgct 50100

ggaggccctg gtgagcggcc tgtttgacgg catccccgcc ccacgccagc cacttgacgc 50160

ccacaacccg cgcacggatg tggttatcac gggccgccgc gccccacgac ccatcgccgg 50220

gtcgggggcg gggtcggggg gcgcgggcgc caagcgggcc accgtcagcg agttcgtgca 50280

agtcaaacac attgaccgcg tgggccccgc tggcgtttcg ccggcgcctc cgccaaacaa 50340

caccgactcg agttccctgg tgcccggggc ccaggattcc gccccgcccg gccccacgct 50400

aagggagctg tggtgggtgt tttatgccgc agaccgggcg ctggaggagc cccgcgccga 50460

ctctggcctc acccgcgagg aggtacgtgc cgtacgtggg ttccgggagc aggcgtggaa 50520

actgtttggc tccgcggggg ccccgcgggc gtttatcggg gccgcgttgg gcctgagccc 50580

cctccaaaag ctggccgttt actactatat catccaccga gagaggcgcc tgtccccctt 50640

ccccgcgcta gtccggctcg taggccggta cacacagcgc cacggcctgt acgtccctcg 50700

gcccgacgac ccagtcttgg ccgatgccat caacgggctg gttcgcgacg cgctggcggc 50760

cggaaccaca gccgagcagc tcctcatgtt cgaccttctc cccccaaagg acgtgccggt 50820

gggaagcgac gtgcaggccg acagcaccgc tctgctgcgc tttatagaat cgcaacgtct 50880

cgccgtcccc ggggggggtga tctcccccga gcacgtcgcg taccttggtg cgttcctgag 50940

cgtgctgtac gctggccgcg ggcgcatgtc cgcagcaacg cacaccgcgc ggctgacagg 51000

ggtgacctcc ctggtgctag cggtgggtga cgtggaccgt ctttccgcgt ttgaccgcgg 51060

agcggcgggc gcggccagcc gcacgcgggc cgccgggtac ctggatgtgc ttcttaccgt 51120

tcgtctcgct cgctccaaac acggacagtc tgtgtaacag accccaataa acgtatgtcg 51180

ctaccacacc cttgtgtgtc aatggacgcc tctccggggg ggaagggaaa acaaagaggg 51240

gctgggggag cggcaccact ggggcctgaa caaacaaaca aaccacagac acggttacag 51300

tttattcggt cgggcggata aacggccgaa gccacgcccc ctttattcgc gtctccaaaa 51360

aaacgggaca cttgtccgga gaacctttag gatgccagcc agggcggcgg taatcataac 51420

cacgcccagc gcagaggcgg ccagaaaccc gggcgcaatt gcggccacgg gctgcgtgtc 51480

aaaggctagc aaatgaatga cggttccgtt tggaaatagc aacaaggccg tggacggcac 51540

gtcgctcgaa aacacgctcg gggcgccctc cgtcggcccg gcggcgattt gctgctgtgt 51600

gttgtccgta tccaccagca acacagacat gacctccccg gctggggtgt agcgcataaa 51660

cacggccccc acgagcccca ggtcgcgctg gttttgggtg cgcaccagcc gcttggactc 51720

gatatcccgg gtggagcctt cgcatgtcgc ggtgaggtag gttaggaaca gtgggcgtcg 51780

gacgtcgacg ccggtgagct tgtagccgat ccccggggc agaggggagt gggtgacgac 51840

gtagctggcg ttgtgggtga tgggtaccag gatccgtggc tcgacgttgg cagactgccc 51900

cccgcaccga tgtgaggcct cagggacgaa ggcgcggatc agggcgttgt agtgtgccca 51960

gcgcgtcagg gtcgaggcga ggccgtgggt ctgctgggcc aggacttcga ccggggtctc 52020

ggatcgggtg gcttgagcca gcgcgtccag gataaacacg ctctcgtcta gatcaaagcg 52080

cagggaggcc gcgcatggcg aaaagtggtc cggaagccaa aagagggttt tctggtggtc 52140

ggcccgggcc agcgcggtcc ggaggtcggc gttggtcgct gcggcgacgt cggacgtaca 52200

cagggccgat gctatcagaa ggctccggcg ggcgcgttcc cgctgcaccg ccgaggggac 52260

gcccgccaag aacggctgcc ggaggacagc cgaggcgtaa aatagcgccc ggtggacgac 52320

cggggtggtc agcacgcggc cccctagaaa ctcggcatac agggcgtcga tgagatgggc 52380

tgcgctgggc gccactgcgt cgtacgccga ggggctatcc agcacgaagg ccagctgata 52440

gcccagcgcg tgtaatgcca agctctgttc gcgctccaga atctcggcca ccaggtgctg 52500

gagccgagcc tctagctgca ggcgggccgt gggatccaag actgacacat taaaaaacac 52560

agaatccgcg gcacagcccg cggccccgcg ggcggccaac ccggcaagcg cgcgcgagtg 52620

ggccaaaaag cctagcaggt cggagaggca gaccgcgccg tttgcgtggg cggcgttcac 52680

gaaagcaaaa cccgacgtcg cgagcagccc cgttaggcgc cagaagagag gggggcgcgg 52740

gccctgctcg gcgcccgcgt cccccgagaa aaactccgcg tatgcccgcg acaggaactg 52800

ggcgtagttc gtgccctcct ccgggtagcc gcccacgcgg cggagggcgt ccagcgcgga 52860

gccgttgtcg gcccgcgtca gggaccctag gacaaagacc cgataccggg ggccgcccgg 52920

gggcccggga agagcccccg gggggttttc gtccgcgggg tccccgaccc gatctagcgt 52980

ctggcccgcg gggaccacca tcacttccac cggagggctg tcgtgcatgg atatcacgag 53040

ccccatgaat tcccgcccgt agcgcgcgcg caccagcgcg gcatcgcacc cgagcaccag 53100

ctcccccgtc gtccagatgc ccacgggcca cgtcgaggcc gacggggaga aatacacgta 53160

cctacctggg gatctcaaca ggccccgggt ggccaaccag gtcgtggacg cgttgtgcag 53220

gtgcgtgatg tccagctccg tcgtcgggtg ccgccgggcc ccaaccggcg gtcgggggggg 53280

cggtgtatca cgcggcccgc ttgggtggct cgccgtcgcc acgttgtctc cccgcgggaa 53340

cgtcagggcc tcggggtcag ggacggccga aaacgttacc caggcccggg aacgcagcaa 53400

cacggaggcg actggattgt acaagagacc cttaaggggg gcgaccgagg ggggaggctg 53460

ggcggtcggc tcgaccgtgg tgggggcggg caggctcgcg ttcgggggcc ggccgagcag 53520

gtaggtcttc gggatgtaaa gcagctggcc ggggtcccgc ggaaactcgg ccgtggtgac 53580

caatacaaaa caaaagcgct cctcgtacca gcgaagaagg ggcagagatg ccgtagtcag 53640

gtttagttcg tccggcggcg ccagaaatcc gcgcggtggt ttttgggggt cgggggtgtt 53700

tggcagccac agacgcccgg tgttcgtgtc gcgccagtac atgcggtcca tgcccaggcc 53760

atccaaaaac catgggtctg tctgctcagt ccagtcgtgg acctgacccc acgcaacgcc 53820

caaaataata acccccacga accataaacc attccccatg ggggaccccg tccctaaccc 53880

acggggcccg tggctatggc agggcttgcc gccccgacgt tggctgcgag ccctgggcct 53940

tcacccgaac ttgggggggtg gggtggggaa aaggaagaaa cgcgggcgta ttggccccaa 54000

tggggtctcg gtggggtatc gacagagtgc cagccctggg accgaacccc gcgtttatga 54060

acaaacgacc caacacccgt gcgttttatt ctgtcttttt attgccgtca tagcgcgggt 54120

tccttccggt attgtctcct tccgtgtttc agttagcctc ccccatctcc cgggcaaacg 54180

tgcgcgccag gtcgcagatc gtcggtatgg agccgggggt ggtgacgtgg gtctggacca 54240

tcccggaggt aagttgcagc agggcgtccc ggcagccggc gggcgattgg tcgtaatcca 54300

ggataaagac gtgcatggga cggaggcgtt tggccaagac gtccaaggcc caggcaaaca 54360

cgttgtacag gtcgccgttg ggggccagca actcgggggc ccgaaacagg gtaaataacg 54420

tgtccccgat atggggtcgt gggcccgcgt tgctctgggg ctcggcaccc tggggcggca 54480

cggccgtccc cgaaagctgt ccccaatcct cccgccacga cccgccgccc tgcagatacc 54540

gcaccgtatt ggcaagcagc ccgtaaacgc ggcgaatcgc ggccagcata gccaggtcaa 54600

gccgctcgcc ggggcgctgg cgtttggcca ggcggtcgat gtgtctgtcc tccggaaggg 54660

cccccaacac gatgtttgtg ccgggcaagg tcggcgggat gagggccacg aacgccagca 54720

cggcctgggg ggtcatgctg cccataaggt atcgcgcggc cgggtagcac aggagggcgg 54780

cgatgggatg gcggtcgaag atgagggtga gggccggggg cggggcatgt gagctcccag 54840

cctccccccc gatatgagga gccagaacgg cgtcggtcac ggcataaggc atgcccattg 54900

ttatctgggc gcttgtcatt accaccgccg cgtccccggc cgatatctca ccctggtcga 54960

ggcggtgttg tgtggtgtag atgttcgcga ttgtctcgga agcccccagc acctgccagt 55020

aagtcatcgg ctcgggtacg tagacgatat cgtcgcgcga acccagggcc accagcagtt 55080

gcgtggtggt ggttttcccc atcccgtgag gaccgtctat ataaacccgc agtagcgtgg 55140

gcattttctg ctccaggcgg acttccgtgg cttcttgctg ccggcgaggg cgcaacgccg 55200

tacgtcggtt gctatggccg cgagaacgcg cagcctggtc gaacgcagac gcgtgttgat 55260

ggcaggggta cgaagccata cgcgcttcta caaggcgctt gccgaagagg tgcgggagtt 55320

tcacgccacc aagatctgcg gcacgctgtt gacgctgtta agcgggtcgc tgcagggtcg 55380

ctcggtgttc gaggccacac gcgtcacctt aatatgcgaa gtggacctgg gaccgcgccg 55440

ccccgactgc atctgcgtgt tcgaattcgc caatgacaag acgctgggcg gggtttgtgt 55500

catcatagaa ctaaagacat gcaaatatat ttcttccggg gacaccgcca gcaaacgcga 55560

gcaacgggcc acggggatga agcagctgcg ccactccctg aagctcctgc agtccctcgc 55620

gcctccgggt gacaagatag tgtacctgtg ccccgtcctg gtgtttgtcg cccaacggac 55680

gctccgcgtc agccgcgtga cccggctcgt cccgcagaag gtctccggta atatcaccgc 55740

agtcgtgcgg atgctccaga gcctgtccac gtatacggtc cccatggagc ctaggaccca 55800

gcgagcccgt cgccgccgcg gcggcgccgc ccgggggtct gcgagcagac cgaaaaggtc 55860

acactctggg gcgcgcgacc cgcccgagtc agcggcccgc cagttaccac ccgccgacca 55920

aacccccgcc tccacggagg gcgggggggt gcttaagagg atcgcggcgc tcttctgcgt 55980

gcccgtggcc accaagacca aaccccgagc cgcctccgaa tgagagtgtt tcgttccttc 56040

cccctccccc cgcgtcagac aaaccctaac caccgcttaa gcggcccccg cgaggtccga 56100

agactcattt ggatccggcg ggagccaccc gacaacagcc cccgggtttt cccacgccag 56160

acgccggtcc gctgtgccat cgcgcccccc catcccaccc cccatcttgt ccccaaataa 56220

aacaaggtct ggtagttagg acaacgaccg cagttctcgt gtgttatttt cgctctccgc 56280

ctctcgcaga tggacccgta ctgcccattt gacgctctgg acgtctggga acacaggcgc 56340

ttcatagtcg ccgattcccg aaacttcatc acccccgagt tcccccggga cttttggatg 56400

tcgcccgtct ttaacctccc ccgggagacg gcggcggagc aggtggtcgt cctacaggcc 56460

cagcgcacag cggctgccgc tgccctggag aacgccgcca tgcaggcggc cgagctcccc 56520

gtcgatatcg agcgccggtt acgcccgatc gaacggaacg tgcacaagat cgcaggcgcc 56580

ctggaggcgc tggagacggc ggcggccgcc gccgaagagg cggatgccgc gcgcggggat 56640

gagccggcgg gtgggggcga cgggggggcg cccccgagtc tggccgtcgc ggagatggag 56700

gtccagatcg tgcgcaacga cccgccgcta cgatacgaca ccaacctccc cgtggatctg 56760

ctacacatgg tgtacgcggg ccgcggggcg accggatcgt cgggggtggt gttcgggacc 56820

tggtaccgca ctatccagga ccgcaccatc acggactttc ccctgaccac ccgcagtgcc 56880

gactttcggg acggccgtat gtccaagacc ttcatgacgg cgctggtact gtccctgcag 56940

tcgtgcggcc ggctgtatgt gggccagcgc cactattccg ccttcgagtg cgccgtgttg 57000

tgtctctacc tgctgtaccg aaacacgcac ggggccgccg acgatagcga ccgcgctccg 57060

gtcacgttcg gggatctgct gggccggctg ccccgctacc tggcgtgcct ggccgcggtg 57120

atcgggaccg agggcggccg gccacagtac cgctaccgcg acgacaagct ccccaagacg 57180

cagttcgcgg ccggcggggg ccgctacgaa cacggagcgc tggcgtcgca catcgtgatc 57240

gccacgctga tgcaccacgg ggtgctcccg gcggccccgg gggacgtccc ccgggacgcg 57300

agcacccacg ttaaccccga cggcgtggcg caccacgacg acataaaccg cgccgccgcc 57360

gcgttcctca gccggggcca caacctattc ctgtgggagg accagactct gctgcgggca 57420

accgcgaaca ccataacggc cctgggcgtt atccagcggc tcctcgcgaa cggcaacgtg 57480

tacgcggacc gcctcaacaa ccgcctgcag ctgggcatgc tgatccccgg agccgtccct 57540

tcggaggcca tcgcccgtgg ggcctccggg tccgactcgg gggccatcaa gagcggagac 57600

aacaatctgg aggcgctatg tgccaattac gtgcttccgc tgtaccgggc cgacccggcg 57660

gtcgagctga cccagctgtt tcccggcctg gccgccctgt gtcttgacgc ccaggcgggg 57720

cggccggtcg ggtcgacgcg gcgggtggtg gatatgtcat cgggggcccg ccaggcggcg 57780

ctggtgcgcc tcaccgccct ggaactcatc aaccgcaccc gcacaaaccc cacccccgtg 57840

ggggaggtta tccacgccca cgacgccctg gcgatccaat acgaacaggg gcttggcctg 57900

ctggcgcagc aggcacgcat tggcttgggc tccaacacca agcgtttctc cgcgttcaac 57960

gttagcagcg actacgacat gttgtacttt ttatgtctgg ggttcattcc acagtacctg 58020

tcggcggttt agtgggtggt gggcgagggg ggaggggggca ttagggagaa agaacaagag 58080

cctccgttgg gttttctttg tgcctgtact caaaaggtca taccccgtaa acggcgggct 58140

ccagtcccgg cccggcggtt ggcgtgaacg caacggcggg agctgggtta gcgtttagtt 58200

tagcattcgc tctcgccttt ccgcccgccc cccgaccgtt gcgccttttt ttttttcgt 58260

ccaccaaagt ctctgtgggt gcgcgcatgg cagccgatgc cccgggagac cggatggagg 58320

agcccctgcc agacagggcc gtgcccattt acgtggctgg gtttttggcc ctgtatgaca 58380

gcgggggactc gggcgagttg gcattggatc cggatacggt gcgtgcggcc ctgcctccgg 58440

ataacccact cccgattaac gtggaccacc gcgctggctg cgaggtgggg cgggtgctgg 58500

ccgtggtcga cgacccccgc gggccgtttt ttgtgggact gatcgcctgc gtgcaactgg 58560

agcgcgtcct cgagacggcc gccagcgctg cgattttcga gcgccgcggg ccgccgctct 58620

cccgggagga gcgcctgttg tacctgatca ccaactacct gccctcggtc tccctggcca 58680

caaaacgcct ggggggcgag gcgcaccccg atcgcacgct gttcgcgcac gtcgcgctgt 58740

gcgcgatcgg gcggcgcctc ggcactatcg tcacctacga caccggtctc gacgccgcca 58800

tcgcgccctt tcgccacctg tcgccggcgt ctcgcgaggg ggcgcggcga ctggccgccg 58860

aggccgagct cgcgctgtcc ggacgcacct gggcgcccgg cgtggaggcg ctgacccaca 58920

cgctgctttc caccgccgtt aacaacatga tgctgcggga ccgctggagc ctggtggccg 58980

agcggcggcg gcaggccggg atcgccggac acacctacct ccaggcgagc gaaaaattca 59040

aaatgtgggg ggcggagcct gtttccgcgc cggcgcgcgg gtataagaac ggggccccgg 59100

agtccacgga cataccgccc ggctcgatcg ctgccgcgcc gcagggtgac cggtgcccaa 59160

tcgtccgtca gcgcggggtc gcctcgcccc cggtactgcc ccccatgaac cccgttccgg 59220

catcgggcac cccggccccc gcgccgcccg gcgacgggag ctacctgtgg atcccggcct 59280

cccattacaa ccagctcgtc gccggccacg ccgcgcccca accccagccg cattccgcgt 59340

ttggtttccc ggctgcggcg ggggccgtgg cctatgggcc tcacggcgcg ggtctttccc 59400

agcattaccc tccccacgtc gcccatcagt atcccggggt gctgttctcg ggacccagcc 59460

cactcgaggc gcagatagcc gcgttggtgg gggccatagc cgcggaccgc caggcgggcg 59520

gtcagacggc cgcgggagac cctggggtcc gggggtcggg aaagcgtcgc cggtacgagg 59580

cggggccgtc ggagtcctac tgcgaccagg acgaaccgga cgcggactac ccgtactacc 59640

ccggggaggc tcgaggcggg ccgcgcgggg tcgactctcg gcgcgcggcc cgccagtctc 59700

ccgggaccaa cgagaccatc acggcgctga tgggggcggt gacgtctctg cagcaggaac 59760

tggcgcacat gcgggctcgg accagcgccc cctatggaat gtacacgccg gtggcgcact 59820

atcgccctca ggtgggggag ccggaaccaa caacgaccca cccggccctt tgtcccccgg 59880

aggccgtgta tcgcccccca ccacacagcg ccccctacgg tcctccccag ggtccggcgt 59940

cccatgcccc cactcccccg tatgccccag ctgcctgccc gccaggcccg ccaccgcccc 60000

catgtccttc cacccagacg cgcgcccctc taccgacgga gcccgcgttc ccccccgccg 60060

ccaccggatc ccaaccggag gcatccaacg cggaggccgg ggcccttgtc aacgccagca 60120

gcgcagcaca cgtggacgtt gacacggccc gcgccgccga tttgttcgtc tctcagatga 60180

tgggggcccg ctgattcgcc ccggtctttg gtaccatggg atgtcttact gtatatcttt 60240

ttaaataaac caggtaatac caaataagac ccattggtgt atgttctttt tttattggga 60300

ggcgcgggta ggcgggtagc tttacaatgc aaaagccttc gacgtggagg aaggcgtggg 60360

gggggaatcg gcactgacca agggggtccg ttttgtcacg ggaaaggaaa gaggaaacag 60420

gccgcggaca cccgggggag tttatgtgtt ccctttttctt tcttcccaca cacacaaaag 60480

gcgtaccaaa caaacaaacc aaaagatgca catgcggttt aacacccgtg gtttttattt 60540

acaacaaacc ccccgtcaca ggtcgtcctc gtcggcgtca ccgtctttgt tgggaacttg 60600

ggtgtagttg gtgttgcggc gcttgcgcat gaccatgtcg gtgaccttgg cgctgagcag 60660

cgcgctcgtg cccttcttct tggccttgtg ttccgtgcgc tccatggcag acaccagggc 60720

catgtaccgt atcatctccc gggcctcggc tagcttggcc tcgtcaaagt cgccgccctc 60780

ctcgccctcc ccggacgcgt ccgggttggt ggggttcttg agctccttgg tggttagcgg 60840

gtacagggcc ttcatggggt tgctctgcag ccgcatgacg tagcgaaagg cgaagaaagc 60900

cgccgccagg ccggccagga ccaacagacc cacggccagc gccccaaagg ggttggacat 60960

gaaggaggac acgcccgaca cggccgatac cacgccgccc acgatgccca tcaccacctt 61020

gccgaccgcg cgccccaggt cgcccatccc ctcgaagaac gcgcccaggc ccgcgaacat 61080

ggcggcgttg gcgtcggcgt ggatgaccgt gtcgatgtcg gcgaagcgca ggtcgtgcag 61140

ctggttgcgg cgctggacct ccgtgtagtc cagcaggccg ctgtccttga tctcgtggcg 61200

ggtgtacacc tccaggggga caaactcgtg atcctccagc atggtgatgt tgaggtcgat 61260

gaaggtgctg acggtggtga tgtcggcgcg gctcagctgg tgggagtacg cgtactcctc 61320

gaagtacacg tagcccccgc cgaaggtgaa gtagcgccgg tgtcccacgg tgcacggctc 61380

gatcgcatcg cgcgtcagcc gcagctcgtt gttctccccc agctgcccct cgaccaacgg 61440

gccctggtct tcgtaccgaa agctgaccag ggggcggctg tagcaggccc cgggccgcga 61500

gctgatgcgc atcgagtttt ggacgatcac gttgtccgcg gcgaccggca cgcacgtgga 61560

gacggccatc acgtcgccga gcatccgcgc gctcacccgc cggcccacgg tggccgaggc 61620

gatggcgttg gggttcagct tgcgggcctc gttccacagg gtcagctcgt gattctgcag 61680

ctcgcaccac gcgatggcaa cgcggcccaa catatcgttg acatggcgct gtatgtggtt 61740

gtacgtaaac tgcagccggg cgaactcgat ggaggaggtg gtcttgatgc gctccacgga 61800

cgcgttggcg ctggccccgg gcggcggggg cgtggggttt gggggcttgc ggctctgctc 61860

tcggaggtgt tcccgcacgt acagctccgc gagcgtgttg ctgagaaggg gctggtacgc 61920

gatcagaaag cccccattgg ccaggtagta ctgcggctgg cccaccttga tgtgcgtcgc 61980

gttgtacctg cgggcgaaga tgcggtccat ggcgtcgcgg gcgtccttgc cgatgcagtc 62040

ccccaggtcc acgcgcgaga gcgggtactc ggtcaggttg gtggtgaagg tggtggatat 62100

ggcgtcggag gagaatcgga aggagccgcc gtactcggag cgcagcatct cgtccacctc 62160

ctgccacttg gtcatggtgc agaccgacgg gcgctttggc acccagtccc aggccacggt 62220

gaacttgggg gtcgtgagca ggttccgggt ggtcggcgcc gtggcccggg ccttggtggt 62280

gaggtcgcgc gcgtagaagc cgtcaacctg cttgaagcgg tcggcggcgt agctggtgtg 62340

ttcggtgtgc gacccctccc ggtagccgta aaacggggac atgtacacaa agtcgccagt 62400

cgccagcaca aactcgtcgt acgggtacac cgagcgcgcg tccacctcct cgacgatgca 62460

gtttaccgtc gtcccgtacc ggtggaacgc ctccacccgc gaggggttgt acttgaggtc 62520

ggtggtgtgc cagccccggc tcgtgcgggt cgcggcgttg gccggtttca gctccatgtc 62580

ggtctcgtgg tcgtcccggt gaaacgcggt ggtctccagg ttgttgcgca cgtacttggc 62640

cgtggaccga cagacccccc tggcgttgat cttgtcgatc acctcctcga aggggacggg 62700

ggcgcggtcc tcaaagatcc ccataaactg ggagtagcgg tggccgaacc acacctgcga 62760

aacggtgacg tctttgtagt acatggtggc cttgaacttg tacggggcga tgttctcctt 62820

gaagaccacc gcgatgccct ccgtgtagtt ctgaccctcg ggccgggtcg ggcagcggcg 62880

cggctgctcg aactgcacca ccgtggcgcc cgtgggggggt gggcacacgt aaaagtttgc 62940

atcggtgttc tccgccttga tgtcccgcag gtgctcgcgc agggtggcgt ggcccgcggc 63000

gacggtcgcg ttgtcgccgg cggggcgcgg cggcggtggg tttttcggtt ttttgttctt 63060

cttcggtttc gtgtcccccg ttggggcggg gccaggggcg ggcggcgccg gagtggcagg 63120

tcccccgttc gccgcctggg tcgcggccgc gaccccaggc gtgccggggg aactcggagc 63180

cgccgacgcc accaggaccc ccagcgtcaa ccccaagagc gcccatacga cgaaccaccg 63240

gcacccccgc gcgggggcgc cctggcgcat ggcgggacta cgggggcccg tcgtgccccc 63300

cgtcaggtag cctgggggcg aggtgctgga ggaccgagta gaggatcgag aaaacgtctc 63360

ggtcgtagac cacgaccgac cgggggccga tacagccgtc gggggcgctc tcgacgatgg 63420

ccaccagcgg acagtcggag tcgtacgtga gatatacgcc gggcgggtaa cggtaacgac 63480

cttcggaggt cgggcggctg cagtccgggc ggcgcaactc gagctccccg caccggtaga 63540

ccgaggcaaa gagtgtggtg gcgataatca gctcgcgaat atatcgccag gcggcgcgct 63600

gagtgggcgt tattccggaa atgccgtcaa aacagtaaaa cctctgaaat tcgctgacgg 63660

cccaatcagc acccgagccc cccgccccca tgatgaaccg ggcgagctcc tccttcaggt 63720

gcggcaggag ccccacgttc tcgacgctgt aatacagcgc ggtgttgggg ggctgggcga 63780

agctgtgggt ggagtgatca aagaggggcc cgttgacgag ctcgaagaag cgatgggtga 63840

tgctggggag cagggccggg tccacctggt gtcgcaggag agacgctcgc atgaaccggt 63900

gcgcgtcgaa cacgcccggc gccgagcggt tgtcgatgac cgtgcccgcg cccgccgtca 63960

gggcgcagaa gcgcgcgcgc gccgcaaagc cgttggcgac cgcggcgaac gtcgcgggca 64020

gcacctcgcc gtggacgctg acccgcagca tcttctcgag ctccccgcgc tgctcgcgga 64080

cgcagcgccc caggctggcc aacgaccgct tcgtcaggcg gtccgcgtac agccgccgtc 64140

gctcccgcac gtccgcggcc gcttgcgtgg cgatgtcccc ccacgtctcg ggcccctgcc 64200

ccccgggccc gcggcgacgg tcttcgtcct cgcccccgcc cccgggagct cccaaccccc 64260

gtgccccttc ctctacggcg acacggtccc cgtcgtcgtc ggggcccgcg ccgcccttgg 64320

gcgcgtccgc cgcgcccccc gcccccatgc gcgccagcac gcgacgcagc gcctcctcgt 64380

cgcactgttc ggggctgacg aggcgccgca agagcggcgt cgtcaggtgg tggtcgtagc 64440

acgcgcggat gagcgcctcg atctgatcgt cgggtgacgt ggcctgaccg ccgattatta 64500

gggcgtccac catatccagc gccgccaggt ggctcccgaa cgcgcgatcg aaatgctccg 64560

cccgccgccc gaacagcgcc agttccacgg ccaccgcggc ggtctcctgc tgcaactcgc 64620

gccgcgccag cgcggtcagg ttgctggcaa acgcgtccat ggtggtctgg ccggcgcggt 64680

cgccggacgc gagccagaat cgcaattcgc tgatggcgta caggccgggc gtggtggcct 64740

gaaacacgtc gtgcgcctcc agcagggcgt cggcctcctt gcggaccgag tcgttctcgg 64800

gcgacgggtg gggctgcccg tcgccccccg cggtccgggc cagcgcatgg tccaacacgg 64860

agagcgcccg cgcgcggtcg gcgtccgaca gcccggcggc gtggggcagg taccgccgca 64920

gctcgttggc gtccagccgc acctgcgcct gctgggtgac gtggttacag atacggtccg 64980

ccaggcggcg ggcgatcgtc gccccctggt tcgccgtcac acacagttcc tcgaaacaga 65040

ccgcgcaggg gtgggacggg tcgctaagct ccgggggggac gataaggccc gaccccaccg 65100

cccccaccat aaactcccga acgcgctcca gcgcggcggt ggcgccgcgc gagggggtga 65160

tgaggtggca gtagtttagc tgctttagaa agttctcgac gtcgtgcagg aaacacagct 65220

ccatatggac ggtcccgcca tacgtatcca gcctgacccg ttggtgatac ggacagggtc 65280

gggccaggcc catggtctcc gtgaaaaaca ccgcgacgtc tcccgcggtc gcgaacgtct 65340

ccaggctgcc caggagccgc tcgccctcgc gccacgcgta ctctagcagc aactccaggg 65400

tgaccgacag cggggtgaga aaggccccgg cctgggcctc caggcccggc ctcagacgac 65460

gccgcagcgc ccgcacctga agcgcgttca gcttcagttg ggggagcttc ccccgtccga 65520

tgtgggggtc gcaccgccgg agcagctcta tctgaaacac ataggtctgc acctgtccga 65580

gcagggctaa caacttttga cgggccacgg tgggctcgga caccggggcg gccatctcgc 65640

ggcgccgatc tgtaccgcgg ccggagtatg cggtggaccg aggcggtccg tacgctaccc 65700

ggcgtctggc tgagccccgg ggtcccccta ttcggggcgg cctcccgcgg gcccgccgac 65760

cggcaagccg ggagtcggcg gcgcgtgcgt ttctgttcta ttcccagaca ccgcggagag 65820

gaatcacggc ccgcccagag atatagacac ggaacacaaa caagcacgga tgtcgtagca 65880

ataatttatt ttacacacat tccccgcccc gccctaggtt cccccacccc ccaacccctc 65940

acagcatatc caacgtcagg tctccctttt tgtcgggggg cccctcccca aacgggtcat 66000

ccccgtggaa cgcccgtttg cggccggcaa atgccggtcc cggggccccc gggccgccga 66060

acggcgtcgc gttgtcgtcc tcgcagccaa aatccccaaa gttaaacacc tccccggcgt 66120

tgccgagttg gctgactagg gcctcggcct cgtgcgccac ctccagggcc gcgtccgtcg 66180

accactcgcc gttgccgcgc tccagggcac gtgcggtcag ctccatcatc tcctcgctta 66240

ggtactcgtc ctccaggagc gccagccagt cctcgatctg cagctgttgg gtgcggggcc 66300

ccaggctttt cacggtcgcc acgaacacgc tactggcgac ggccgccccg ccctcggaga 66360

taatgccccg gagctgctcg cacagcgagc tttcgtgcgc tccgccgccg aggctcgagg 66420

ccgcgcacac aaacccggcc cggggacagg ccaggacgaa cttgcgggtg cggtcaaaaa 66480

taaggagcgg gcacgcgttt ttgccgccca tcaggctggc ccagttcccg gcctgaaaca 66540

cacggtcgtt gccggccatg ccgtagtatt tgctgatgct caaccccaac acgaccatgg 66600

ggcgtgccgc catgacgggc cgcagcaggt tgcagctggc gaacatggag gtccacgcgc 66660

ccggatgcgc gtccacggcg tccatcagcg cgcgggcccc ggcctccagg cccgccccgc 66720

cctgcgcgga ccacgcggcc gccgcctgca cgctgggggg acggcgggac cccgcgatga 66780

tggccgtgag ggtgttgatg aagtacgtcg agtgatcgca gtaccgcaga atctggtttg 66840

ccatgtagta catcgccagc tcgctcacgt tgttgggggc caggttaata aagttgatcg 66900

cgccgtagtc cagggaaaac tttttaatga acgcgatggt ctcgatgtcc tcgcgcgaca 66960

ggagccgggc gggaagctgg ttgcgttgga gggccgtcca gaaccactgc gggttcggct 67020

ggttggaccc cgggggcttg ccgttgggga agatggccgc gtggaactgc ttcagcagaa 67080

agcccagcgg tccgaggagg atgtccacgc gcttgtcggg cttctggtag gcgctctgga 67140

ggctggcgac ccgcgccttg gcggcctcgg acgcgttggc gctcgcgccc gcgaacaaca 67200

cgcggctctt gacgcgcagc tccttgggaa accccagggt cacgcgggca acgtcgccct 67260

cgaagctgct ctcggcgggg gccgtctggc cggccgtcag gctgggggcg cagatagccg 67320

caccctccga gagcgcgacc gtcagcgttt tggccgacag aaacccgttg ttaaacatgt 67380

ccatcacgcg ccgccgcagc accggttgga attgattgcg aaagttgcgc ccctcgaccg 67440

actgcccggc gaacaccccg tggcactggc tcagggccag gtcctggtac acggcgaggt 67500

tggatcgccg cccgagaagc tgaagcaggg ggcacggccc gcacgcgtac gggtccagcg 67560

tcagggacat ggcgtggttg gcctcgccca gaccgtcgcg aaacttgaag ttcctccccc 67620

ccaccaggtt gcgcatcagc tgctccacct cgcggtccac gacctgcctg acgttgttca 67680

ccaccgtatg cagggcctcg cggttggtga tgatggtctc cagccgcccc atggccgtgg 67740

ggaccgcctg gtccacgtac tgcagggtct cgagttcggc catgacgcgc tcggtcgccg 67800

cgcggtacgt ctcctgcatg atggtccggg cggtctcgga tccgtccgcg cgcttcaggg 67860

ccgagaaggc ggcgtagttt cccagcacgt cgcagtcgct gtacatgctg ttcatggtcc 67920

cgaagacgcc gatggctccg cgggcggcgc tggcgaactt gggatggcgc gcccggaggc 67980

gcatgagcgt cgtgtgtacg caggcgtggc gcgtgtcgaa ggtgcacagg ttacagggca 68040

cgtcggtctg gttggagtcc gcgacgtatc gaaacacgtc catctcctgg cgcccgacga 68100

tcacgccgcc gtcgcagcgc tccaggtaaa acagcatctt ggccagcagc gccggggaaa 68160

acccacacag catggccagg tgctcgccgg caaattcctg ggttccgccg acgaggggcg 68220

cggtgggccg accctcgaac ccgggcacca cgtgtccctc gcggtccacc tgtgggttgg 68280

ccgccacgtg ggtcccgggc acgaggaaga agcggtaaaa ggagggtttg ctgtggtcct 68340

ttgggtccgc cgggccggcg tcgtccacct cggtgagatg gagggccgag ttggtgctaa 68400

ataccatggc ccccacgagt cccgcggcgc gcgccaggta cgccccgacg gcgttggcgc 68460

gggccgcggc cgtgtcctgg ccctcgaaca gcggccacgc ggagatgtcg gtgggcggct 68520

cgtcaaagac ggccatcgac acgatagact cgagggccag ggcggcgtct ccggccatga 68580

cggaggccag gcgctgttcg aacccgcccg cagggccctt gccgccgccg tcgcgcccgc 68640

cccgcggggt cttaccctgg ctggcttcga aggccgtgaa cgtaatgtcg gcggggaggg 68700

cggcgccctc gtggttttcg tcaaacgcca ggtgggcggc cgcgcgggcc acggcgtcca 68760

cgtttcggca tcgcagtgcc acggcggcgg gtcccacgac cgcctcgaac aggaggcggt 68820

ggagggggcg gttaaaaaac ggaagcgggt aggtaaaatt ctccccgatc gatcggtggt 68880

tggcgttgaa cggctctgcg atgacacggc taaaatccgg catgaacagc tgcaacgggt 68940

acacgggtat gcggtgcacc tccgccccgc ctatggttac cttgtccgag cctcccaggt 69000

gcagaaaggt gttgttgatg cacacggcct ccttgaagcc ctcggtaacg accagataca 69060

ggagggcgcg gtccgggtcc aggccgaggc gctcacacag cgcctccccc gtcgtctcgt 69120

gtttgaggtc gccgggccgg ggggtgtagt ccgaaaagcc aaaatggcgg cgtgcccgct 69180

cgcagagtcg cgtcaggttc ggggcctggg tgctggggtc caggtgccgg ccgccgtgaa 69240

agacgtacac ggacgagctg tagtgcgagg gcgtcagttt cagggacacc gcggtacccc 69300

cgagccccgt cgtgcgagaa cccacgacca cggccacgtt ggcctcaaag ccgctctcca 69360

cggtcaggcc cacgaccagg ggcgccacgg cgacgtcggc atcgccgctg cgcgccgaca 69420

gtaacgccag aagctcgatg ccttcggacg gacacgcgcg agcgtacacg tatcccaggg 69480

gcccgggggg gaccttgatg gtggttgccg tcttgggctt tgtctccatg tccttctgtc 69540

aatcggtccg cgaacggagg taatcccggc acgacgacgg acgcccgaca aggtatgtct 69600

cccgagcgtc aaaatccggg gggggggggcg gcgacggtca aggggagggt tggagaccgg 69660

ggttggggaa tgaatcccta cccttcaccg acaacccccc gggtaatcac ggggtgccga 69720

tgaaccccgg cggccggcaa cgcggggtcc ctgcgagagg cacagatgct tacggtcagg 69780

tgctccgggt cgggtgcgtc tggtatgcgg ttggtatatg tacactttac ctgggggcgt 69840

gcctggccgc cccagcccct cccacgccct gcgcgtcatc agccggtggg cgtggccgct 69900

attataaaaa aagtgagaac gcgaagcgtt cgcactttgt cctaataata tatatattat 69960

taggacaaag tgcgaacgct tcgcgttctc actttttta taatagcggc cacgcccacc 70020

ggctacgtca cgctcctgtc ggccgccggc ggtccataag cccggccggc cgggccgacg 70080

cgaataaacc gggccgccgg ccggggcgcc gcgcagcagc tcgccgcccg gatccgccag 70140

acaaacaagg cccttgcaca tgccggcccg ggcgagcctg ggggtccggt aattttgcca 70200

tcccacccaa gcggcttttt gggtttttct cttccccccc ccccacatcc cccctcttta 70260

ggggttcggg tggtaacaac cgcgatgttt tccggtggcg gcggcccgct gtcccccgga 70320

ggaaagtcgg cggccagggc ggcgtccggg ttttttgcgc ccgccggccc tcgcggagcc 70380

ggccggggac ccccgccttg cttgaggcaa aacttttaca acccctacct cgccccagtc 70440

gggacgcaac agaagccgac cgggccaacc cagcgccata cgtactatag cgaatgcgat 70500

gaatttcgat tcatcgcccc gcgggtgctg gacgaggatg ccccccccgga gaagcgcgcc 70560

ggggtgcacg acggtcacct caagcgcgcc cccaaggtgt actgcggggg ggacgagcgc 70620

gacgtcctcc gcgtcgggtc gggcggcttc tggccgcggc gctcgcgcct gtggggcggc 70680

gtggaccacg ccccggcggg gttcaacccc accgtcaccg tctttcacgt gtacgacatc 70740

ctggagaacg tggagcacgc gtacggcatg cgcgcggccc agttccacgc gcggtttatg 70800

gacgccatca caccgacggg gaccgtcatc acgctcctgg gcctgactcc ggaaggccac 70860

cgggtggccg ttcacgttta cggcacgcgg cagtactttt acatgaacaa ggaggaggtc 70920

gacaggcacc tacaatgccg cgccccacga gatctctgcg agcgcatggc cgcggccctg 70980

cgcgagtccc cgggcgcgtc gttccgcggc atttccgcgg accacttcga ggcggaggtg 71040

gtggagcgca ccgacgtgta ctactacgag acgcgccccg ctctgtttta ccgcgtctac 71100

gtccgaagcg ggcgcgtgct gtcgtacctg tgcgacaact tctgcccggc catcaagaag 71160

tacgagggtg gggtcgacgc caccacccgg ttcatcctgg acaaccccgg gttcgtcacc 71220

ttcggctggt accgtctcaa accgggccgg aacaacacgc tagcccagcc gcgggccccg 71280

atggccttcg ggacatccag cgacgtcgag tttaactgta cggcggacaa cctggccatc 71340

gaggggggca tgagcgacct accggcatac aagctcatgt gcttcgatat cgaatgcaag 71400

gcgggggggg aggacgagct ggcctttccg gtggccgggc acccggagga cctggtcatc 71460

cagatatcct gtctgctcta cgacctgtcc accaccgccc tggagcacgt cctcctgttt 71520

tcgctcggtt cctgcgacct ccccgaatcc cacctgaacg agctggcggc caggggcctg 71580

cccacgcccg tggttctgga attcgacagc gaattcgaga tgctgttggc cttcatgacc 71640

cttgtgaaac agtacggccc cgagttcgtg accgggtaca acatcatcaa cttcgactgg 71700

cccttcttgc tggccaagct gacggacatt tacaaggtcc ccctggacgg gtacggccgc 71760

atgaacggcc ggggcgtgtt tcgcgtgtgg gacataggcc agagccactt ccagaagcgc 71820

agcaagataa aggtgaacgg catggtgaac atcgacatgt acgggattat aaccgacaag 71880

atcaagctct cgagctacaa gctcaacgcc gtggccgaag ccgtcctgaa ggacaagaag 71940

aaggacctga gctatcgcga catccccgcc tactacgccg ccgggcccgc gcaacgcggg 72000

gtgatcggcg agtactgcat acaggattcc ctgctggtgg gccagctgtt ttttaagttt 72060

ttgccccatc tggagctctc ggccgtcgcg cgcttggcgg gtattaacat cacccgcacc 72120

atctacgacg gccagcagat ccgcgtcttt acgtgcctgc tgcgcctggc cgaccagaag 72180

ggctttattc tgccggacac ccaggggcga tttaggggcg ccgggggggа ggcgcccaag 72240

cgtccggccg cagcccggga ggacgaggag cggccagagg aggaggggga ggacgaggac 72300

gaacgcgagg agggcggggg cgagcgggag ccggagggcg cgcgggagac cgccggccgg 72360

cacgtggggt accagggggc cagggtcctt gaccccactt ccgggtttca tgtgaacccc 72420

gtggtggtgt tcgactttgc cagcctgtac cccagcatca tccaggccca caacctgtgc 72480

ttcagcacgc tctccctgag ggccgacgca gtggcgcacc tggaggcggg caaggactac 72540

ctggagatcg aggtgggggg gcgacggctg ttcttcgtca aggctcacgt gcgagagagc 72600

ctcctcagca tcctcctgcg ggactggctc gccatgcgaa agcagatccg ctcgcggatt 72660

ccccagagca gccccgagga ggccgtgctc ctggacaagc agcaggccgc catcaaggtc 72720

gtgtgtaact cggtttacgg gttcacggga gtgcagcacg gactcctgcc gtgcctgcac 72780

gttgccgcga cggtgacgac catcggccgc gagatgctgc tcgcgacccg cgagtacgtc 72840

cacgcgcgct gggcggcctt cgaacagctc ctggccgatt tcccggaggc ggccgacatg 72900

cgcgcccccg ggccctattc catgcgcatc atctacgggg acacggactc catctttgtg 72960

ctgtgccgcg gcctcacggc cgccgggctg acggccgtgg gcgacaagat ggcgagccac 73020

atctcgcgcg cgctgtttct gtcccccatc aaactcgagt gcgaaaagac gttcaccaag 73080

ctgctgctga tcgccaagaa aaagtacatc ggcgtcatct acgggggtaa gatgctcatc 73140

aagggcgtgg atctggtgcg caaaaacaac tgcgcgttta tcaaccgcac ctccagggcc 73200

ctggtcgacc tgctgtttta cgacgatacc gtatccggag cggccgccgc gttagccgag 73260

cgccccgcag aggagtggct ggcgcgaccc ctgcccgagg gactgcaggc gttcggggcc 73320

gtcctcgtag acgcccatcg gcgcatcacc gacccggaga gggacatcca ggactttgtc 73380

ctcaccgccg aactgagcag acacccgcgc gcgtacacca acaagcgcct ggcccacctg 73440

acggtgtatt acaagctcat ggcccgccgc gcgcaggtcc cgtccatcaa ggaccggatc 73500

ccgtacgtga tcgtggccca gacccgcgag gtagaggaga cggtcgcgcg gctggccgcc 73560

ctccgcgagc tcgacgccgc cgccccaggg gacgagcccg ccccccccgc ggccctgccc 73620

tccccggcca agcgcccccg ggagacgccg ttgcatgccg acccccgggg aggcgcgtcc 73680

aagccccgca agctgctggt gtccgagctg gccgaggatc ccgcatacgc cattgcccac 73740

ggcgtcgccc tgaacacgga ctattacttc tcccacctgt tgggggcggc gtgcgtgaca 73800

ttcaaggccc tgtttgggaa taacgccaag atcaccgaga gtctgttaaa aaggtttatt 73860

cccgaagtgt ggcacccccc ggacgacgtg gccgcgcggc tccgggccgc agggttcggg 73920

gcggtgggtg ccggcgctac ggcggaggaa actcgtcgaa tgttgcatag agcctttgat 73980

actctagcat gagcccccg tcgaagctga tgtccctcat tttacaataa atgtctgcgg 74040

ccgacacggt cggaatctcc gcgtccgtgg gtttctctgc gttgcgccgg accacgagca 74100

caaacgtgct ctgccacacg tgggcgacga accggtaccc cgggcacgcg gtgagcatcc 74160

ggtctatgag ccggtagtgc aggtgggcgg acgtgccggg aaagatgacg tacagcatgt 74220

ggcccccgta agtggggtcc gggtaaaaca acagccgcgg gtcgcacgcc ccgcctccgc 74280

gcaggatcgt gtggacgaaa aaaagctcgg gttggccaag aatcccggcc aagaggtcct 74340

ggaggggggc gttgtggcgg tcggccaaca cgaccaagga ggccaggaag gcgcgatgct 74400

cgaatatcgt gttgatctgc tgcacgaagg ccaggattag ggcctcgcgg ctggtggcgg 74460

cgaaccgccc gtctcccgcg ttgcacgcgg gacagcaacc cccgatgcct aggtagtagc 74520

ccatcccgga gagggtcagg cagttgtcgg ccacggtctg gtccagacag aagggcagcg 74580

agacgggagt ggtcttcacc aggggcaccg agagcgagcg cacgatggcg atctcctcgg 74640

agggcgtctg ggcgagggcg gcgaaaaggc cccgatagcg ctggcgctcg tgtaaacaca 74700

gctcctgttt gcgggcgtga ggcggcaggc tcttccggga ggcccgacgc accacgccca 74760

gagtcccgcc ggccgcagag gagcgcgacc gccggcgctc cttgccgtga tagggcccgg 74820

gccgggagcc gcggcgatgg gggtcggtgt catacatagg tacacagggt gtgctccagg 74880

gacaggagcg agatcgagtg gcgtctaagc agcgcgcccg cctcacggac aaatgtggcg 74940

agcgcggtgg gctttggtac aaatacctga tacgtcttga aggtgtagat gagggcacgc 75000

aacgctatgc agacacgccc ctcgaactcg ttcccgcagg ccagcttggc cttgtggagc 75060

agcagctcgt cgggatgggt ggcgggggga tggccgaaca gaacccaggg gtcaacctcc 75120

atctccgtaa tggcgcacat ggggtcacag aacatgtgct taaagatggc ctcgggcccc 75180

gcggcccgaa gcaggctcac aaaccggccc ccgtccccgg gctgcgtctc ggggtcagcc 75240

tcgagctggt cgacgacggg tacgatacag tcgaagaggc tcgtgttgtt ttccgagtag 75300

cggaccacgg aggcccggag tctgcgcagg gccagccagt aagcacgcac cagtaacagg 75360

ttacacagca ggcattctcc gccggtgcgc ccgcgccccc ggccgtgttt cagcacggtg 75420

gccatcagag ggcccaggtc gaggtcgggc tgggcatcgg gttcggtaaa ctgcgcaaag 75480

cgcggagcca cgtcgcgcgt gcgtgccccg cgatgcgctt cccaggactg gcggaccgtg 75540

gcgcgacggg cctccgcggc agcgcgcagc tggggccccg actcccagac ggcgggggtg 75600

ccggcgagga gcagcaggac cagatccgcg tacgcccacg tatccggcga ctcctccggc 75660

tcgcggtccc cggcgaccgt ctcgaattcc ccgttgcgag cggcggcgcg cgtacagcag 75720

ctgtccccgc ccccgcgccg accctccgtg cagtccagga gacgggcgca atccttccag 75780

ttcatcagcg cggtggtgag cgacggctgc gtgccggatc ccgccgaccc cgccccctcc 75840

tcgcccccgg aggccaaggt tccgatgagg gcccgggtgg cagactgcgc caggaacgag 75900

tagttggagt actgcacctt ggcggctccc ggggagggcg agggcttggg ttgcttctgg 75960

gcatgccgcc cgggcacccc gccgtcggta cggaagcagc agtggagaaa aaagtgccgg 76020

tggatgtcgt ttatggtgag ggcaaagcgt gcgaaggagc cgaccagggt cgccttcttg 76080

gtgcgcagaa agtggcggtc catgacgtac acaaactcga acgcggccac gaagatgcta 76140

gcggcgcagt ggggcgcccc caggcatttg gcacagagaa acgcgtaatc ggccacccac 76200

tgaggcgaga ggcggtaggt ttgcttgtac agctcgatgg tgcggcagac cagacagggc 76260

cggtccagcg cgaaggtgtc gatggccgcc gcggaaaagg gcccggtgtc caaaagcccc 76320

tccccacagg gatccggggg cgggttgcgg ggtcctccgc gcccgcccga acccccctccg 76380

tcgcccgccc ccccgcgggc ccttgagggg gcggtgacca cgtcggcggc gacgtcctcg 76440

tcgagcgtac cgacgggcgg cacacctatc acgtgactgg ccgtcaggag ctcggcgcag 76500

agagcctcgt taagagccag gaggctggga tcgaaggcca catacgcgcg ctcgaacgcc 76560

cccgccttcc agctgctgcc gggggactct tcgcacaccg cgacgctcgc caggaccccg 76620

gggggcgaag ttgccatggc tgggcgggag gggcgcacgc gccagcgaac tttacgggac 76680

acaatccccg actgcgcgct gcggtcccag accctggaga gtctagacgc gcgctacgtc 76740

tcgcgagacg gcgcgcatga cgcggccgtc tggttcgagg atatgacccc cgccgagctg 76800

gaggttgtct tcccgactac ggacgccaag ctgaactacc tgtcgcggac gcagcggctg 76860

gcctccctcc tgacgtacgc cgggcctata aaagcgcccg acgacgccgc cgccccgcag 76920

accccggaca ccgcgtgtgt gcacggcgag ctgctcgccc gcaagcggga aagattcgcg 76980

gcggtcatta accggttcct ggacctgcac cagattctgc ggggctgacg cgcgtgctgt 77040

tgggcgggac ggttcgcgaa ccctttggtg ggtttacgcg ggcacgcacg ctcccatcgc 77100

gggcgccatg gcgggactgg gcaagcccta caccggccac ccaggtgacg ccttcgaggg 77160

tctcgttcag cgaattcggc ttatcgtccc atctacgttg cggggcgggg acggggaggc 77220

gggcccctac tctccctcca gcctcccctc caggtgcgcc tttcagtttc atggccatga 77280

cgggtccgac gagtcgtttc ccatcgagta tgtactgcgg cttatgaacg actgggccga 77340

ggtcccgtgc aacccttacc tgcgcataca gaacaccggc gtgtcggtgc tgtttcaggg 77400

gtttttttcat cgcccacaca acgccccgg gggcgcgatt acgccagagc ggaccaatgt 77460

gatcctgggg tccaccgaga cgacggggtt gtccctcggc gacctggaca ccatcaaggg 77520

gcggctcggc ctggatgccc ggccgatgat ggccagcatg tggatcagct gctttgtgcg 77580

catgccccgc gtgcagctcg cgtttcggtt catgggcccc gaagatgccg gacggacgag 77640

acggatcctg tgccgcgccg ccgagcaggc tattacccgt cgccgccgaa cccggcggtc 77700

ccgggaggcg tacggggccg aggccgggct gggggtggcc ggaacgggtt tccgggccag 77760

gggggacggt tttggcccgc tccccttgtt aacccaaggg ccctcccgcc cgtggcacca 77820

ggccctgcgg ggtcttaagc acctacggat tggccccccc gcgctcgttt tggcggcggg 77880

actcgtcctg ggggccgcta tttggtgggt ggttggtgct ggcgcgcgcc tataaaaaag 77940

gacgcaccgc cgccctaatc gccagtgcgt tccggacgcc ttcgccccac acagccctcc 78000

cgaccgacac ccccatatcg cttcccgacc tccggtcccg atggccgtcc cgcaatttca 78060

ccgccccagc accgttacca ccgatagcgt ccgggcgctt ggcatgcgcg ggctcgtctt 78120

ggccaccaat aactctcagt ttatcatgga taacaaccac ccacaccccc agggcaccca 78180

aggggccgtg cgggagtttc tccgcggtca ggcggcggca ctgacggacc ttggtctggc 78240

ccacgcaaac aacacgttta ccccgcagcc tatgttcgcg ggcgacgcac cggccgcctg 78300

gttgcggccc gcgtttggcc tgcggcgcac ctattcacct tttgtcgttc gagaaccttc 78360

gacgcccggg accccgtgag gcccagggag ttccttctgg ggtgttttaa tcaataaaag 78420

accacaccaa cgcacgagcc ttgcgtttaa tgtcgtgttt attcaaggga gtgggatagg 78480

gttcgacggt tcgaaactta acacaccaaa taatcgagcg cgtctagccc agtaacatgc 78540

gcacgtgatg taggctggtc agcacggcgt cgctgtgatg aagcagcgcc cggcgggtcc 78600

gctgtaactg ctgttgtagg cggtaacagg cgcggatcag caccgccagg gcgctacgac 78660

cggtgcgttg cacgtagcgt cgcgacagaa ctgcgtttgc cgatacgggc ggggggccga 78720

attgtaagcg cgtcacctct tgggagtcat cggcggataa cgcactgaat ggttcgttgg 78780

ttatggggga gtgtggttcc ccagggagtg ggtcgagcgc ctcggcctcg gaatccgaga 78840

ggaacaacga ggtggcgtcg gagtcttcgt cgtcagagac atacagggtc tgaagcagcg 78900

acacgggcgg gggggtagcg tcgatgtgta gcgcgaggga ggatgcccac gaagacaccc 78960

cagacaagga gctgcccgtg cgtggatttg tggaagacgc ggaagccggg acggatgggc 79020

ggttttgcgg tgcccggaac cgaaccgccg gatactcccc gggtgctaca tgcccgtttt 79080

ggggctgggg ttggggctgg ggttggggct ggggttgggg ctggggttgg ggctggggtt 79140

ggggctgggg ttggggttgg ggttggggct ggggttgggg ttggggctgg ggctggggct 79200

ggggctgggg ctggggctgg ggctggggct ggggctgggg ctggggctgg ggctggggct 79260

ggggctgggg ctggggctgg ggttggggcg cggacaggcg gctgacggtc aaatgccccc 79320

gggggcgcgc agatgtggtg ggcgtggcca ccggctgccg tgtagtgggg cggcgggaaa 79380

ccgggcctcc gggcgtaaca ccgccctcca gcgtcaagta tgtgggggggc gggcctgacg 79440

tcgggggcgg ggtgacgggt tggaccgcgg gaggcggggg agagggacct gcgggagagg 79500

atgaggtcgg ctcggccggg ttgcggccta aaacaggggc cgtggggtcg gcggggtccc 79560

agggtgaagg gagggattcc cgcgattcgg acagcgacgc gacagcgggg cgcgtaaggc 79620

gccgctgcgg cccgcctacg ggaaccctgg gggggggttgg cgcgggaccc gaggttagcg 79680

gggggcggcg gttttcgccc ccgggcaaaa ccgtgccggt tgcgaccggg ggcggaacgg 79740

gatcgatagg gagagcggga gaagcctggc cggcggactg gggaccgagc gggaggggca 79800

caccagacac caaagcgtgg ggcgctggct ctgggggttt gggaggggcc gggggcgcg 79860

cgaaatcggt aaccggggcg accgtgtcgg ggagggcagg cggccgccaa ccctgggtgg 79920

tcgcggaagc ctgggtggcg cgcgccaggg agcgtgcccg gcggtgtcgg cgcgcgcgcg 79980

acccggacga agaagcggta gaagcgcggg aggaggcggg ggggcggggg gcggtggcat 80040

cgggggggcgc cggggaactt tgggggggacg gcaagcgccg gaagtcgtcg cgggggccca 80100

cgggcgccgg ccgcgtgctt tcggccggga cgcccggtcg tgcttcgcga gccgtgactg 80160

ccggcccagg gggccgcggt gcacactggg acgtggggac ggactgatcg gcggtgggcg 80220

aaaggggggtc cggggcaagg aggggcgcgg ggccgccgga gtcgtcagac gcgagctcct 80280

ccaggccgtg aatccatgcc cacatgcgag gggggacggg ctcgccgggg gtggcgtcgg 80340

tgaatagcgt gggggccagg cttccgggcc ccaacgagcc ctccgcccca acaaggtccg 80400

ccgggccggg ggtcgggttc gggaccgagg ggctctggtc gtcgggggcg cgctggtaca 80460

ccggatgccc cgggaatagc tcccccgaca ggagggaggc gtcgaacggc cgcccgagga 80520

tagctcgcgc gaggaagggg tcctcgtcgg tggcgctcgc ggcgaggacg tcctcgccgc 80580

ccgccacaaa cgggagctcc tcggtggcct cgctgccaac aaaccgcatg tcgggggggc 80640

cgggggggtc cgggttttcc cacaacaccg cgaccggggt catggagatg tccacgagca 80700

ccaggcacgg cgggccccgg gcgaggggcc gctcggcgat gagcgcggac aggcgcggga 80760

gctgtgccgc cagacacgcg ttttcgatcg ggttaaggtc ggcgtgcagg aggcggacgg 80820

cccacgtctc gatgtcggac gacacggcat cgcgcaaggc ggcgtccggc ccgcgagcgc 80880

gtgagtcaaa cagcgtgagg cacagctcca gttccgactc gcgggaaaag gccgtggtgt 80940

tgcggagcgc cacgacgacg ggcgcgccca ggagcactgc cgccagcacc aggtccatgg 81000

ccgtaacgcg cgccgcgggg gtgcggtggg tggcggcggc cggcacggcg acgtgctggc 81060

ccgtgggccg gtagagggcg ttgggggggag cgggggggtga cgcctcgcgc ccccccgagg 81120

ggctcagcgt ctgcccagat tccagacgcg cggtcagaag ggcgtcgaaa ctgtcatact 81180

ctgtgtagtc gtccggaaac atgcaggtcc aaagagcggc cagcgcggtg cttgggagac 81240

acatgcgccc gaggacgctc accgccgcca gcgcctgggc gggactcagc tttcccagcg 81300

cggcgccgcg ctcggttccc agctcgggga ccgagcgcca gggcgccagg gggtcggttt 81360

cggacaactt gccgcggcgc cagtctgcca gccgcgtgcc gaacatgagg ccccgggtcg 81420

gagggcctcc ggccgaaaac gctggcagca cgcggatgcg ggcgtctgga tgcggggtca 81480

ggcgctgcac gaatagcatg gaatctgctg cgttctgaaa cgcacggggg agggtgagat 81540

gcatgtactc gtgttggcgg accagatcca ggcgccaaaa ggtgtaaatg tgttccgggg 81600

agctggccac cagcgccacc agcacgtcgt tctcgttaaa ggaaacgcgg tgcctagtgg 81660

agctctgggg tccgagcggc ggccccgggg ccgccgcgtc acccccccat tccagctggg 81720

cccagcgaca cccaaactcg cgcgtgagag tggtcgcgac gagggcgacg tagagctcgg 81780

ccgccgcatc catcgaggcc ccccatctcg cctggcggtg gcgcacaaag cgtccgaaga 81840

gctgaaagtt ggcggcctgg gcgtcgctga gggccagctg aagccggttg atgacggtga 81900

ggacgtacat ggccgtgacg gtcgaggccg actccagggt gtccgtcgga agcgggggggc 81960

gaatgcatgc cgcctcggga cacatcagca gcgcgccgag cttgtcggtc acggccggga 82020

agcagagcgc gtactgcagt ggcgttccat ccgggaccaa aaagctgggg gcgaacggcc 82080

tatccagcgt actggtggcc tcgcgcagca ccaggggccc cgggcctccg ctcactcgca 82140

ggtacgcctc gccccggcgg cgcagcatct gcgggtcggc ctcttggccg ggtggggcgg 82200

acgcccgggc gcgggcgtct agggcgcgaa gatccacgag caggggcgcg ggcgcggccg 82260

ccgcgcccgc gcccgtctgg cctgtggcct tggcgtacgc gctatataag cccatgcggc 82320

gttggatgag ctcccgcgcg ccccggaact cctccaccgc ccatggggcc aggtccccgg 82380

ccaccgcgtc caattccgcc aacaggcccc ccagggtgtc aaagttcatc tcccaggcca 82440

cccttggcac cacctcgtcc cgcagccggg cgctcaggtc ggcgtgttgg gccacgcgcc 82500

ccccgagctc ctccacggcc ccggcccgct cggcgctctt ggcgcccagg acgccctggt 82560

acttggcggg aaggcgctcg tagtcccgct gggctcgcag ccccgacaca gtgttggtgg 82620

tgtcctgcag ggcgcgaagc tgctcgcatg ccgcgcgaaa tccctcgggc gatttccagg 82680

ccccccgcg aacgcggccg aagcgacccc atacctcgtc ccactccgcc tcggcctcct 82740

cgaaagacct ccgcagggcc tcgacgcggc gacgggtgtc gaagagcgac tgcaggcgcg 82800

cgccctgtcg cgtcaggagg cccgggccgt cgccgctggc cgcgcttagc gggtgcgtct 82860

caaaggtgcg ctgggcatgt tccaaccagg cgaccgcctg cacgtcgagc tcgcgcgcct 82920

tctccgtctg gtccaacaga atctcgacct gatccgcgat ctcctccgcc gagcgcgcct 82980

ggtccagcgt cttggccacg gtcgccggga cggcaaccac cttcagcagg gtcttcagat 83040

tggccagacc ctcggcctcg agctgggccc ggcgctcgcg cgcggccagc acctcccgca 83100

accccgccgt gacccgctcg gtggcttcgg cgcgctgctg tttggcgcgc accacggcgt 83160

ccttggtatc ggccaggtcc tgtcgggtca cgaatgcgac gtagtcggcg tacgccgtgt 83220

ccttcacggg gctctggtcc acgcgctcca gcgccgccac acacgccacc agcgcgtcct 83280

cgctcgggca gggcagggtg acccctgccc ggacaagctc ggcggccgcc gccgggtcgt 83340

tgcgcaccgc ggatatctcc tccgcggcgg cggccaggtc cagcgccacg cttccgatcg 83400

cgcgccgcgc gtcggcccgg agggcgtcca ggcgatcgcg gatatccacg tactcggcgt 83460

agccctttg aaaaaacggc acgtactggc gcagggccgg cacgcccccc aagtcttccg 83520

acaggtgtag gacggcctcg tggtagtcga taaacccgtc gttcgcctgg gcccgctcca 83580

gcagcccccc cgcgagccgc agaagccgcg ccaggggctc ggtgtccacc cgaaacatgt 83640

cggcgtacgt gtcggccgcg gccccgaagg ccgcgctcca gtcgatgcgg tgaatggctg 83700

cgagcggggg gagcatgggg tggcgctggt tctcgggggt gtatgggtta aacgcaaggg 83760

ccgtctccag ggcaagggtc accgccttgg cgttggttcc cagcgcctgc tcggcccgct 83820

ttcggaagtc ccgggggttg tagccgtgcg tgcccgccag cgcctgcagg cgacggagct 83880

cgaccacgtc aaactcggca ccgctttcca cgcggtccag cacggcctcc acgtcggcgg 83940

cccagcgctc gtggctactg cgggcgcgct gggccgccat cttctctctg aggtcggcgg 84000

tggcggcctc aagttcgtcg gcgcggcgtc gcgtggcgcc gatgaccttt cccagctcct 84060

gcagggcgcg cccgctgggg gagtggtccc cggccgtccc ttcggcgtgc aacaggcccc 84120

cgaacctgcc ctcgtggccc gcgaggcttt cccgcgcgcc ggtggtcgcg cgcgtcgcgg 84180

cctggatcag ggaggcatgc tctccctccg gttggttggc ggcccggcgc acctggacga 84240

caaggtcggc ggcagccgac cctaaggtcg tgagctgggc gatggccccc cgcgcgtcca 84300

gggccaaccg agtcgccttg acgtatcccg cggcgctgtc ggccatggcc gctaggaagg 84360

ccaggggggа ggccgggtcg ctggcggccg cgcccagggc cgtcactgcg tcgaccagga 84420

cgcggtgcgc ccgcacggcc gcatccaccg tcgacgcggg gtctgccgtc gcgacggcgg 84480

cgctgccggc gttgatggcg ttcgagacgg cgtgggctat gatcggggcg tgatcggcga 84540

agaactgcaa gagaaacgga gtctcggggg cgttggcgaa caggttcttc agcaccacca 84600

cgaagctggg atgcaagccg gacagagccg tcgccgtgtc cggagtcggg tgctccaggg 84660

catctcggta ctgccccagc agcccccaca tgtccgcccg cagcgccgcc gtaacctccg 84720

ggggcgcccc ccgaacggcc tcggggaggt ccgaccagcc cgccggcagg gaggcccgca 84780

gggtcgtcag gacggccgga caggccttta gccccacaaa gtcagggagg ggccgcagga 84840

ccccctggag tttgtgcaag aacttctccc gggcgtcgcg ggccaccttc gcccgctccc 84900

gcgctccctc gagcattgcc tccagggagc gcgcgcgctc ccgcaaacgg gcacgcgcat 84960

cgggggcgag ctctgccgtc agcttggcgg catccatggc ccgcgcctgc cgcagcgctt 85020

cctcggccat gcgcgtggcc tctggcgaca gcccgccgtc gtcggggtag ggcgacgcgc 85080

cgggcgcagg aacaaaggcc gcgtcgctgt ccagctgctg gcccagggcc gcatctaggg 85140

cgtcgaagcg ccgcagctcg gccagacccg agctgcggcg cgcctgctgg tcgttaatgt 85200

cgcggatgct gcgcgccagc tcgtccagcg gcttgcgttc tatcagccct tggttggcgg 85260

cgtccgtcag gacggagagc caggccgcca ggtcctcggg ggcgtccagc gtctggcccc 85320

gctgtatcag atcccgcaac aggatggccg tggggctggt cgcgatcggg ggcggggcgg 85380

gaatggcggc gctctgcgcg atgtcccgcg tgtgctggtc gaagacaggc agggactcta 85440

gcagctggac cacgggcacg acggcggccg aagccacgtg aaaccggcgg tcgttgttgt 85500

cgctggcctg cagagccttg gcgctgtata cggccccccg gtaaaagtac tccttaaccg 85560

cgccctcgat cgcccgacgg gcctgggtcc gcacctcctc cagccgaacc tgaacggcct 85620

cggggcccag ggggggtggg cgcggagccc cctgcggggc cgccccggcc ggggcgggca 85680

ttacgccgag gggcccggcg tgctgtgaga ccgcgtcgac cccgcgagcg agggcgtcga 85740

gggcctcgcg catctggcga tcctccgcct ccaccctaat ctcttcgcca cgggcaaatt 85800

tggccagagc ctggactcta tacagaagcg gttctgggtg cgtcggggtg gcgggggcaa 85860

aaagggtgtc cgggtgggcc tgcgagcgct ccagaagcca ctcgccgagg cgtgtataca 85920

gattggccgg cggggccgcg cgaagctgca gctccaggtc cgcgagttcc ccgtaaaagg 85980

cgtccgtctc ccgaatgaca tccctagcca caaggatcag cttcgccagc gccaggcgac 86040

cgatcagaga gttttcgtcc agcacgtgct ggacgagggg cagatgggcg gccacgtcgg 86100

ccaggctcag gcgcgtggag gccagaaagt cccccacggc cgttttccgg ggcagcatgc 86160

tcagggtaaa ctccagcagg gcggcggccg ggccggccac cccggcctgg gtgtgcgtcc 86220

gggccccgtt ctcgatgaga aaggcgagga cgcgttcaaa gaaaaaaata acacagagct 86280

ccagcagccc cggagaagcc ggatacggcg accgtaaggc gctgatggtg agccgcgaac 86340

acgcggcgac ctcgcgggcc agggcggcgg agcacgcggt gaacttaacc gccgtggcgg 86400

ccacgtttgg gtgggcctcg aacagctggg caaggtctgc gcccgggggc tcgggtgagc 86460

ggcgagtctt cagcgcctcg agggcctgcg aggacgccgg aaccgtgggc ccgtcgtcct 86520

cgcccgcctc ggcgaccggc ggcccggccg ggtcgggggg tgccgaggcg aggacaggct 86580

ccggaacgga ggcggggacc gcggccccga cgggggtttt gcctttgggg gtggatttct 86640

tcttggtttt ggcagggggg gccgagcgtt tcgttttctc ccccgaagtc aggtcttcga 86700

cgctggaagg cggagtccag gtgggtcggc ggcgcttggg aaggccggcc gagtagcgtg 86760

cccggtgccg accaaccggg acgacgccca tctccaggac ccgcatgtcg tcgtcatctt 86820

cttcggccgc ctctgcggcg gggggcttgg gggcggaggg aggcggtggt gggatcgcgg 86880

agggtgggtc ggcggagggg ggatccgtgg gtggggtacc cttcagggcc accgcccata 86940

catcgtcggg cgcccgattc gggcgcttgg cctctggttt tgccgacgga ccggccgtcc 87000

cccgggatgt ctcggaggcc ctgtcgtcgc gacgggcccg ggtcggtggc ggcgactggg 87060

cggctgtggg cgggtggggc cccgtgcccc ctacccccctc ccgggggccc acgccgacgc 87120

agggctcccc caggcccgcg atctcgcccc gcagggggtg cgtgatggcc acgcgccgtt 87180

cgctgaacgc ttcgtcctgc aggtaagtct cgctggcccc gtaaagatgc agagccgcgg 87240

ccgtcaagtc cgcaggagcc gcgggttccg ggcccgacgg cacgaaaaac accatggctc 87300

ccgcccaccg tacgtccggg cgatcgcggg tgtaatacgt caggtatgga tacatgtccc 87360

ccgcccgcac tttggcgatg aacgcggggg tgccctccgg aaggccgtgc gggtcaaaaa 87420

ggtatgcggt gtcgccgtcc ctgaacagcc ccatccctag ggggccaatg gttaggagcg 87480

tgtacgacag ggggcgcagg gcccacgggc cggcgaagaa cgtgtgtgcg gggcattgtg 87540

tctccagcag gcccgccgcg ggctccccga agaagcccac ctcgccgtat acgcgcgaga 87600

agacacagcg cagtccgccg cgcgcccctg ggtactcgag gaagttgggg agctcgacga 87660

tcgaacacat gcgcggcggc ccagggcccg cggtcgcgcg cgtccactcg ccccccctcga 87720

ccaaacaacc ctcgatggcc tccgcggaca gaacgtcgcg agggcccaca tcaaatatga 87780

ggctgagaaa ggacagcgac gagcgcatgc acgataccga ccccccggc tccaggtcgg 87840

gcgcgaactg gttccgagca ccggtgacca cgatgtcgcg atccccccg cgttccatcg 87900

tggagtgcgg tggggtgccc gcgatcatat gtgccctact ggccagagac ccggcctgtt 87960

tatggaccgg acccccgggg ttagtgttgt ttccgccacc catgcccccg taccatggcc 88020

ccggttcccc tgattaggct acgagtcgcg gtgatcgctt cccaaaaacc gagctgcgtt 88080

tgtctgtctt gatctttccc ccccccgccc gcccgcccgc ccgcacacca taacaccgag 88140

aacaacacac gggggtgggc gtaacataat aaagctttat tggtaactag ttaacggcaa 88200

gtccgtgggt ggcgcgacgg tgtcctccgg gctcatctcg tcgtcctcga cgggggtgtt 88260

ggaatgaggc gccccctcgc ggtccgcctg gcgtgggccg tgcccatagg cctccggctt 88320

ctgtgcgtcc atgggcatag gcgcggggag actgtttccg gcgtcgcgga cctccaggtc 88380

cctgggagac tccggtccgg ctaacggacg aaacgcggaa gcgcgaaaca cgccgtcggt 88440

gacccgcagg agctcgttca tcagtaacca atccatactc agcgtaacgg ccagcccctg 88500

gcgagacaga tccacggagt ccggaaccgc ggtcgtctgg cccaggggggc cgaggctgta 88560

gtccccccag gcccctaggt cgcgacggct cgtaagcacg acgcggtcgg ccgcggggct 88620

ttgcgggggg gcgtcctcgg gcgcatgcgc cattacctct cggatggccg cggcgcgctg 88680

gtcggccgag ctgaccaagg gcgccacgac cacggcgcgc tccgtctgca ggcccttcca 88740

cgtgtcgtgg agttcctgga caaactcggc cacgggctcg ggtcccgcgg ccgcgcgcgc 88800

ggcttgatag caggccgaga gacgccgcca gcgcgctaga aactgaccca tgaagcaaaa 88860

cccggggacc tggtctcccg acagcagctt cgacgcccgg gcgtgaatgc cggacacgac 88920

ggacagaaac ccgtgaattt cgcgccggac cacggccagc acgttgtcct cgtgcgacac 88980

ctgggccgcc agctcgtcgc acacccccag gtgcgccgtg gtttcggtga tgacggaacg 89040

caggctcgcg agggacgcga ccagcgcgcg cttggcgtcg tgatacatgc tgcagtactg 89100

actcaccgcg tcccccatgg cctcgggggg ccagggcccc aggcggtcgg gcgtgtcccc 89160

gaccaccgca tacaggcggc gcccgtcgct ctcgaaccga cactcgaaaa aggcggagag 89220

cgtgcgcatg tgcagccgca gcagcacgat ggcgtcctcc agttggcgaa tcaggggtc 89280

tgcgcgctcg gcgaggtcct gcagcacccc ccgggcggcc agggcgtaca tgctaatcaa 89340

caggaggctg gtgcccacct cgggggggcgg ggggggctgc agctggacca ggggccgcag 89400

ctgctcgacg gcacccctgg agatcacgta cagctcccgg agcagctgct ctatgttgtc 89460

ggccatctgc atagtggggc cgaggccgcc ccgggcggcc ggttcgagga gggtaatcag 89520

cgcgcccagt ttggtgcgat ggccctcgac cgtggggaga tagcccagcc caaagtcccg 89580

ggcccaggcc aacacacgca gggcgaactc gaccgggcgt ggaaggtagg ccgcgctaca 89640

cgtggccctc aacgcgtccc cgaccaccag ggccagaacg taggggacga agcccgggtc 89700

ggcgaggacg ttggggtgaa tgccctcgag ggcggggaag cggatctggg tcgccgcggc 89760

caggtggaca gaggggggcgt ggctgggctg cccgacgggg agaagcgcgg acagcggcgt 89820

ggccggggtg gtgggggtga tgtcccagtg ggtctgacca tacacgtcga tccagatgag 89880

cgccgtctcg cggagaaggc tgggttgacc ggaactaaag cggcgctcgg ccgtctcaaa 89940

ctcccccacg agcgcccgcc gcaggctcgc cagatgttcc gtcggcacgg ccggacccat 90000

gatacgcgcc agcgtctggc tcagaacgcc ccccgacagg ccgaccgcct cgcagagccg 90060

cccgtgcgtg tgctcgctgg cgccctggac ccgcctgaaa gtttttacgt agttggcata 90120

gtacccgtat tcccgcgcca gaccaaacac gttcgacccc gcgagggcaa tgcacccaaa 90180

gagctgctgg acttcgccga gtccgtggcc ggcgggcgtc cgcgcgggga cgcccgccgc 90240

cagaaacccc tccagggccg aaaggtagtg cgtgcagtgc gagggcgtga acccagcgtc 90300

gatcagggtg ttgatcacca cggagggcga attggtattc tggatcaacg tccacgtctg 90360

ctgcagcaga gccagcagcc gctgctgggc gccggcggag ggctgctccc cgagctgcag 90420

caggctggag acggcaggct ggaagactgc cagtgccgac gaactcagga acggcacgtc 90480

gggatcaaac acggccacgt ccgtccgcac gcgcgccatt agcgtccccg ggggcgcaca 90540

ggccgagcgc gggctgacgc ggctgagggc cgtcgacacg cgcacctcct cgcggctgcg 90600

aaccatcttg ttggcctcca gtggcggaat cattatggcc gggtcgatct cccgcacggt 90660

gtgctgaaac tgcgccaaca ggggcggcgg gaccacagcc ccccgctcgg gggtcgtcag 90720

gtactcgtcc accagggcca acgtaaagag ggcccgtgtg aggggagtga gggtcgcgtc 90780

gtctatgcgc tggaggtgcg ccgagaacag cgtcacccga ttactcacca gggccaagaa 90840

ccggaggccc tcttgcacga acggggcggg gaagagcagg ctgtacgccg gggtggtaag 90900

gttcgcgctg ggctgcccca acgggaccgg cgccatcttg agcgacgtct ccccaagggc 90960

ctcgatggag gtccgcgggc tcatggccaa gcagctcttg gtgacggttt gccagcggtc 91020

tatccactcc acggcgcact ggcggacgcg gaccggcccc agggccgccg cggtgcgcag 91080

gccggcggaa tccagcgcat gggacgtgtc ggagccggtg accgcgagga tggtgtcctt 91140

gatgacctcc atctcccgga aggcctggtc gggggcctcg gggagagcca ccaccaagcg 91200

gtgtacgagc aacccgggga ggttctcggc caagagcgcc gtctccggaa gcccgtgggc 91260

ccggtggagc gcgcacaggt gttccagcag cggccgccag catgcccgcg cgtctgccgg 91320

ggcgatggcc gttcccgaca acagaaacgc cgccatggcg gcgcgcagct tggccgtggc 91380

cagaaacgcc gggtcgtccg ccccgtttgc cgtctcggcc gtgggggttg gcggttggcg 91440

aaggccggct aggctcgcca ataggcgctg cataggtccg tccgagggcg gaccggcggg 91500

tgaggtcgtg acgacggggg cctcggacgg gagaccgcgg tctgccatga cgcccggctc 91560

gcgtgggtgg gggacagcgt agaccaacga cgagaccggg cgggaatgac tgtcgtgcgc 91620

tgtagggagc ggcgaattat cgatcccctg cggccctcca ggaaccccgc aggcgttgcg 91680

agtaccccgc gtcttcgcgg ggtgttatac ggccacttaa gtcccggcat cccgttcgcg 91740

gacccaggcc cgggggattg tccggatgtg cgggcagccc ggacggcgtg ggttgcggac 91800

tttctgcggg gcggcccaaa tggcccttta aacgtgtgta tacggacgcg ccgggccagt 91860

cggccaacac aacccaccgg aggcggtagc cgcgtttggc tgtggggtgg gtggttccgc 91920

cttgcgtgag tgtcctttcg acccccccct cccccgggtc ttgctaggtc gcgatctgtg 91980

gtcgcaatga agaccaatcc gctacccgca acccccttccg tgtggggcgg gagtaccgtg 92040

gaactccccc ccaccacacg cgataccgcg gggcagggcc tgcttcggtg cgtcctgcgc 92100

cccccgatct ctcgccgcga cggcccagtg ctccccaggg ggtcgggacc ccggagggcg 92160

gccagcacgc tgtggttgct tggcctggac ggcacagacg cgccccctgg ggcgctgacc 92220

cccaacgacg ataccgaaca ggccctggac aagatcctgc ggggcaccat gcgcgggggg 92280

gcggccctga tcggctcccc gcgccatcat ctaacccgcc aagtgatcct gacggatctg 92340

tgccaaccca acgcggatcg tgccgggacg ctgcttctgg cgctgcggca ccccgccgac 92400

ctgcctcacc tggcccacca gcgcgccccg ccaggccggc agaccgagcg gctgggcgag 92460

gcctggggcc agctgatgga ggcgaccgcc ctggggtcgg ggcgagccga gagcgggtgc 92520

acgcgcgcgg gcctcgtgtc gtttaacttc ctggtggcgg cgtgtgccgc ctcgtacgac 92580

gcgcgcgacg ccgccgatgc ggtacgggcc cacgtcacgg ccaactaccg cgggacgcgg 92640

gtgggggcgc gcctggatcg tttttccgag tgtctgcgcg ccatggttca cacgcacgtc 92700

ttcccccacg aggtcatgcg gtttttcggg gggctggtgt cgtgggtcac ccaggacgag 92760

ctagcgagcg tcaccgccgt gtgcgccggg ccccaggagg cggcgcacac cggccacccg 92820

ggccggcccc gctcggccgt gatcctcccg gcgtgtgcgt tcgtggacct ggacgccgag 92880

ctggggctgg ggggcccggg cgcggcgttt ctgtacctgg tattcactta ccgccagcgc 92940

cgggaccagg agctgtgttg tgtgtacgtg atcaagagcc agctcccccc gcgcgggttg 93000

gagccggccc tggagcggct gtttgggcgc ctccggatca ccaacacgat tcacggcacc 93060

gaggacatga cgcccccggc cccaaaccga aaccccgact tccccctcgc gggcctggcc 93120

gccaatcccc aaaccccgcg ttgctcggct ggccaggtca cgaaccccca gttcgccgac 93180

aggctgtacc gctggcagcc ggaccttcgg gggcgcccca ccgcacgcac ctgtacgtac 93240

gccgcctttg cagagctcgg catgatgccc gaggatagtc cccgctgcct gcaccgcacc 93300

gagcgctttg gggcggtcag cgtccccgtt gttattctgg aaggcgtggt gtggcgcccc 93360

ggcgagtggc gggcatgcgc gtgagcgtag caaacgcccc gcccacacaa cgctccgccc 93420

ccaacccctt ccccgctgtc actcgtggtt cgttgacccg gacgtccgcc aaataaagcc 93480

actgaaaccc gaaacgcgag tgttgtaacg tcctttgggc gggaggaagc cacaaaatgc 93540

aaatgggata catggaagga acacaccccc gtgactcagg acatcggcgt gtcctttgg 93600

gtttcactga aactggcccg cgccccaccc ctgcgcgatg tggataaaaa gccagcgcgg 93660

gtggtttagg gtaccacagg tgggtgcttt ggaaacttgt cggtcgccgt gctcctgtga 93720

gcttgcgtcc ctccccggtt tcctttgcgc tcccgccttc cggacctgct ctcgcctatc 93780

ttctttggct gtcggtgcga ttcgtcaggc agcggccttg tcgaatctcg accccaccac 93840

tcgccggacc cgccgacgtc ccctctggag cccgccgaaa cccgccgcgt ctgttgaaat 93900

ggccagccgc ccagccgcat cctctcccgt cgaagcgcgg gccccggttg ggggacagga 93960

ggccggcggc cccagcgcag ccacccaggg ggaggccgcc ggggcccctc tcgcccacgg 94020

ccaccacgtg tactgccagc gagtcaatgg cgtgatggtg ctttccgaca agacgcccgg 94080

gtccgcgtcc taccgcatca gcgatagcaa ctttgtccaa tgtggttcca actgcaccat 94140

gattatcgac ggagacgtgg tgcgcgggcg cccccaggac ccgggggccg cggcatcccc 94200

cgctcccttc gttgcggtga caaacatcgg agccggcagc gacggcggga ccgccgtcgt 94260

tgcattcggg ggaaccccac gtcgctcggc ggggacgtct accggtaccc agacggccga 94320

cgtcccagcc gaggcccttg ggggcccccc tcctcctccc cgcttcaccc tgggtggcgg 94380

ctgttgctcc tgtcgcgaca cacggcgccg ctctgcggta ttcgggggggg agggggatcc 94440

cgtcggcccc gcggagttcg tctcggacga ccggtcgtcc gattccgact cggatgactc 94500

ggaggacacc gactcggaga cgctgtcaca cgcctcctcg gacgtgtccg gcggggccac 94560

gtacgacgac gcccttgact ccgattcgtc atcggatgac tccctgcaga tagatggccc 94620

cgtgtgtcgc ccgtggagca atgacaccgc gcccctggat gtttgccccg ggacccccgg 94680

cccgggcgcc gacgccggtg gtccctcagc ggtagaccca cacgcgccga cgacaggggc 94740

cggcgctggt cttgcggccg atcccgccgt ggcccgggac gacgcggagg ggctttcgga 94800

cccccggcca cgtctgggaa cgggcacggc ctaccccgtc cccctggaac tcacgcccga 94860

gaacgcggag gccgtggcgc gctttctggg agatgccgtg aaccgcgaac ccgcgctcat 94920

gctggagtac ttttgccggt gcgcccgcga ggaaaccaag cgtgtccccc ccaggacatt 94980

ctgcagcccc cctcgcctca cggaggacga ctttgggctt ctcaactacg cgctcgtgga 95040

gatgcagcgc ctgtgtctgg acgttcctcc ggtcccgccg aacgcataca tgccctatta 95100

tctcagggag tatgtgacgc ggctggtcaa cgggttcaag ccgctggtga gccggtccgc 95160

tcgcctttac cgcatcctgg gggttctggt gcacctgcgg atccggaccc gggaggcctc 95220

ctttgaggag tggctgcgat ccaaggaagt ggccctggac tttggcctga cggaaaggct 95280

tcgcgagcac gaagcccagc tggtgatcct ggcccaggct ctggaccatt acgactgtct 95340

gatccacagc acaccgcaca cgctggtcga gcgggggctg caatcggccc tgaagtatga 95400

ggagttttac ctaaagcgct ttggcgggca ctacatggag tccgtcttcc agatgtacac 95460

ccgcatcgcc ggctttttgg cctgccgggc cacgcgcggc atgcgccaca tcgccctggg 95520

gcgagagggg tcgtggtggg aaatgttcaa gttctttttc caccgcctct acgaccacca 95580

gatcgtaccg tcgacccccg ccatgctgaa cctggggacc cgcaactact acacctccag 95640

ctgctacctg gtaaaccccc aggccaccac aaacaaggcg accctgcggg ccatcaccag 95700

caacgtcagt gccatcctcg cccgcaacgg gggcatcggg ctatgcgtgc aggcgtttaa 95760

cgactccggc cccgggaccg ccagcgtcat gcccgccctc aaggtcctcg actcgctggt 95820

ggcggcgcac aacaaagaga gcgcgcgtcc gaccggcgcg tgcgtgtacc tggagccgtg 95880

gcacaccgac gtgcgggccg tgctccggat gaaaggggtc ctcgccggcg aagaggccca 95940

gcgctgcgac aatatcttca gcgccctctg gatgccagac ctgtttttca agcgcctgat 96000

tcgccacctg gacggcgaga agaacgtcac atggaccctg ttcgaccggg acaccagcat 96060

gtcgctcgcc gactttcacg gggaggagtt cgagaagctc taccagcacc tcgaggtcat 96120

ggggttcggc gagcagatac ccatccagga gctggcctat ggcattgtgc gcagtgcggc 96180

cacgaccggg agccccttcg tcatgttcaa agacgcggtg aaccgccact acatctacga 96240

cacccagggg gcggccatcg ccggctccaa cctctgcacc gagatcgtcc atccggcctc 96300

caagcgatcc agtggggtct gcaatctggg aagcgtgaat ctggcccgat gcgtctccag 96360

gcagacgttt gactttgggc ggctccgcga cgccgtgcag gcgtgcgtgc tgatggtgaa 96420

catcatgatc gacagcacgc tacaacccac gccccagtgc acccgcggca acgacaacct 96480

gcggtccatg ggaatcggca tgcagggcct gcacacggcc tgcctgaagc tggggctgga 96540

tctggagtct gccgaatttc aggacctgaa caaacacatc gccgaggtga tgctgctgtc 96600

ggcgatgaag accagcaacg cgctgtgcgt tcgcggggcc cgtcccttca accactttaa 96660

gcgcagcatg tatcgcgccg gccgctttca ctgggagcgc tttccggacg cccggccgcg 96720

gtacgagggc gagtgggaga tgctacgcca gagcatgatg aaacacggcc tgcgcaacag 96780

ccagtttgtc gcgctgatgc ccaccgccgc ctcggcgcag atctcggacg tcagcgaggg 96840

ctttgccccc ctgttcacca acctgtttag caaggtgacc cgggacggcg agacgctgcg 96900

ccccaacacg ctcctgctaa aggaactgga acgcacgttt agcgggaagc gcctcctgga 96960

ggtgatggac agtctcgacg ccaagcagtg gtccgtggcg caggcgctcc cgtgcctgga 97020

gcccacccac cccctccggc gattcaagac cgcgtttgac tacgaccaga agttgctgat 97080

cgacctgtgt gcggaccgcg ccccctacgt cgaccatagc caatccatga ccctgtatgt 97140

cacggagaag gcggacggga ccctcccagc ctccaccctg gtccgccttc tggtccacgc 97200

atataagcgc ggactaaaaa cagggatgta ctactgcaag gttcgcaagg cgaccaacag 97260

cggggtcttt ggcggcgacg acaacattgt ctgcacgagc tgcgcgctgt gaccgacaaa 97320

ccccctccgc gccaggcccg ccgccactgt cgtcgccgtc ccacgcgctc ccccgctgcc 97380

atggattccg cggccccagc cctctccccc gctctgacgg cccatacggg ccagagcgcg 97440

ccggcggacc tggcgatcca gattccaaag tgccccgacc ccgagaggta cttctacacc 97500

tcccagtgtc ccgacattaa ccacctgcgc tccctcagca tccttaaccg ctggctggaa 97560

accgagcttg ttttcgtggg ggacgaggag gacgtctcca agctttccga gggcgagctc 97620

agcttttacc gcttcctctt cgctttcctg tcggccgccg acgacctggt tacggaaaac 97680

ctgggcggcc tctccggcct gtttgagcag aaggacattc tccactacta cgtggagcag 97740

gaatgcatcg aagtcgtaca ctcgcgcgtg tacaacatca tccagctggt gctttttcac 97800

aacaacgacc aggcgcgccg cgagtacgtg gccggcacca tcaaccaccc ggccatccgc 97860

gccaaggtgg actggttgga agcgcgggtg cgggaatgcg cctccgttcc ggaaaagttc 97920

attctcatga tcctcatcga gggcatcttt tttgccgcct cgtttgccgc catcgcctac 97980

cttcgcacca acaaccttct gcgggtcacc tgccagtcaa acgacctcat cagccgggac 98040

gaggccgtgc acacgacggc ctcgtgttac atctacaaca actacctcgg cgggcacgcc 98100

aagcccccgc ccgaccgcgt gtacgggctg ttccgccagg cggtcgagat cgagatcgga 98160

tttatccgat cccaggcgcc gacggacagc catatcctga gcccggcggc gctggcggcc 98220

atcgaaaact acgtgcgatt cagcgcggat cgcctgttgg gccttatcca catgaagcca 98280

ctgttttccg ccccaccccc cgacgccagc tttccgctga gcctcatgtc caccgacaaa 98340

cacaccaatt ttttcgagtg tcgcagcacc tcctacgccg gggcggtcgt caacgatctg 98400

tgagggtcgc ggcgcgcttc tacccgtgtt tgcccataat aaacctctga accaaacttt 98460

gggtctcatt gtgattcttg tcagggacgc gggggtggga gaggataaaa ggcggcgcaa 98520

aaagcagtaa ccaggtccgg ccagattctg agggcatagg ataccataat tttattggtg 98580

ggtcgtttgt tcggggacaa gcgcgctcgt ctgacgtttg ggctactcgt cccagaattt 98640

ggccaggacg tccttgtaga acgcgggtgg gggggcctgg gtccgcagct gctccagaaa 98700

cctgtcggcg atatcagggg ccgtgatatg ccgggtcacg atagatcgcg ccaggttttc 98760

gtcgcggatg tcctggtaga taggcaggcg tttcagaaga gtccacggcc cccgctcctt 98820

ggggccgata agcgatatga cgtacttaat gtagcggtgt tccaccagct cggtgatggt 98880

catgggatcg gggagccagt ccagggactc tggggcgtcg tggatgacgt ggcgtcgccg 98940

gctggccaca taactgcggt gctcttccag cagctgcgcg ttcgggacct ggacgagctc 99000

gggcggggtg agtatctccg aggaggacga cctggggccg gggtggcccc cggtaacgtc 99060

ccggggatcc agggggaggt cctcgtcgtc ttcgtatccg ccggcgatct gttgggttag 99120

aatttcggtc cacgagacgc gcgtctcggt gccgccggtg gccggcggca gaggggcct 99180

ggtttccgtg gagcgcgagc tggtgtgttc ccggcggatg gcccgccggg tctgagagcg 99240

actcgggggg gtccagtgac attcgcgcag cacatcctcc acggaggcgt aggtgttatt 99300

gggatggagg tcggtgtggc agcggacaaa gagggccagg aactgggggt agctcatctt 99360

aaagtacttc agtatatcgc gacagttgat cgtgggaatg tagcaggcgc taatatccaa 99420

cacaatatcg cagcccatca acaggaggtc agtgtccgtg gtgtacacgt acgcgaccgt 99480

gttggtgtga tagaggttgg cgcaggcatc gtccgcctcc agctgacccg agttaatgta 99540

ggcgtacccc agggcccgga gaacgcgaat acagaacaga tgcgccagac gcagggccgg 99600

cttcgagggc gcggcggacg gcagcgcggc tccggacccg gccgtccccc gggtccccga 99660

ggccagagag gtgccgcgtc ggcgcatgtt ggaaaaggca gagctgggtc tggagtcggt 99720

gatgggggaa ggcggtggag aggcgtccac gtcactggcc tcctcgtccg tccggcactg 99780

ggccgtcgtg cgggccagga tggccttggc tccaaacaca accggctcca tacaattgac 99840

cccgcgatcg gtaacgaaga tggggaaaag ggacttttgg gtaaacacct ttaataagcg 99900

acagaggcag tgtagcgtaa tggcctcgcg gtcgtaactg gggtatcggc gctgatattt 99960

gaccaccaac gtgtacatga cgttccacag gtccacggca atgggggtga agtacccggc 100020

cggggcccca aggccccggc gcttgaccag atggtgtgtg tgggcaaact tcatcatccc 100080

gaacaaaccc atgtcaggtc gattgtaact gcggatcggc ctaactaagg cgtggttggt 100140

gcgacggtcc gggacacccg agcctgtctc tctgtgtatg gtgacccaga caacaacacc 100200

gacacaagag gacaataatc cgttagggga cgctctttat aatttcgatg gcccaactcc 100260

acgcggattg gtgcagcacc ctgcatgcgc cggtgcgggc caaccttccc cccgctcatt 100320

gcctcttcca aaagggtgtg gcctaacgag ctgggggcgt atttaatcag gctagcgcgg 100380

cgggcctgcc gtagtttctg gctcggtgag cgacggtccg gttgcttggg tcccctggct 100440

gccatcaaaa ccccaccctc gcagcggcat acgccccctc cgcgtcccgc acccgagacc 100500

ccggcccggc tgccctcacc accgaagccc acctcgtcac tgtggggtgt tcccagcccg 100560

cgttgggatg acggattccc ctggcggtgt ggcccccgcc tcccacgtgg aggacgcgtc 100620

ggacgcgtcc ctcgggcagc cggaggaggg ggcgccctgc caggtggtcc tgcagggcgc 100680

cgagcttaat ggaatcctac aggcgtttgc cccgctgcgc acgagccttc tggactcgct 100740

tctggttatg ggagaccggg gcatccttat ccataacacg atctttgggg agcaggtgtt 100800

cctgcccctg gaacactcgc aattcagtcg gtatcgctgg cgcggaccca cggcggcgtt 100860

cctgtctctc gtggaccaga agcgctccct cctgagcgtg tttcgcgcca accagtaccc 100920

ggacctacgt cgggtggagt tggcgatcac gggccaggcc ccgtttcgca cgctggttca 100980

gcgcatatgg acgacgacgt ccgacggcga ggccgttgag ctagccagcg agacgctgat 101040

gaagcgcgaa ctgacgagct ttgtggtgct ggttccccag ggaacccccg acgttcagtt 101100

gcgcctgacg aggccgcagc tcaccaaggt ccttaacgcg accggggccg atagtgccac 101160

gcccaccacg ttcgagctcg gggttaacgg caaattttcc gtgttcacca cgagtacctg 101220

cgtcacattt gctgcccgcg aggagggcgt gtcgtccagc accagcaccc aggtccagat 101280

cctgtccaac gcgctcacca aggcgggcca ggcggccgcc aacgccaaga cggtgtacgg 101340

ggaaaatacc catcgtacct tctctgtggt cgtcgacgat tgcagcatgc gggcggtgct 101400

ccggcgactg caggtcgccg ggggcaccct caagttcttc ctcacgaccc ccgtccccag 101460

tctgtgcgtc accgccaccg gtcccaacgc ggtatcggcg gtatttctcc tgaaacccca 101520

gaagatttgc ctggactggc tgggtcatag ccaggggtct ccttccgccg ggagctcggc 101580

ctcccgggcc tctgggagcg agccaacaga cagccaggac tccgcgtcgg acgcggtcag 101640

ccacggcgat ccggaagacc tcgatggcgc tgcccgggcg ggagaggcgg gggcctcgta 101700

cgcctgtccg atgccgtcgt cgaccacgcg ggtcactccc acgaccaagc gggggcgctc 101760

gggggggcgag gatgcgcacg cggacacggc cctaaagaaa cctaagacgg ggtcgcccac 101820

cgcacccccg cccgcagatc cagtcccccc ggacacggag gacgactccg atgcggcgga 101880

cgggacggcg gcccgtcccg ccgctccaga cgcccgaagc ggaagccgtt acgcgtgtta 101940

ctttcgcgac ctcccgaccg gagaagcaag ccccggcgcc ttctccgcct tccgggggggg 102000

cccccaaacc ccgtctggtt ttggattccc ctgacggggc ggggccttag cggccgccca 102060

accctcgcaa catcccgggg ttaatgtaaa taaacttggt attgcccaac actctcccgc 102120

gtgtcgcgtg tggttcatgt gtgtgcctgg cgcccccacc ctcgggttcg tgtatttcct 102180

ttccctgtcc ttataaaagc cgtatgtggg gcgctgacgg aaccaccccg cgtgccatca 102240

cggccaaggc gcgggatgct ccgcaacgac agccaccggg ccgcgtcccc ggaggacggc 102300

cagggacggg tcgacgacgg acggccacac ctcgcgtgcg tgggggccct ggcgcggggg 102360

ttcatgcata tctggcttca ggccgccacg ctgggttttg cgggatcggt cgttatgtcg 102420

cgcgggccgt acgcgaatgc cgcgtctggg gcgttcgccg tcgggtgcgc cgtgctgggc 102480

tttatgcgcg cgccccctcc cctcgcgcgg cccaccgcgc ggatatacgc ctggctcaaa 102540

ctggcggccg gtggagcggc ccttgttctg tggagtctcg gggagcccgg cacgcagccg 102600

ggggccctgg ccccgggccc ggccacccag tgcctggcgc tgggcgccgc ctatgcggcg 102660

ctcctggtgc tcgccgatga cgtctatccg ctctttctcc tcgccccggg gcccctgttc 102720

gtcggcaccc tggggatggt cgtcggcggg ctgacgatcg gaggcagcgc gcgctactgg 102780

tggatcggtg ggcccgccgc ggccgccctg gccgcggcgg tgttggcggg cccgggggcg 102840

accaccgcca gggactgctt ctccagggcg tgccccgacc accgccgcgt ctgcgtcatc 102900

gtcgcaggcg agtctgtttc ccgccgcccc ccggaggacc cagagcgacc cggggaccca 102960

gggccaccgt ccccccgac accccaacga tcccaggggc cgccggccga tgaggtcgca 103020

ccggccgggg tagcgcggcc cgaaaacgtc tgggtgcccg tggtcacctt tctgggggct 103080

ggcgcgctcg ccgtcaagac ggtgcgagaa catgcccggg gaacgccggg cccgggcctg 103140

ccgctgtggc cccaggtgtt tctcggaggc catgtggcgg tggccctgac ggagctgtgt 103200

caggcgcttg cgccctggga ccttacggac ccgctgctgt ttgttcacgc cggactgcag 103260

gtcatcaacc tcgggttggt gtttcggttt tccgaggttg tcgtgtatgc ggcgctaggg 103320

ggtgccgtgt ggatttcgtt ggcgcaggtg ctggggctcc ggcgtcgcct gcacaggaag 103380

gaccccgggg acggggcccg gttggcggcg acgcttcggg gcctcttctt ctccgtgtac 103440

gcgctggggt ttggggtggg ggcgctgctg tgccctccgg ggtcaacggg cgggcggtcg 103500

ggcgattgat atatttttca ataaaaggca ttagtcccga agaccgccgg tgtgtgatga 103560

tttcgccata acacccaaac cccggatggg gcccgggtat aaattccgga aggggacacg 103620

ggctaccttc actaccgagg gcgcttggtc gggaggccgc atcgaacgca cacccccatc 103680

cggtggtccg tgtggaggtc gtttttcagt gcccggtctc gctttgccgg gaacgctagc 103740

cgatccctcg cgaggggggag gcgtcgggca tggccccggg gcgggtgggc cttgccgtgg 103800

tcctgtggag cctggtgtgg ctcggggcgg gggtgtccgg gggctcggaa actgcctcca 103860

ccgggcccac gatcaccgcg ggagcggtga cgaacgcgag cgaggccccc acatcggggt 103920

cccccgggtc agccgccagc ccggaggtca cccccacatc gaccccaaac cccaacaatg 103980

tcacacaaaa ccaaaccacc cccaccgagc cggccagccc cccaacaacc cccaagccca 104040

cctccacacc caaaagcccc cccacgtcca cccccgaccc caaacccaag aacaacacca 104100

cccccgccaa gtcggaccgc cccactaaac cccccgggcc cgtgtggtgc gaccgccgcg 104160

atttattggc ccggtacggc tcgcgggtgc agatccgatg ccggtttcgg aattccaccc 104220

gcatggagtt ccgcctccag atatggcgtt actccatggg tccgtccccc ccaatcgctc 104280

cggctcccga cctagaggag gtcctgacga acatcaccgc cccacccggg ggactcctgg 104340

tgtacgacag cgcccccaac ctaacggacc cccacgtgct ctgggcggag ggggccggcc 104400

cgggcgccga ccctccgttg tattctgtca ccgggccgct gccgacccag cggctgatta 104460

tcggcgaggt gacgcccgcg acccagggaa tgtattactt ggcctggggc cggatggaca 104520

gcccgcacga gtacgggacg tgggtgcgcg tccgcatgtt ccgccccccg tctctgaccc 104580

tccagcccca cgcggtgatg gagggtcagc cgttcaaggc gacgtgcacg gccgccgcct 104640

actacccgcg taaccccgtg gagtttgtct ggttcgagga cgaccaccag gtgtttaacc 104700

cgggccagat cgacacgcag acgcacgagc accccgacgg gttcaccaca gtctctaccg 104760

tgacctccga ggctgtcggc ggccaggtcc ccccgcggac cttcacctgc cagatgacgt 104820

ggcaccgcga ctccgtgacg ttctcgcgac gcaatgccac cgggctggcc ctggtgctgc 104880

cgcggccaac catcaccatg gaatttgggg tccggcatgt ggtctgcacg gccggctgcg 104940

tccccgaggg cgtgacgttt gcctggttcc tgggggacga cccctcaccg gcggctaagt 105000

cggccgttac ggcccaggag tcgtgcgacc gccccgggct ggctacggtc cggtccaccc 105060

tgcccatttc gtacgactac agcgagtaca tctgtcggtt gaccggatat ccggccggga 105120

ttcccgttct agagcaccac ggcagtcacc agcccccacc cagggacccc accgagcggc 105180

aggtgatcga ggcgatcgag tgggtgggga ttggaatcgg ggttctcgcg gcgggggtcc 105240

tggtcgtaac ggcaatcgtg tacgtcgtcc gcacatcaca gtcgcggcag cgtcatcggc 105300

ggtaacgcga gacccccccg ttacctttttt aatatctata tagtttggtc cccctctatc 105360

ccgcccaccg ctgggcgcta taaagccgcc accctctctt ccctcaggtc atccttggtc 105420

gatcccgaac gacacacggc gtggagcaaa acgcctcccc ctgagccgct ttcctaccag 105480

cgcaacggca tgcctctgcg ggcatcggaa cacgcctacc ggcccctggg ccccgggaca 105540

ccccccatgc gggctcggct ccccgccgcg gcctgggttg gcgtcgggac catcatcggg 105600

ggagttgtga tcattgccgc gttggtcctc gtgccctcgc gggcctcgtg ggcactttcc 105660

ccatgcgaca gcggatggca cgagttcaac ctcgggtgca tatcctggga tccgaccccc 105720

atggagcacg agcaggcggt cggcggctgt agcgccccgg cgaccctgat cccccgcgcg 105780

gctgccaaac agctggccgc cgtcgcacgc gtccagtcgg caagatcctc gggctactgg 105840

tgggtgagcg gagacggcat tcgggcctgc ctgcggctcg tcgacggcgt cggcggtatt 105900

gaccagtttt gcgaggagcc cgcccttcgc atatgctact atccccgcag tcccgggggc 105960

tttgttcagt ttgtaacttc gacccgcaac gcgctggggc tgccgtgagg cgcgtgtact 106020

gcggtctgtc tcgtctcctc ttctcccctt ccctccccct ccgcatccca ggatcacacc 106080

ggccaacgag ggttgggggg tccggcacgg acccaaaata ataaacacac aatcacgtgc 106140

gataaaaaga acacgcggtc ccctgtggtg tttttggtta tttttattaa atctcgtcgt 106200

caaacagggg gaaaggggcg tggtctagcg acggcagcac gggtggaggc gttcaccggc 106260

tccggcgtcc ttcgcgttta agcttggtca ggagggcgct cagggcggcg acgttggtcg 106320

ggccgtcgtt ggtcagggcg ttggctcgat ggcgggcgag gacgggcgag gggctcaacg 106380

gcgggggcgg gggcccggtg cggcccgggg gggaaaatag ggcggatccc ccccagtcgt 106440

acaggggatt ttccgcctca atgtacgggg aggccggcgc tgcattcgcc gtgttcgcgc 106500

agacgttttc gtagacccgc atccatggta tttcctcgta gacacgcccc ccgtcctcgc 106560

tcacagtctc gtatattgac tcgtcgtcct cgtagggggc gtgccgttcg cgggccgagg 106620

cggcgtgggt ggctttgcgg cgggcgtcgt cgtcgtcgtc ggccgtcaga tacgtggctt 106680

ccatctggtc gggttctccc tccggggcgg gtccccaccc ccgtggccga tcgaggctcc 106740

ccagagacgc gcgccggacg aggagggggc acgtcgccgc cggcggtcgc ctgtcgggtc 106800

ccgcgacgtt acgggccggg aggcgcgggg gcacctcccc catgtgcgtg taatacgtgg 106860

ccggctgtgc ggccgcagcg gggggctcgg cgaccgggtc gtccgcatcc ggaagcgggg 106920

gcgccgcgcc gtccgcgcgg cgcctccgga accgccgggt ggccgcgggg gtcgagtgta 106980

ggcgaggtcg ggggaggggc gggggctcgt tgtcgcgccg cgcccgctga atcttttccc 107040

gacaggtccc acccccgcg cgatgccccc ccgggccgcg ggccatgtcg tccgggggag 107100

gccccgcgga ccacgtcgtc cggcgagacg ccacgagccg caggatggac tcgtagtgga 107160

gcgacggcgc cccgctgcgg agcagatccg cggccagggc ggccccgaac caagccttga 107220

tgctcaactc catccgggcc cagctggggg cggtcatcgt ggggaacagg ggggcggtgg 107280

tccgacagaa acgctcctgg ctgtccaccg cggcccgcag atactcgttg ttcaggctgt 107340

cggtggccca gacgccgtac ccggtgaggg tcgcgttgat gatatactgg gcgtggtgat 107400

ggacgatcga cagaacctcc accgtggata cgacggtatc cacggtcccg tacgtaccgc 107460

cgctccgctt gccggtctgc cacaggttgg ctaggcgcgt caggtggccc aggacgtcgc 107520

tgaccgccgc cctgagcgcc atgcactgca tggagccggt cgtgccgctg ggaccccggt 107580

ccagatggcg cgcgaacgtt tccgcgggcg cctccgggct gccgccgagc gggaggaacc 107640

ggcgattgga gggactcagc cggtggcata cgtgcttgtc tgtcgtccac agcatccagg 107700

acgcccaccg gtacagcacg gagacgtagg ccaggagctc gttgagccgc agtgcggtgt 107760

cggtgctggg gcggcttggg tccgccgggc gcataaagaa catgtactgc tgaatccgat 107820

ggagggcgtc gcgcaggccg gccacggtgg cggcgtactt ggccgccgcg gccccgctct 107880

tgaacggggt gcgcgccagc agctttggcg ccagggtggg ccgcagcagc acgtgaaggc 107940

tggggtcgca gtcgcccacg gggtcctcgg ggacgtccag gccgctgggc accaccgtct 108000

gcaggtactt ccagtactgc gtgaggatgg cgcggctcaa ctggccgccg gtgagctcca 108060

cctcgcccag cgcctgggtg gcggccgaag cgtagtgccg gatgtactcg tagtgcgggt 108120

cgctggcgag cccgtccacg atcaaactct cgggaaccgt gttgtgttgc cgcgcggcca 108180

accggacgct gcgatcggtg caggtcagaa acgccggctg cgcgtcgtcg gagcgctgcc 108240

gcaaggcgcc cacggccgcg ctaaggagcc cctccggggt ggggagcaga cacccgccga 108300

agatgcgccg ctcgggaacg cccgcgttgt cgccgcggat caggttggca ggcgtcaggc 108360

accgcgccag ccgcagggag ctcgcgccgc gcgtccggcg ctgcatggtg acgcccgttc 108420

ggtcgggacc cgccggtcgg agttatgccg cgtccagggc catcggggcg ctttttatcg 108480

ggaggagctt atgggcgtgg cgggcctccc agcccggtcg cgcgcctccc cgacacgtgc 108540

gcccgcaggg cggcggcccc ctcgtctccc atcagcagtt tcctaaactg ggacatgatg 108600

tccaccacgc ggacccgcgg gcccaacacg gacccgccgc ttacgggggc gggggggaag 108660

ggctccaggt ccttgagaag aaaggcgggg tctgccgtcc cggacacggg ggcccggggc 108720

gctgaggagg cggggcgcag atccacgtgc tccgcggccg cgcggacgtc cgcccagaac 108780

ttggcggggg tggtgcgcgc gtacaggggc tgggtcgctc ggaggacgca cgcgtagcgc 108840

agggggggtgt acgtgcccac ctcgggggcc gtgaatcccc cgtcaaacgc ggccagtgtc 108900

acgcacgcca ccacggtgtc ggcaaagccc agcagccgct gcaggacgag cccggcggcc 108960

agaatggcgc gcgtggccgc cgcgtcgtcc cggcgccggt gcgcgtcccc gcacgcccgg 109020

gcgtacttta aggtcacggt cgccagggcc gtgtgcagcg cgtacaccgc agcgcccagc 109080

acggcgttga gcccgctgtt ggcgagcagc cggcgcgctg cggtgtcgcc cagcgcctcg 109140

tgctcggccc ccacgaccgc ggggcttccc aggggcaggg cgcgaaacag ctcctcccgc 109200

gccacgtccg caaaggcggg gtggtgcacg tgcgggtgca ggcgcgcccc cacgaccacc 109260

gagagccact ggaccgtctg ctccgccatc accgccagca catccagcac gcgccccagg 109320

aaggcggcct cccgcgtcaa aacgcaccgg acggcgtcgg gattgaagcg ggcgagcagg 109380

gccccggtgg ccaggtacgt catgcggccg gcatagcggg cggccacgcg acagtcgcgg 109440

tccagcagcg cgcgcacccc gggccagtac agcagggacc ccagcgagct gcgaaacacc 109500

gcggcgtcgg ggccggattg gggggacact aacccccccg cgctcagtaa cggcacggcc 109560

gcggccccga cgggacgcaa cgccgtgagg ctcgcgaact gccgcctcag ctcggcagcc 109620

ctgtcgtcca ggtccgaccc gcgcgcctct gcgtgaaggc gcgtcccgca cacccacccg 109680

ttgatggcca gccgcacgac ggcatccgcc aaaaagctca tcgcctgggc ggggctggtt 109740

tttgttcgac gatccgtcag gtcaagaatc ccatcgcccg tgatatacca ggccaacgcc 109800

tcgccctgct gcagggtttg gcggaaaaac accgcggggt tgtcgggggа ggcgaagtgc 109860

atgaccccca cgcgcgataa cccgaacgcg ctatccggac acgggtaaaa cccggccgga 109920

tgccccaggg ctagggcgga gcgcacggac tcgtcccaca cggcaacctg aggggccagt 109980

cgatccaacg ggaatgccgc ccggagctcc gggcccggca cgcgtccctc cagaacctcc 110040

accttgggcg gggaacgggc cccgccgccg tcctccggcc cgacgtcttc cgggtagtcg 110100

tcctcctcgt actgcagctc ctctaggaac agcggcgacg gcgccacccg cgaaccgccg 110160

acccgcccca aaatagcccg cgcgtcgacg ggacccaggt atccccccctg ccgggcctgc 110220

ggaggaccgc ggggaacctc atcatcatcg tccaggcgac cgcgcaccga ctggctacgg 110280

gccgcatcgg gcccggggcg ctgccgggac gctcggcgat gggatgtggg cggggcttcc 110340

gacgcgcgcc gtcgtcgggc tcgcgggcct tcccgtcgac ggcgcacggg cggctcgtcg 110400

cccgccatct cctccagagc ctctagctcg ctgtcgtcat ccccgcggaa caccgcacgc 110460

aggtacccca tgaaccccac cccatcgccc gctggctcgt ccgccacggg cgaggcgcgg 110520

gggcgggtgg atgcgcgcct cctacgcccc gcgggttcgc gagccgacat ggtggcgata 110580

gacgcgggtt atcggatgtc cgctaccccc caaaaaagaa aaagacccca cagcgcggat 110640

ggaggccggg gtaggtgccg ccggaccccc tcgcgatggg aatggacggg agcgacgggg 110700

ccggcgcaaa aaacgcagta tctcccgcga aggctacccg ccgccccagc ccccggccaa 110760

atgcggaaac ggtcccgcgc tctcgccttt atacgcgggc cgccctgcga cacaatcacc 110820

cgtccgtggt ttcgaatcta cacgacaggc ccgcagacgc ggctaacaca cacgccggca 110880

acccagaccc cagtgggttg gttgcgcggt cccgtctcct ggctagttct tttccccacc 110940

accaaataat cagacgacaa ccgcaggttt ttgtaatgta tgtgctcgtg tttattgtgg 111000

atacgaaccg gggacgggag gggaaaaccc agacgggggа tgcgggtccg gtcgcgcccc 111060

ctacccaccg tactcgtcaa ttccaagggc atcggtaaac atctgctcaa actcgaagtc 111120

ggccatatcc agagcgccgt agggggcgga gtcgtggggg gtaaatcccg gacccgggga 111180

atccccgtcc cccaacatgt ccagatcgaa atcgtctagc gcgtcggcat gcgccatcgc 111240

cacgtcctcg ccgtctaagt ggagctcgtc ccccaggctg acatcggtcg gggggccgt 111300

cgacagtctg cgcgtgtgtc ccgcggggag aaaggacagg cgcggagccg ccagccccgc 111360

ctcttcgggg gcgtcgtcgt ccgggagatc gagcaggccc tcgatggtag acccgtaatt 111420

gtttttcgta cgcgcgcggc tgtacgcgtg ttcccgcatg accgcctcgg agggcgaggt 111480

cgtgaagctg gaatacgagt ccaacttcgc ccgaatcaac accataaagt acccagaggc 111540

gcgggcctgg ttgccatgca gggtgggagg ggtcgtcaac ggcgcccctg gctcctccgt 111600

agccgcgctg cgcaccagcg ggaggttaag gtgctcgcga atgtggttta gctcccgcag 111660

ccggcgggcc tcgattggca ctccccggac ggtgagcgct ccgttgacga acatgaaggg 111720

ctggaacaga cccgccaact gacgccagct ctccaggtcg caacagaggc agtcaaacag 111780

gtcgggccgc atcatctgct cggcgtacgc ggcccatagg atctcgcggg tcaaaaatag 111840

atacaaatgc aaaaacagaa cacgcgccag acgagcggtc tctcggtagt acctgtccgt 111900

gatcgtggcg cgcagcattt ctcccaggtc gcgatcgcgt ccgcgcatgt gcgcctggcg 111960

gtgcagctgc cggacgctgg cgcgcaggta ccggtacagg gccgagcaga agttggccaa 112020

cacggttcga tagctctcct cccgcgcccg tagctcggcg tggaagaaac gagagagcgc 112080

ttcgtagtag agcccgaggc cgtcgcgggt ggccggaagc gtcgggaagg ccacgtcgcc 112140

gtgggcgcga atgtcgattt gggcgcgttc ggggacgtac gcgtcccccc attccaccac 112200

atcgctgggc agcgttgata ggaatttaca ctcccggtac aggtcggcgt tggtcggtaa 112260

cgccgaaaac aaatcctcgt tccaggtatc gagcatggta catagcgcgg ggcccgcgct 112320

aaagcccaag tcgtcgagga gacggttaaa gagggcggcg gggggacgg gcatgggcgg 112380

ggagggcatg agctgggcct ggctcaggcg ccccgttgcg tacagcggag gggccgccgg 112440

ggtgtttttg ggacccccgg ccgggcgggg gggtggtggc gaagcgccgt ccgcgtccat 112500

gtcggcaaac agctcgtcga ccaagaggtc cattgggtgg ggttgatacg ggaaagacga 112560

tatcgggctt ttgatgcgat cgtccccgcc cgcccagaga gtgtgggacg cccgacggcg 112620

cgggaagaga aaaaccccca aacgcgttag aggaccggac ggaccttatg gggggaagtg 112680

ggcagcggga accccgtccg ttcccgagga atgacagccc gtggtcgcca ccccgcattt 112740

aagcaacccg cacgggccgc cccgtacctc gtgacttccc cccacattgg ctcctgtcac 112800

gtgaaggcga accgagggcg gctgtccaac ccacccccg ccacccagtc acggtccccg 112860

tcggattggg aaacaaaggc acgcaacgcc aacaccgaat gaacccctgt tggtgcttta 112920

ttgtctgggt acggaagttt ttcactcgac gggccgtctg gggcgagaag cggagcgggc 112980

tggggctcga ggtcgctcgg tggggcgcga cgccgcagaa cgccctcgag tcgccgtggc 113040

cgcgtcgacg tcctgcacca cgtctggatt caccaactcg ttggcgcgct gaagcaggtt 113100

tttgccctcg cagaccgtca cgcggatggt ggtgatgcca aggagttcgt tgaggtcttc 113160

gtctgtgcgc ggacgcgaca tgtcccagag ctggaccgcc gccatccggg catgcatggc 113220

cgccaggcgc ccgaccgcgg cgcagaagac gcgcttgtta aagccggcca cccggggggt 113280

ccatggcgcg tcggggtttg gggggcggt gctaaagtgc agctttctgg ccagcccctg 113340

cgcgggtgtc ttggatcggg ttggcgccgt cgacgcgggg gcgtctggga gtgcggcgga 113400

ttctggctgg gccgatttcc tgccgcgggt ggtctccgcc gccggggccg cgggggcctt 113460

agtcgccacc cgctgggttc gggggcccg gggggcggtg gtgggtgtgc gtccggcccc 113520

tccggaccca gcgggcggcg gaggcgcccg cgcaggcccc gggccggaca aaaccgcccc 113580

ggaaacggga cgccgcgtcc gggggacctc cgggtgttcg tcgtcttcgg atgacgagcc 113640

cccgtagagg gcataatccg actcgtcgta ctggacgaaa cggacctcgc ccctcgggcg 113700

cgcgcgtgtc tgtagggcgc cacggcggga ggtggcaggc ggactatcgg gactcgccat 113760

acatgaagac ggggtgtagt acagatcctc gtactcatcg cgcggaacct cccgcggacc 113820

cgacttcacg gagcggcgag aggtcatggt tccacgaaca cgctagggtc ggatgcgcgg 113880

acaattaggc ctgggttcgg acggcggggg gtggtgcagg tgtggagagg tcgagcgata 113940

ggggcggccc gggagagaag agagggtccg caaaacccac tggggatgcg tgagtggccc 114000

tctgtgggcg gtgggggaga gtcttatagg aagtgcatat aaccacaacc catgggtcta 114060

accaatcccc aggggccaag aaacagacac gccccaaacg gtctcggttt ccgcgaagaa 114120

ggggaagtcc tgggacaccc tccaccccca cccctcaccc cacacagggc gggttcaggc 114180

gtgcccggca gccagtagcc tctggcagat ctgacagacg tgtgcgataa tacacacgcc 114240

catcgaggcc atgcctacat aaaagggcac cagggccccc ggggcagaca tttggccagc 114300

gttttgggtc tcgcaccgcg cgcccccgat cccatcgcgc ccgccctcct cgccgggcgg 114360

ctccccgtgc gggcccgcgt ctcccgccgc taaggcgacg agcaagacaa acaacaggcc 114420

cgcccgacag acccttctgg gggggcccat cgtccctaac aggaagatga gtcagtgggg 114480

atccggggcg atccttgtcc agccggacag cttgggtcgg gggtacgatg gcgactggca 114540

cacggccgtc gctactcgcg ggggcggagt cgtgcaactg aacctggtca acaggcgcgc 114600

ggtggctttt atgccgaagg tcagcgggga ctccggatgg gccgtcgggc gcgtctctct 114660

ggacctgcga atggctatgc cggctgactt ttgtgcgatt attcacgccc ccgcgctatc 114720

cagcccaggg caccacgtaa tactgggtct tatcgactcg gggtaccgcg gaaccgttat 114780

ggccgtggtc gtagcgccta aaaggacgcg ggaatttgcc cccgggaccc tgcgggtcga 114840

cgtgacgttc ctggacatcc tggcgccccc cccggccctc accaagccga tttccctgcg 114900

gcagttcccg caactggcgc ccccccctcc aaccggggcc gggatacgcg cagatccttg 114960

gttggagggg gcgctcgggg acccaagcgt gactccggcc ctaccggcgc gacgccgagg 115020

gcggtccctc gtctatgccg gcgagctgac gccggttcag acggaacacg gggacggcgt 115080

acgagaagcc atcgccttcc ttccaaaacg cgaggaggat gccggtttcg acattgtcgt 115140

ccgtcgcccg gtcaccgtcc cggcaaacgg caccacggtc gtgcagccat ccctccgcat 115200

gctccacgcg gacgccgggc ccgcggcctg ttatgtgttg gggcggtcgt cgctcaacgc 115260

ccgcggcctc ctggtcgttc ctacgcgctg gctccccggg cacgtatgtg cgtttgttgt 115320

ttacaacctt acgggggttc ctgtgaccct cgaggccggc gccaaggtcg cccagctcct 115380

ggttgcgggg gcggacgctc ttccttggat ccccccggac aactttcacg ggaccaaagc 115440

gcttcgaaac taccccaggg gtgttccgga ctcaaccgcc gaacccagga acccgccgct 115500

cttggtgttt acgaacgagt ttgacgcgga ggcccccccg agcgagcgcg ggaccggggg 115560

ttttggctct accggtattt agcccatagc ttggggttcg ttccgggcaa taaaaaacgt 115620

ttgtatctca tctttcctgt gtgtagttgt ttctgttgga ggcctgtggg tctatcacac 115680

ccgcccctcc atcccacaaa cacagaacac acgggttgga tgaaaacacg catttattga 115740

cccaaaacac acggagctgc tcgagatggg ccagggcgag gtgcggttgg ggaggctgta 115800

ggtctgggaa cggacacgcg gggacacgat tccggtttgg ggtccgggag ggcgtcgccg 115860

tttcgggcgg caggcgccag cgtaacctcc gggggcggcg tgtgggggtg ccccaaggag 115920

ggcgcctcgg tcaccccaag ccccccccaag cgggttcccc cggcaacccc gaaggcggag 115980

aggccaaggg cccgttcggc gatggccaca tcctccatga ccacgtcgct ctcggccatg 116040

ctccgaatag cctgggagac gagcacatcc gcggacttgt cagccgcccc cacggacatg 116100

tacatctgca ggatggtggc catacacgtg tccgccaggc gccgcatctt gtcctgatgg 116160

gccgccacgg ccccgtcgat cgtgggggcc tcgagcccgg ggtggtggcg cgccagtcgt 116220

tctaggttca ccatgcaggc gtggtacgtg cgggccaagg cgcgggcctt cacgaggcgt 116280

cgggtgtcgt ccagggaccc cagggcgtca tcgagcgtga tgggggcggg aagtagcgcg 116340

ttaacgacca ccagggcctc ctgcagccgc ggctccgcct ccgagggcgg aacggccgcg 116400

cggatcatct catattgttc ctcggggcgc gctccccagc cacatatagc cccgagaaga 116460

gaagccatcg cgggcgggta ctggcccttg ggcgcgcgga cgcaatgggg caggaagacg 116520

ggaaccgcgg ggagaggcgg gcggccggga ctcccgtgga ggtgaccgcg ctttatgcta 116580

ccgacgggtg cgttattacc tcttcgatcg ccctcctcac aaactctcta ctgggggccg 116640

agccggttta tatattcagc tacgacgcat acacgcacga tggccgtgcc gacgggccca 116700

cggagcaaga caggttcgaa gagagtcggg cgctctacca agcgtcgggc gggctaaatg 116760

gcgactcctt ccgagtaacc ttttgtttat tggggacgga agtgggtggg acccaccagg 116820

cccgcgggcg aacccgaccc atgttcgtct gtcgcttcga gcgagcggac gacgtcgccg 116880

cgctacagga cgccctggcg cacgggaccc cgctacaacc ggaccacatc gccgccaccc 116940

tggacgcgga ggccacgttc gcgctgcatg cgaacatgat cctggctctc accgtggcca 117000

tcaacaacgc cagcccccgc accggacgcg acgccgccgc ggcgcagtat gatcagggcg 117060

cgtccctacg ctcgctcgtg gggcgcacgt ccctgggaca acgcggcctt accacgctat 117120

acgtccacca cgaggcgcgc gtgctggccg cgtaccgcag ggcgtattat ggaagcgcgc 117180

agagtccctt ctggtttctt agcaaattcg ggccggacga aaaaagcctg gtgctcacca 117240

ctcggtacta cctgcttcag gcccagcgtc tgggggggcgc gggggccacg tacgacctgc 117300

aggccatcaa ggacatctgc gccacctacg cgattcccca cgccccccgc cccgacaccg 117360

tcagcgccgc gtccctgacc tcgtttgccg ccatcacgcg gttctgttgc acgagccagt 117420

acgcccgcgg ggccgcggcg gccgggtttc cgctttacgt ggagcgccgt attgcggccg 117480

acgtccgcga gaccagtgcg ctggagaagt tcataaccca cgatcgcagt tgcctgcgcg 117540

tgtccgaccg tgaattcatt acgtacattt acctggccca ttttgagtgt ttcagccccc 117600

cgcgcctagc cacgcatctt cgggccgtga cgacccacga ccccaacccc gcggccaaca 117660

cggagcagcc ctcgcccctg ggcagggagg ccgtggaaca atttttttgc cacgtgcgcg 117720

cccaactgaa tatcggggag tacgtcaaac acaacgtgac cccccgggag accgtcctgg 117780

atggcgatac ggccaaggcc tacctgcgcg ctcgcacgta cgcgcccggg gccctgacgc 117840

ccgcccccgc gtattgcggg gccgtggact ccgccaccaa aatgatgggg cgtttggcgg 117900

acgccgaaaa gctcctggtc ccccgcgggt ggcccgcgtt tgcgcccgcc agtcccgggg 117960

aggatacggc gggcggcacg ccgcccccac agacctgcgg aatcgtcaag cgcctcctga 118020

gactggccgc cacggaacaa caggacacca cgcccccggc gatcgcggcg cttatccgta 118080

atgcggcggt gcagactccc ctgcccgtct accggatatc catggtcccc acgggacagg 118140

catttgccgc gctggcctgg gacgactggg cccgcataac gcgggacgct cgcctggccg 118200

aagcggtcgt gtccgccgaa gcggcggcgc accccgacca cggcgcgctg ggcaggcggc 118260

tcacggatcg catccgcgcc cagggccccg tgatgccccc tggcggcctg gatgccgggg 118320

ggcagatgta cgtgaatcgc aacgagatat tcaacggcgc gctggcaatc acaaacatca 118380

tcctggatct cgacatcgcc ctgaaggagc ccgtcccctt tcgccggctc cacgaggccc 118440

tgggccactt taggcgcggg gctctggctg cggttcagct cctgtttccc gcggcccgcg 118500

tggaccccga cgcatatccc tgttattttt tcaaaagcgc atgtcggccc ggcccggcgt 118560

ccgtgggttc cggcagcgga ctcggcgacg acggggactg gtttccctgc tacgacgacg 118620

ccggtgatga ggagtgggcg gaggacccgg gcgccatgga cacatcccac gatccccgg 118680

acgacgaggt tgcctacttt gacctgtgcc acgaagtcgg ccccacggcg gaacctcgcg 118740

aaacggattc gcccgtgtgt tcctgcaccg acaagatcgg actgcgggtg tgcatgcccg 118800

tccccgcccc gtacgtcgtc cacggttctc taacgatgcg gggggtggca cgggtcatcc 118860

agcaggcggt gctgttggac cgagattttg tggaggccat cgggagctac gtaaaaaact 118920

tcctgttgat cgatacgggg gtgtacgccc acggccacag cctgcgcttg ccgtattttg 118980

ccaaaatcgc ccccgacggg cctgcgtgcg gaaggctgct gccagtgttt gtgatccccc 119040

ccgcctgcaa agacgttccg gcgtttgtcg ccgcgcacgc cgacccgcgg cgcttccatt 119100

ttcacgcccc gcccacctat ctcgcttccc cccgggagat ccgtgtcctg cacagcctgg 119160

gtggggacta tgtgagcttc tttgaaagga aggcgtcccg caacgcgctg gaacactttg 119220

ggcgacgcga gaccctgacg gaggtcctgg gtcggtacaa cgtacagccg gatgcggggg 119280

ggaccgtcga ggggttcgca tcggaactgc tggggcggat agtcgcgtgc atcgaaaccc 119340

actttcccga acacgccggc gaatatcagg ccgtatccgt ccggcgggcc gtcagtaagg 119400

acgactgggt cctcctacag ctagtccccg ttcgcggtac cctgcagcaa agcctgtcgt 119460

gtctgcgctt taagcacggc cgggcgagtc gcgccacggc gcggacattc gtcgcgctga 119520

gcgtcggggc caacaaccgc ctgtgcgtgt ccttgtgtca gcagtgcttt gccgccaaat 119580

gcgacagcaa ccgcctgcac acgctgttta ccattgacgc cggtacgcca tgctcgccgt 119640

ccgttccctg cagcacctct caaccgtcgt cttgataacg gcgtacggcc tcgtgctcgt 119700

gtggtacacc gtcttcggtg ccagtccgct gcaccgatgt atttacgcgg tacgccccac 119760

cggcaccaac aacgacaccg ccctcgtgtg gatgaaaatg aaccagaccc tattgtttct 119820

gggggccccg acgcaccccc ccaacggggg ctggcgcaac cacgcccata tctgctacgc 119880

caatcttatc gcgggtaggg tcgtgccctt ccaggtccca cccgacgcca tgaatcgtcg 119940

gatcatgaac gtccacgagg cagttaactg tctggagacc ctatggtaca cacgggtgcg 120000

tctggtggtc gtagggtggt tcctgtatct ggcgttcgtc gccctccacc aacgccgatg 120060

tatgtttggt gtcgtgagtc ccgcccacaa gatggtggcc ccggccacct acctcttgaa 120120

ctacgcaggc cgcatcgtat cgagcgtgtt cctgcagtac ccctacacga aaattacccg 120180

cctgctctgc gagctgtcgg tccagcggca aaacctggtt cagttgtttg agacggaccc 120240

ggtcaccttc ttgtaccacc gccccgccat cggggtcatc gtaggctgcg agttgatgct 120300

acgctttgtg gccgtgggtc tcatcgtcgg caccgctttc atatcccggg gggcatgtgc 120360

aatcacatac cccctgtttc tgaccatcac cacctggtgt tttgtctcca ccatcggcct 120420

gacagagctg tattgtattc tgcggcgggg cccggccccc aagaacgcag acaaggccgc 120480

cgccccgggg cgatccaagg ggctgtcggg cgtctgcggg cgctgctgtt ccatcatcct 120540

ctcgggcatc gcagtgcgat tgtgttatat cgccgtggtg gccggggtgg tgctcgtggc 120600

gcttcactac gagcaggaga tccagaggcg cctgtttgat gtatgacgtc acatccaggc 120660

cggcggaaac cggaacggca tatgcaaatt ggaaactgtc ctgtcttggg gcccacccac 120720

ccgacgcgtc atatgcaaat gaaaatcggt cccccgaggc cacgtgtagc ctggatccca 120780

acgaccccgc ccatgggtcc caattggccg tcccgttacc aagaccaacc cagccagcat 120840

atccaccccc gcccgggtcc ccgcggaagc ggaacggtgt atgtgatatg ctaattaaat 120900

acatgccacg tacttatggt gtctgattgg tccttgtctg tgccggaggt ggggcggggg 120960

ccccgcccgg ggggcggaac gaggaggggt ttgggagagc cggccccggc accacgggta 121020

taaggacatc caccacccgg ccggtggtgg tgtgcagccg tgttccaacc acggtcacgc 121080

ttcggtgcct ctccccgatt cgggcccggt cgctcgctac cggtgcgcca ccaccagagg 121140

ccatatccga caccccagcc ccgacggcag ccgacagccc ggtcatggcg actgacattg 121200

atatgctaat tgacctcggc ctggacctct ccgacagcga tctggacgag gacccacccg 121260

agccggcgga gagccgccgc gacgacctgg aatcggacag cagcggggag tgttcctcgt 121320

cggacgagga catggaagac ccccacggag aggacggacc ggagccgata ctcgacgccg 121380

ctcgcccggc ggtccgcccg tctcgtccag aagaccccgg cgtacccagc acccagacgc 121440

ctcgtccgac ggagcggcag ggccccaacg atcctcaacc agcgccccac agtgtgtggt 121500

cgcgcctcgg ggcccggcga ccgtcttgct cccccgagca gcacgggggc aaggtggccc 121560

gcctccaacc cccaccgacc aaagcccagc ctgcccgcgg cggacgccgc gggcgtcgca 121620

ggggtcgggg tcgcggtggt cccggggccg ccgatggttt gtcggacccc cgccggcgtg 121680

cccccagaac caatcgcaac ccgggggggac cccgccccgg ggcggggtgg acggacggcc 121740

ccggcgcccc ccatggcgag gcgtggcgcg gaagtgagca gcccgaccca cccggaggcc 121800

cgcggacacg gggcgtgcgc caagcacccc ccccgctaat gacgctggcg attgcccccc 121860

cgcccgcgga cccccgcgcc ccggccccgg agcgaaaggc gcccgccgcc gacaccatcg 121920

acgccaccac gcggttggtc ctgcgctcca tctccgagcg cgcggcggtc gaccgcatca 121980

gcgagagctt tggccgcagc gcacaggtca tgcacgaccc ctttgggggg cagccgtttc 122040

ccgccgcgaa tagcccctgg gccccggtgt tggcgggcca aggagggccc tttgacgccg 122100

agaccagacg ggtctcctgg gaaaccttgg tcgcccacgg cccgagcctc tatcgcactt 122160

ttgccggcaa tcctcgggcc gcatcgaccg ccaaggccat gcgcgactgc gtgctgcgcc 122220

aagaaaattt catcgaggcg ctggcctccg ccgacgagac gctggcgtgg tgcaagatgt 122280

gcatccacca caacctgccg ctgcgccccc aggaccccat tatcgggacg gccgcggctg 122340

tgctggataa cctcgccacg cgcctgcggc cctttctcca gtgctacctg aaggcgcgag 122400

gcctgtgcgg cctggacgaa ctgtgttcgc ggcggcgtct ggcggacatt aaggacattg 122460

catccttcgt gtttgtcatt ctggccaggc tcgccaaccg cgtcgagcgt ggcgtcgcgg 122520

agatcgacta cgcgaccctt ggtgtcgggg tcggagagaa gatgcatttc tacctccccg 122580

gggcctgcat ggcgggcctg atcgaaatcc tagacacaca ccgccaggag tgttcgagtc 122640

gtgtctgcga gttgacggcc agtcacatcg tcgccccccc gtacgtgcac ggcaaatatt 122700

tttattgcaa ctccctgttt taggtacaat aaaaacaaaa catttcaaac aaatcgcccc 122760

acgtgttgtc cttctttgct catggccggc ggggcgtggg tcacggcaga tggcgggggt 122820

gggcccggcg tacggcctgg gtgggcggag ggaactaacc caacgtataa atccgtcccc 122880

gctccaaggc cggtgtcata gtgcccttag gagcttcccg cccgggcgca tccccccttt 122940

tgcactatga cagcgacccc cctcaccaac ctgttcttac gggccccgga cataacccac 123000

gtggcccccc cttactgcct caacgccacc tggcaggccg aaacggccat gcacaccagc 123060

aaaacggact ccgcttgcgt ggccgtgcgg agttacctgg tccgcgcctc ctgtgagacc 123120

agcggcacaa tccactgctt tttctttgcg gtatacaagg acacccacca cacccctccg 123180

ctgattaccg agctccgcaa ctttgcggac ctggttaacc acccgccggt cctacgcgaa 123240

ctggaggata agcgcggggt gcggctgcgg tgtgcgcggc cgtttagcgt cgggacgatt 123300

aaggacgtct ctgggtccgg cgcgtcctcg gcgggagagt acacgataaa cgggatcgtg 123360

taccactgcc actgtcggta tccgttctca aaaacatgct ggatgggggc ctccgcggcc 123420

ctacagcacc tgcgctccat cagctccagc ggcatggccg cccgcgcggc agagcatcga 123480

cgcgtcaaga ttaaaattaa ggcgtgatct ccaacccccc catgaatgtg tgtaaccccc 123540

caaaaaaata aacagccgta acccaatcaa accaggcgtg gtgtgagttt gtggacccaa 123600

agccctcaga gacaacgcga caggccagta tggaccgtga tacttttatt tattaactca 123660

caggggcgct taccgccaca ggaataccag aataatgacc accactatcg cgaccacccc 123720

aaatacagca tggcgcccca ccacgccaca acagccctgt cgccggtatg gggcatgatc 123780

agacgagccg cgagccgcgc gttgggccct gtacagctcg cgcgaattga ccctaggagg 123840

ccgccacgcg cccgagtttt gcgttcgtcg ctggtcgtcg ggcgccaaag ccccggacgg 123900

ctgttcggtc gaacgaacgg ccacgacagt ggcataggtt ggggggtggt ccgacatagc 123960

ctcggcgtac gtcgggaggc ccgacaagag gtcccttgag atgtcgggtg gggccacaag 124020

cctggtttcc ggaagaaaca ggggggttgc caataacccg ccagggccaa aactccggcg 124080

ctgcgcacgt cgttcggcgc ggcgccgggc gcgccgagcg gctcgctggg cggcttggcg 124140

tgagcggccc cgctccgacg cctcgccctc tccggaggag gttggcggaa ttggcacgga 124200

cgacaggggc ccagcagagt acggtggagg tgggtccgtg ggggtgtcca gatcaataac 124260

gacaaacggc ccctcgttcc taccagacaa gctatcgtag gggggcgggg gatcagcaaa 124320

cgcgttcccc gcgctccata gacccgcgtc gggttgcgcc gcctccgaag ccatggatgc 124380

gccccaaagc cacgactccc gcgcgctagg tccttggggt aagggaaaag gccctactcc 124440

ccatccaagc cagccaagtt aacgggctac gccttcgggg atgggactgg caccccggcg 124500

gattttgttg ggctggtacg cgttgcccaa ccgagggccg cgtccacggg acgcgccttt 124560

tataaccccg ggggtcattc ccaacgatca catgcaatct aactggctcc cctctccccc 124620

cctctccccc ctcccccccc ctcccctctc cccccctctc ccctctcccc ccctctcccc 124680

tctccccccc tctcccctct ccccccctct cccctctccc cccctctccc ctctcccccc 124740

ctctcccctc tccccccctc tcccctctcc ccccctctcc cctctccccc cctgctcttt 124800

ccccgtgaca cccgacgctg gggggcgtgg ctgccgggag gggccgcgga tgggcggggc 124860

ctactcggtc tcccgccccc gcccccgaac cgccccgccg gccttgcccc cctttgatcc 124920

cctgctaccc ccaacccgtg ctcgtggtgc gggttgggtg gggggggggga gtgtgggcgg 124980

gggtgtgcgg gaggtgtcgg tggtggtggt ggtggtagga atggtggtga gggggggggg 125040

cgctggttgg tcaaaaaagg gagggacggg ggccggcaga ccgacggcga caacgctccc 125100

cggcggccgg gtcgcggctc ttacgagcgg cccggcccgc gctcccaccc cccgggccgt 125160

gtccttgctt tccccccgtc tccccccccc tccttctcct cctcctcctc ctcgtttttc 125220

caaaccccgc ccacccggcc cggcccggcc cggccaccgc cgcccaccca cccacctcgg 125280

gagacccagc cccggtcccc cgttccccgg gggccgttat ctccagcgcc ccgtccggcg 125340

cgccgccccc cgccgctaaa ccccatcccg cccccgggac cccacatata agcccccagc 125400

cacacgcaag aacagacacg cagaacggct gtgtttattt aaataaaccg atgtcggaat 125460

aaacaaacac aaacacccgc gacgggggga cggagggagg ggggtgacgg gggacgggaa 125520

cagccacaaa aaacacccac aaaaaaaaac agccaccccc gacacccccc cccaccccca 125580

gtctcttcgc cttttccccc ccaccccacg cccccactga gcccggtcga tcgacgagca 125640

cccccgcccc cgcccctgcc ccggcgaccc ccggcccgca cgatcccgac aacaataaca 125700

accccaacgg aaagcggcgg ggtgtggggg ggggcgagga acaaccgagg ggaacggggg 125760

atggaaggac gggaagtgga agtcctgata cccatcctac acccccctgc cttccaccct 125820

ccggcccccc gcgagtccac ccgccggccg gctaccgaga ccgaacacgg cggccgccgc 125880

agccgccgca gccgccgccg acaccgcaga gccggcgcgc gcacacacaa gcggcagagg 125940

cagaaaggcc cagagtcatt gtttatgtgg ccgcgggcca gcagacggcc cgcgacaccc 126000

ccccccccgc ccgtgtgggt atccggcccc ccgccccgcg ccggtccatt aagggcgcgc 126060

gtgcccgcga gatatcaatc cgttaagtgc tctgcagaca ggggcaccgc gcccggaaat 126120

ccattaggcc gcagacgagg aaaataaaat tacatcacct acccacgtgg tgctgtggcc 126180

tgtttttgct gcgtcatctg agcctttata aaagcggggg cgcggccgtg ccgatcgcgg 126240

gtggtgcgaa agactttccg ggcgcgtccg ggtgccgcgg ctctccgggc ccccctgcag 126300

ccggggcggc caaggggcgt cggcgacatc ctccccctaa gcgccggccg gccgctggtc 126360

tgtttttttgt tttccccgtt tcgggggtgg gggggttgc ggtttctgtt tctttaaccc 126420

gtctggggtg tttttcgttc cgtcgccgga atgtttcgtt cgtctgtccc ctcacggggc 126480

gaaggccgcg tacggcccgg gacgaggggg cccccgaccg cggcggtccg ggccccgtcc 126540

gggcccgctc gccggcacgc gacgcgaaaa aggcccccg gaggcttttc cgggttcccg 126600

gcccggggcc tgagataaac aatcggggtt accgccaacg gccggccccc gtggcggccc 126660

ggcccggggc cccggcggac ccaaggggcc ccggcccggg gccccacaac ggcccggcgc 126720

atgcgctgtg gtttttttt ctcggtgttt tgtcgggctc cgtcgccttt cctgttctcg 126780

cttctccccc ccccccccttc ttcaccccca gtaccctcct ccctcccttc ctcccccgtt 126840

atcccactcg tcaagggcgc cccggtgtgg ttcaacaaag acgccgcgtt tccaggtagg 126900

ttagacacct gcttctcccc aatagagggg ggggacccaa acgacagggg gcgccccaga 126960

ggctaaggtc ggccacgcca ctcgcgggtg ggctcgtgtt acagcacacc agcccgttct 127020

tttccccccc tcccaccctt agtcagactc tgttacttac ccgtccgacc accaactgcc 127080

cccttatcta agggccggct ggaagaccgc caggggggtcg gccggtgtcg ctgtaacccc 127140

ccacgccaat gacccacgta ctccaagaag gcatgtgtcc caccccgcct gtgtttttgt 127200

gcctggctct ctatgcttgg gtcttactgc cgggggggggg ggagtgcggg ggaggggggg 127260

tgtggaagga aatgcacggc gcgtgtgtac ccccccctaaa gttgttccta aagcgaggat 127320

atggaggagt ggcgggtgcc gggggaccgg ggtgatctct ggcacgcggg ggtgggaagg 127380

gtcgggggag gggggatggg gtaccggccc acctggccga cgcgggtgcg cgtgcctctg 127440

cacaccaacc ccacgtcccc cggcggtctc taagaagcac cgccccccct ccttcatacc 127500

accgagcatg cctgggtgtg ggttggtaac caacacgccc atcccctcgt ctcctgtgat 127560

tctctggctg caccgcattc ttgttttcta actatgttcc tgtttctgtc tccccccca 127620

cccctccgcc ccacccccca acacccacgt ctgtggtgtg gccgaccccc ttttgggcgc 127680

cccgtcccgc cccgccaccc ctcccgtcct ttgttgccct atagtgtagt taacccccc 127740

ccgccctttg tggcggccag aggccaggtc agtccgggcg ggcaggcgct cgcggaaact 127800

taacacccac acccaaccca ctgtggttct ggctccatgc cagtggcagg atgctttcgg 127860

ggatcggtgg tcaggcagcc cgggccgcgg ctctgtggtt aacaccagag cctgcccaac 127920

atggcacccc cactcccacg cacccccact cccacgcacc cccactccca cgcaccccca 127980

ctcccacgca cccccactcc cacgcacccc cactcccacg cacccccact cccacgcacc 128040

cccactccca cgcaccccca ctcccacgca cccccgagat ccatccaaca cagacaggga 128100

aaagatacaa aagtaaacct ttatttccca atagacagca aaaatcccct gagtttttta 128160

ttagggccaa cactaaagac ccgctggtgt gtggtgcccg tgtctttcac ttttcccctc 128220

cccgacacgg attggctggt gtagtgggcg cggccagaga ccacccagcg cccgaccccc 128280

ccctccccac aaacacgggg ggcgtccctt attgttttcc ctcgtcccgg gtcgacgccc 128340

cctgctcccc ggaccacggg tgccgagacc gcaggctgcg gaagtccagg gcgcccacta 128400

gggtgccctg gtcgaacagc atgttcccca cgggggtcat ccagaggctg ttccactccg 128460

acgcgggggc cgtcgggtac tcgggggggca tcacgtggtt acccgcggtc tcggggagca 128520

gggtgcggcg gctccagccg gggaccgcgg cccgcagccg ggtcgccatg tttcccgtct 128580

ggtccaccag gaccacgtac gccccgatgt tccccgtctc catgtccagg atgggcaggc 128640

agtcccccgt gatcgtcttg ttcacgtaag gcgacagggc gaccacgcta gagacccccg 128700

agatgggcag gtagcgcgtg aggccgcccg cgggggcggc cccggaagtc tccgcgtggc 128760

gcgtcttccg ggcacacttc ctcggccccc gcggcccaga agcagcgcgg gggccgaggg 128820

aggtttcctc ttgtctccct cccagggcac cgacggcccc gcccgaggag gcggaagcgg 128880

aggaggacgc ggccccggcg gcggaagagg cggcccccgc gggagtcggg gccgaggagg 128940

aagaggcaga ggaggaagag gcggaggccg ccgaggacgt caggggggtc ccgggcccac 129000

cctggccgcg ccccccggc cctgagtcgg agggggggtg cgtcgccgcc ctcttggccc 129060

ctgccggcgc gaggggggga cgcgtggact ggggggaggg gttttcctgg cccgacccgc 129120

gcctcttcct cggacgcacc gccgcctcct gctcgacaga ggcggcggag gggagcgggg 129180

gggcgccgga gggggcggcg ccgcgggagg gcccgtgtcc accctccacg cccggccccc 129240

ccgagccgcg cgccaccgtc gcacgcgccc ggcacagact ctgttcttgg ttcgcggcct 129300

gagccaggga cgagtgcgac tggggcacac ggcgcgcgtc cgcgggggcc ggggcgcggg 129360

ggccgggccc cggaggcggc gctcgcacgc acggggccac ggccgcgcgg gggcgcgcgg 129420

gtcccgacgc ggccgaggac gcggtgggcc cggggcgggg ggcggagcct ggcatgggcg 129480

ccgcgggggg cctgtgggga gaggccgggg gggagtcgct gatcactatg gggtctctgt 129540

tgtttgcaag gggggcgggt ctgttgacaa gggggcccgt ccggcccctc ggccgccccg 129600

cctccgcttc aacaacccca accccaaccc caaccccccc ggaggggcca gacgcccccc 129660

gcggcgccgc ggctcgcgac tggcgggagc cgccgccgcc gccgctgctg ttggtggtgg 129720

tgttggtgtt actgctgccg tgtggcccga tgggcgccga ggggggcgct gtccgagccg 129780

cggccggctg gggggctgcg tgagacgccc cgcccgtcac ggggggcgcg gcggcgcctc 129840

tgcgtggggg ggcgcggggc gtccggcggg gggcgggcgg tacgtagtct gctgcaagag 129900

acaacggggg gcgcgatcag gttacgcccc ctcccaggcc ctccctttcc gcgcccgccc 129960

tttcctcgcc cccccgcccg cctattcctc cctcccccct cctcctcctc ctcccccagg 130020

gtcctcgccg ccccccccgcc tcaccgtcgt ccaggtcgtc gtcatcctcg tccgtggtgg 130080

gctcagggtg ggtgggcgac agggccctca ccgtgtgccc ccccagggtc aggtaccgcg 130140

gggcgaaccg ctgattgccc gtccagataa agtccacggc cgtgcccgcc ctgacggcct 130200

cctcggcctc catgcgggtc tgggggtcgt tcacgatcgg gatggtgctg aacgacccgc 130260

tgggcgtcac gcccactatc aggtacacca gcttggcgtt gcacagcggg caggtgttgc 130320

gcaattgcat ccaggttttc atgcacggga tgcagaagcg gtgcatgcac gggaaggtgt 130380

cgcagcgcag gtggggcgcg atctcatccg tgcacacggc gcacacgtcg ccctcgtcgc 130440

tccccccgtc ctctcgaggg ggggcgcccc cgcaactgcc ggggtcttcc tcgcgggggg 130500

ggctcccccc cgagaccgcc cccccatcca cgccctgcgg ccccagcagc cccgtctcga 130560

acagttccgt gtccgtgctg tccgcctcgg aggcggagtc gtcgtcatgg tggtcggcgt 130620

ccccccgccc ccccacttcg gtctccgcct cagagtcgct gctgtccggc aggtctcggt 130680

cgcagggaaa cacccagaca tccggggcgg gctaagggga aaaaaagggg ggcgggtaag 130740

aatgggggga tttcccgcgt caatcagcgc ccacgagttc cccctctccc ccccccccgcc 130800

tcacaaagtc ctgcccccct gctggcctcg gaagaggggg gagaaagggg tctgcaacca 130860

aaggtggtct gggtccgtcc tttggatccc gacccctctt cttccctctt ctcccgccct 130920

ccagacgcac cggagtcggg ggtcccacgg cgtcccccaa atatggcggg cggctcctcc 130980

ccacccccct agatgcgtgt gagtaagggg gccctgcgta tgagtcagtg gggaccacgc 131040

cccctaacac ggcgaccccg gtccctgtgt gtttgttgtg ggggcgtgtc tctgtgtatg 131100

agtcaggggg tcccacggcg accccgggcc ctgcgtctga gtcaaagggg ccatgtgtat 131160

gtgttggggg gtctgtatat ataaagtcag ggggtcacat ggcgaccccc aacagggcga 131220

ccccggtccc tgtatatata gggtcagggg gttccgcgcc ccctaacatg gcgcccccgg 131280

tccctgtata tatagtgtca cggggttcca cgccccctaa catggcgccc ggctcccgtg 131340

tatgagtggg ggtcccccaa catggcggcc ggttccagtg taagggtcgg gggtccccca 131400

acatggcgcc ccccaatatg gcgcccccca atatggcgcc ccagacatgg cgcccggccc 131460

ctcacctcgc gctgggggcg gccctcaggc cggcgggtac tcgctccggg gcggggctcc 131520

atgggggtcg tatgcggttg gagggtcgcg gacggagggt ccctgggggt cgcaacgtag 131580

gcggggcttc tgtggtgatg cggagagggg gcggcccgag tctgcctggc tgctgcgtct 131640

cgctccgagt gccgaggtgc aaatgcgacc agactgtcgg gccagggcta acttataccc 131700

cacgcctttc ccctccccaa aggggcggca gtgacgattc ccccaatggc cgcgcgtccc 131760

aggggaggca ggcccaccgc ggggcggccc cgtccccggg gaccaacccg gcgcccccaa 131820

agaatatcat tagcatgcac ggcccggccc ccgatttggg ggaccaaccc ggtgtccccc 131880

aaagaacccc attagcatgc ccctcccacc gacgcaacag gggcttggcc tgcgtcggtg 131940

ccccggggct tcccgccttc ccgaagaaac tcattaccat acccggaacc ccaggggacc 132000

aatgcgggtt cattgagcga cccgcgggcc aatgcgcgag gggccgtgtg ttccgccaaa 132060

aaagcaatta gcataacccg gaaccccagg ggagtggtta cgcgcggcgc gggaggcggg 132120

gaataccggg gttgcccatt aagggccgcg ggaattgccg gaagcgggaa gggcggccgg 132180

ggccgcccat taatgagttt ctaattacca taccgggaag cggaacaagg cctcttgcaa 132240

gtttttaatt accataccgg gaagtgggcg gcccggccca ttgggcggta actcccgccc 132300

aatgggccgg gccccgaaga ctcggcggac gctggttggc cgggccccgc cgcgctggcg 132360

gccgccgatt ggccagtccc gcccccgagg cggcccgccc tgtgagggcg ggctggctcc 132420

aagcgtatat atgcgcggct cctgccatcg tctctccgga tctagagatc tccggaatta 132480

attcgcccta tagtgagtcg gaattttaac cgccaccgcc agagccacct ccacctgacc 132540

cgccgcctcc tagatcttct tctgagatga gtttttgttc tgaattcccg ataggaatcc 132600

ccactgtgtt gacctggtcc ttgagtccca gcaggctgta ggcaatacgc ttctggtggc 132660

caggaagacg cactccgatc cttttgatgt cttcgttgga catctgtacc accttctcga 132720

tggccgtgta gccagccacc atgaagtgtt ccgtgtactg ttgcatcttg atgctctcca 132780

gccactcgga caccgtacgg aaggggactc cctccgagcc gctggtgctg ggcagccgga 132840

tggacactcg gggatcaaag tcagccagcg tcttgaggga gtcgggggct cggatgagct 132900

tgtccaggat gctaacgatg tcggcaaact tgggtcggcg ggagcgctct tgctgccagc 132960

actgcatcat gagctggtaa atggctgaag ggcagtccat gggcgtaggg agccggaagc 133020

cgtcgttgat ggctttcatg acctcgtggt ttgacagttc ccagtagggc cgttcgccat 133080

aagtcatcac ttcccacatg acaatgccgt agctccacac atcgctggct gaggtgaact 133140

tgcggtagga aatggcctct ggggctgtcc atcgaatagg gatcttgccg ccacttgtgg 133200

tgtaggtggc ctcggggtca tcttccagca cacgcgacag gccaaaatcg gacaccttgc 133260

acaccaggtt gctgttgacg aggatgttgc gggcggccag gtcccggtgc acgtagttca 133320

tgttggccag gtacttcatg ccggatgcga tacccctcag catgcccacc aactgaagta 133380

cactgaactc accatccttc tccctaagga acttgtctag cgctccattc tccatgtact 133440

ctgtgataat catcatgggt ttgtatttag agaccacgcc ctccaggcgg atgatattgt 133500

ggtggctaaa ctggcccatg atgctggcct cgctcaggaa gtccacccgc tgcttctcag 133560

tgtagcccgc tttcagtgtc ttgatggcca ccggtatctc cttcttcccc gaggatgcct 133620

tcagcgtccc tttatagacc tctccaaact ctcctgctcc aatgaccttc tgccttgcca 133680

cacaggatgg gtggatctcg gtggtaaact tgagtacagc ctggttgggg tcttcgtaag 133740

tgtgaggatc cacataggtc ttcaggggct ttagttgttc tgacttggaa aaacggacat 133800

cctcagagga ctggcgagcc cgcaggttcc tcctccttcg atggatgaag aggccaactc 133860

ctgccagtac cagaagcaaa acaacaccta cagccacacc gccgatcacc gccatgttgg 133920

cagatccttc cgtggacagt gtctggaact cgtgcacttt gctgccggct ccctggccct 133980

cctgcgtcag cgcctgcacc tgcaccaggt acgtggtatc cggagcaagg tcatccaggg 134040

tcacggagaa gccttccgtg cggcgcacat tatagctgtt ggcatccccc ttcttgcggt 134100

aggtgacttc gtacttccac acacggctct gctgtgacac cgggatgctc caggtgacac 134160

tcagggaggt ggtgcttcgg tcctccagcc tcactttggg gggctctgtt tggttaatac 134220

tgacgctggc agtccggaag cttcggctag tcaccaggcc tgagacacca ttgcgtgctt 134280

cgacagcgaa ggtatagttc atgtggggct ccaggtcact gactgtcaca ctcgtgcggg 134340

tcagggcgtg aggaggttct gaatagcgca cgctcgcctc acagggccca cactcgccag 134400

actctggcca gcactgttcg caagtgacac tgtagacaat gtcctggcgg ccaccagtgt 134460

ccttgggagc tgtccaacgc agttctactt tggcacccat gccaatggcc gtgaggtagt 134520

tgggggcaga gggtggacgt gtgcaagaca tggacagtgg gtcctcaggt gccctgaaat 134580

agccttcttc acactggcag gaggtggcac cctctgtgga tggcagggta tgctctggac 134640

actccaggca agggctctca gatgcctcag acttgaagaa tcctggagaa caggctcggc 134700

aggcatcctc gaccttctcg tagccttcct ggcacaggca ctgcccgatg ggcaccagcc 134760

actcgccatc caccgtgcag tgcatgagag gcccctcgcc cccataaggc accacggcat 134820

ggtccacgca ggtaccggcc accgtggcca ggggttgtgt atcggagaca gcgacagcaa 134880

tggtctcggg gaagcgagcc aagctctgca gcatctcggg acacttcttg tagtagacgc 134940

gaacggagag cagcgccacg caggcgccga tgtcctggaa ggccaggtag aagcccttcc 135000

gggtaagggg ccccaccatg cgctcctcta cgttcagctt gacattgcga gcctcgaagt 135060

cactgctgac cgtgatctcg tcaggggcga tggtgtcaat cttggtgaac tggcgcttct 135120

ggaagttggt gccatagtcc acatctgact ctgcatagta gaggttgaag gtctctttgc 135180

atgagctggc gccacccggg aagctgttac agtctcgcac cgtgaacttg agctcaataa 135240

agatgcgctc ggcctcctcc cggtacaccc agttggtgcg gagccagttg tcctggtcgc 135300

cggataccac gttgcacacc gagtacatgt agataggcat gtcgtccatg atgttctgca 135360

tcaggtccca ccctttgcca taggggtgcg tgagccagcc gagctctccc ttcattgctg 135420

cgaagtccaa caaaacaact tcctttccct gtgccgccgc ggccgccagc gcgcaacccc 135480

acagcagcgc caggcagaaa ccgactgccc ggagctccat ggtcgacccg ggatccggta 135540

ccactttgtg cggccagctt cctaggagat cctctagcta gagtcggtgt cttctatgga 135600

ggtcaaaaca gcgtggatgg cgtctccagg cgatctgacg gttcactaaa ccagctctgc 135660

ttatatagag ctcggggagc agaagcgcgc gaacagaagc gagaagcgaa ctgattggtt 135720

agttcaaata aggcacaggg tcatttcagg tccttggggc accctggaaa catctgatgg 135780

ttctctagaa actgctgagg gcgggaccgc atctggggac catctgttct tggccctgag 135840

cggggcagga actgcttacc acagatatcc tgtttggccc atattctcct gttccaactg 135900

ttcttggccc tgagcggggc aggaactgct taccacagat atcctgtttg gcccatattc 135960

tcctgtttct ctgttcctga ccttgatcct agcttgccaa acctacaggt ggggtctttc 136020

attcccatag gcggttacct gggactgtgc ggttgggacg gcgcccgtgg gcccgggcgg 136080

ccgggggcgg cgggggccgc gatggcggcg gcggcgggcc atggagacag agagcgtgcc 136140

ggggtggtag agtttgacag gcaagcatgt gcgtgcagag gcgagtagtg cttgcctgtc 136200

taactcgctc gtctcggccg cgggggggccc gggctgcgcc gccgcgcttt aaagggccgc 136260

gcgcgacccc cgggggggtgt gtttcggggg gggcccgttt tccgctcctc cccccgctcc 136320

tccccccgct cctcccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc 136380

tccccccgct cctcccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc 136440

tccccccgct cctcccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc 136500

tccccccgct cctcccccccg ctccccaacg cccgccgcgc gcgcgcacgc cgcccggacc 136560

gccgcccgcc ttttttgcgc gccgccccgc ccgcgggggg cccgggctgc cacaggtgta 136620

acaacaccaa cagaacacca acagcacggc gcaccggcga ctccggttcc tcatccacac 136680

gtcacacgtc acgtcatcca ccacacctgc ccaccaacac aactcacagc gacaactcac 136740

cgcgcaacaa ctcctgttcc tcatccacac gtcaccgcgc acccccccgct cctccagacg 136800

tcccccagcg caacacgccg ctcctgtcac acaccaccgc cccagccctc cccagcccca 136860

gccctcccca gccccagccc tccccggccc cagccctccc cggccccagc cctccccggc 136920

cccagccctc cccggcccca gccctccccg gccccagccc tccccggccc cagccctccc 136980

cggccgcgtc ccgcgctccc tcgggggggt tcgggcatct ctacctcagt gccgccaatc 137040

tcaggtcaga gatccaaacc ctccgggggc gcccgcgcac caccaccgcc cctcgccccc 137100

tcccgccccct cgccccctcc cgccccctcgc cccctcccgc ccctcgcccc ctcccgcccc 137160

tcgccccctc ccgccccctcg ccccctcccg cccctcgccc cctcccgccc ctcgcccccct 137220

cccgccccctc gccccctccc gcccctcgcc ccctcccgcc cctcgccccc tcccgccccct 137280

cgccccctcc cgccccctcgc cccctcccgc ccctcgcccc ctcccgcccc tcgccccctc 137340

ccgccccctcg ccccctcccg cccctcgccc cctcccgccc ctcgcccccct cccgccccctc 137400

gccccctccc gcccctcgaa ataaacaacg ctactgcaaa actaaatcag gtcgttgtcg 137460

tttattgcgt cttcgggttt cgcaagcgcc ccgccccgtc ccggcccgtt acagcacccc 137520

gtccccctcg aacgcgccgc cgtcgtcgtc gtcccaggcg ccttcccagt ccacaacttc 137580

ccgtcgcggg ggcgtggcca agcccgcctc cgcccccagc acctccacgg cccccgccgc 137640

cgccagcacg gtgccgctgc ggcccgtggc cgaggcccag cgaatcccgg gcaacgccgg 137700

cggcagggcc cccgggccgt cgtcgtcgtc gtcgccgccg cgcagcacca gcgggggggc 137760

gtcgtcgtcg ggctccagca gggcgcgggc gcaaaagtcc ctccgcggcc cgcgccaccg 137820

ggccgggccg gcgcgcaccg cctcgcgccc cagcgccacg tacacgggcc gcagcggcgc 137880

gcccaggccc cagcgcgcgc aggcgcggtg cgagtgggcc tcctcctcgc agaagtccgg 137940

cgcgccgggc gccatggcgt cggtggtccc cgaggccgcc gcccggccgt ccagcgccgg 138000

cagcacggcc cggcggtact cgcgcgggga catgggcacc ggcgtgtccg ggccgaagcg 138060

cgtgcgcacg cggtagcgca cgttgccgcc gcggcacagg cgcagcggcg gcgcgtcggg 138120

gtacaggcgc gcgtgcgcgg cctccacgcg cgcgaagacc cccgggccga acacgcggcc 138180

cggggccagc accgtgcggc gcaggtcccg cgccgccggc cagcgcacgg cgcactgcac 138240

ggcgggcagc aggtcgcacg ccaggtaggc gtgctgccgc gacaccgcgg gcccgtcggc 138300

gggccagtcg caggcgcgca cggtgttgac cacgatgagc cgccggtcgc cggcgctggc 138360

gagcagcccc agaaactcca cggccccggc gaaggccagg tcccgcgtgg acagcagcag 138420

cacgccctgc gcgcccagcg ccgacacgtc gggggcgccg gtccagttgc ccgcccaggc 138480

ggccgtgtcc ggcccgcaca gccggttggc cagggccgcc agcaggcagg acagcccgcc 138540

gcgctcggcg gaccactccg gcggcccccc cgaggccccg ccgccggcca ggtcctcgcc 138600

cggcagcggc gagtacagca ccaccacgcg cacgtcctcg gggtcgggga tctggcgcat 138660

ccaggccgcc atgcggcgca gcgggcccga ggcgcgcagg gggccaaaga ggcggccccc 138720

ggcggccccg tgggggtggg ggttatcgtc gtcgtcgccg ccgccgcacg cggcctgggc 138780

ggcggcggcg ggcccggcgc accgcgcggc gatcgaggcc agggcccgcg ggtcaaacat 138840

gagggccggt cgccagggga cggggaacag cgggtggtcc gtgagctcgg ccacggcgcg 138900

cggggagcag taggcctcca gggcggcggc cgcgggcgcc gccgtgtggc tgggccccgg 138960

gggctgccgc cgccagccgc ccaggggtc ggggccctcg gcgggccggc gcgacagcgc 139020

cacggggcgc gggcgggcct gcgccgcggc ggcccggggc gccgcgggct gggcgggggc 139080

gggctcgggc cccgggggcg tggagggggg cgcggggagg ggggcgcggg cgtccgagcc 139140

gggggcgtcc gcgccgctct tcttcgtctt cgggggtcgc gggccgccgc ctccgggcgg 139200

ccgggccggg ccgggactct tgcgcttgcg cccctcccgc ggcgcggcgg aggcggcggc 139260

ggccgccagc gcgtcggcgg cgtccggtgc gctggcggcc gccgccagca gggggcgcag 139320

gctctggttc tcaaacagca ggtccgcggc ggcggcggcc gcggagctcg gcaggcgcgg 139380

gtcccgcggc agcgcggggc ccagggcccc ggcgaccagg ctcacggcgc gcacggcggc 139440

cacggcggcc tcgctgccgc cggccacgcg caggtccccg cgcaggcgca tgagcaccag 139500

cgcgtcgcgc acgaaccgca gctcgcgcag ccacgcgcgc aggcggggcg cgtcggcgtg 139560

cggcggcggc ggggaagcgg ggcccgcggg tccctccggc cgcggggggc tggcgggccg 139620

ggccccggcc agccccggga cggccgccag gtcgccgtcg aagccctcgg ccagcgcctc 139680

caggatcccg cggcaggcgg ccaggcactc cacggccacg cggccggcct gggcgcggcg 139740

cccggcgtcg tcgtcggcgt cggcgtggcg ggcggcgtcg gggtcgtcgc cccccgcggg 139800

ggaggcgggc gcggcggaca gccgccccag ggcggcgagg atccccgcgg cgccgtaccc 139860

ggcgggcacc gcgcgctcgc ccggtgcggc ggcggcggcg acgacggcgg cggcgacccc 139920

ctcgtcatct gcgccggcgc cggggctccc cgcggccccc gtcagcgccg cgttctcgcg 139980

cgccaacagg ggcgcgtagg cgcggcgcag gctggtcagc aggaagccct tctgcgcgcg 140040

gtcgtatcgg cggctcatgg ccacggcggc cgccgcgtgc gccaggcccc agccgaagcg 140100

gccggccgcc atggcgtagc ccaggtgggg cacggcccgc gccacgctgc cggtgatgaa 140160

ggagctgctg ttgcgcgcgg cgcccgagat ccggaagcag gcctggtcca gcgccacgtc 140220

cccggggacc acgcgcgggt tctggagcca ccccatggcc tccgcgtccg gggtgtacag 140280

cagccgcgtg atcagggcgt actgctgcgc ggcgtcgccc agctcgggcg cccacacggc 140340

cgccggggcg cccgaggcct cgaaccggcg tcgcgcctcc tccgcctcgg gcgccccccа 140400

gaggcccggg cggctgtcgc ccaggccgcc gtacagcacc cgccccgggg gcgggggccc 140460

ggcgccgggc cacggctccc cgctgacgta cccgtcgcga tagcgcgcgt agaaggcgcc 140520

ggaggccgcg tcggcgtcca gctcgacccg ccggggctgc ccggccgtga agcggcccgt 140580

ggcgtcgcgg ccggccaccg ccgcgcgggc ccggcggcgc tcgatgcggc ccgcggaggc 140640

cgcgggggtc ctcgccgccg cccggggctt gggcgcggcc tcggagaggg ggggtggccc 140700

gggcgggggc ggcgtccgcc cgggggcttc cggcgccgcg ctcgacggac cccgcccgac 140760

ggcccgcgcc tcgcgtgcgc ggtcggccgc gtcgttgccg tcgtcgtcct cgtcctcgtc 140820

ggacgacgag gacgaagagg atgcggacga cgaggacgag gacccggagt ccgacgaggt 140880

cgatgacgcc gatggccgcc gccggccgtg acgacgtctc cgcggcggct gggccggcgg 140940

gcgcggcgac aggcggtccg tggggtccgg atacgcgccg cgtagcgggg cctcccgtgc 141000

gcggccccgg gccggggccc ggtcgccggc ggcgtcggct gcgtcgtcgt actcgtcccc 141060

gtcatcgtcg tcggctcgaa aggcgggggt ccggggcggc gaggccgcgg ggtcgggcgt 141120

cgggatcgtc cggacggcct cctctaccat ggaggccagc agggccagct gtcgcggcga 141180

gacggcgtcc ccggcgtcct cgccggcgtc ggtgcccgcc gcgggggccc tcccgtcccg 141240

ccgggcgtcg tcgaggtcgt gggggtggtc ggggtcgtgg tcggggtcgt ccccgccctc 141300

ctccgtctcc gcgccccacc cgagggcccc ccgctcgtcg cggtctgggc tcggggtggg 141360

cggcggcccg tcggtggggc ccggggagcc ggggcgctgc ttgttctccg acgccatcgc 141420

cgatgcgggg cgatcctccg gggatacggc tgcgacggcg gacgtagcac ggtaggtcac 141480

ctacggactc tcgatgggga gggggcgaga cccacggacc ccgacgaccc ccgccgtcga 141540

cgcggaacta gcgcggaccg gtcgatgctt gggtgggaaa aaggacaggg acggccgatc 141600

cccctcccgc gcttcgtccg cgtatcggcg tcccggcgcg gcgagcgtct gacggtctgt 141660

ctctggcggt cccgcgtcgg gtcgtggatc cgtgtcggca gccgcgctcc gtgtggacga 141720

tcggggcgtc ctcgggctca tatagtccca ggggccggcg ggaaggagga gcagcggagg 141780

ccgccggccc cccgcccccc aggcgggccc gccccgaacg gaattccatt atgcacgacc 141840

ccgccccgac gccggcacgc cgggggcccg tggccgcggc ccgttggtcg aacccccggc 141900

cccgcccatc cgcgccatct gccatgggcg gggcgcgagg gcgggtgggc ccgcgccccg 141960

ccccgcatgg catctcatta ccgcccgatc cggtggtttc cgcttccgtt ccgcatgcta 142020

acgaggaacg ggccgggggc ggggcccggg ccccgacttc ccggttcggc ggtaatgaga 142080

tacgagcccc gcgcgcccgt tggccgtccc cgggcccccg gtcccgcccg ccggacgttg 142140

ggaccaacgg gacggcgggc ggcccaaggg ccgcccgcct tgccgccccc ccattggccg 142200

gcgggcggga ccgccccaag ggggcggggc cgccgggtaa aagaagtgag aacgcgaagc 142260

gttcgcactt cgtcccaata tatatatatt attagggcga agtgcgagca ctggcgccgt 142320

gcccgactcc gcgccggccc cgggggcggg cccgggcggc gggggggcggg tctctccggc 142380

gcacataaag gcccggcgcg accgacgccc gcagacggcg ccggccacga acgacgggag 142440

cggctgcgga gcacgcggac cgggagcggg actcgcagag ggccgtcgga gcggacggcg 142500

tcggcatcgc gacgccccgg ctcgggatcg ggatcgcatc ggaaagggac acgcggaaag 142560

acccacccac cccacccacg aaacacaggg gacgcacccc gggggcctcc gacgacagaa 142620

acccaccggt ccgcctttgt gcacgggtaa gcaccttggg tgggcggagg agggggggac 142680

gcgggggcgg aggaggggg acgcgggggc ggaggagggg ggacgcgggg gcggaggagg 142740

ggggacgcgg gggcggagga gggggggacgc gggggcggag gagggggctc acccgcgttc 142800

gtgccttccc gcaggaggaa cgtcctcgtc gaggcgaccg gcggcgaccg ttgcgtggac 142860

cgcttcctgc tcgtcgggcg gggggaagcc actgtggtcc tccgggacgt tttctggatg 142920

gccgacattt ccccaggcgc ttttgcgcct tgtgtaaaag cgcggcgtcc cgctctccga 142980

tccccgcccc tgggcacgcg caagcgcaag cgcccttccc gccccctctc atcggagtct 143040

gaggtagaat ccgatacagc cttggagtct gaggtcgaat ccgagacagc atcggattcg 143100

accgagtctg gggaccagga tgaagccccc cgcatcggtg gccgtagggc cccccggagg 143160

cttgggggggc ggtttttttct ggacatgtcg gcggaatcca ccacggggac ggaaacggat 143220

gcgtcggtgt cggacgaccc cgacgacacg tccgactggt cttatgacga cattccccca 143280

cgacccaagc gggcccgggt aaacctgcgg ctcacgagct ctcccgatcg gcgggatggg 143340

gttatttttc ctaagatggg gcgggtccgg tctacccggg aaacgcagcc ccgggccccc 143400

accccgtcgg ccccaagccc aaatgcaatg ctacggcgct cggtgcgcca ggcccagagg 143460

cggagcagcg cacgatggac ccccgacctg ggctacatgc gccagtgtat caatcagctg 143520

tttcgggtcc tgcgggtcgc ccgggacccc cacggcagtg ccaaccgcct gcgccacctg 143580

atacgcgact gttacctgat gggatactgc cgagcccgtc tggccccgcg cacgtggtgc 143640

cgtttgctgc aggtgtccgg cggaacctgg ggcatgcacc tgcgcaacac catacgggag 143700

gtggaggctc gattcgacgc caccgcggaa cccgtgtgca agcttccttg tttggagacc 143760

agacggtacg gcccggagtg tgatcttagt aatctcgaga ttcatctcag cgcgacaagc 143820

gatgatgaaa tctccgatgc caccgatctg gaggccgccg gttcggacca cacgctcgcg 143880

tcccagtccg acacggagga tgccccctcc cccgttacgc tggaaacccc agaaccccgc 143940

gggtccctcg ctgtgcgtct ggaggatgag tttggggagt ttgactggac cccccaggag 144000

ggctcccagc cctggctgtc tgcggtcgtg gccgatacca gctccgtgga acgcccgggc 144060

ccatccgatt ctggggcggg tcgcgccgca gaagaccgca agtgtctgga cggctgccgg 144120

aaaatgcgct tctccaccgc ctgcccctat ccgtgcagcg acacgtttct ccggccgtga 144180

gtccggtcgc cccgaccccc ttgtatgtcc ccaaataaaa gaccaaaatc aaagcgtttg 144240

tcccagcgtc ttaatggcgg gaagggcgga gagaaacaga ccacgcgtac atgggggtg 144300

tttgggggtt tattgacatc ggggctacag ggtggtaacc ggatagcaga tgtgaggaag 144360

tctgggccgt tcgccgcgaa cggcgatcag agggtccgtt tcttgcggac cacggcccgg 144420

tgatgtgggt tgctcgtctg ggatctcggg catgcccata cacgcacaac acggacgccg 144480

caccggatgg gacgtcgtaa gggggcctgg ggtagctggg tggggtttgt gcagagcaat 144540

cagggaccgc agccagcgca tacaatcgcg ctcccgtccg tttgtcccgg gcagtaccac 144600

gccgtactgg tattcgtacc ggctgagcag ggtctccagg gggtggttgg gggccgcggg 144660

gaacggggtc cacgccacgg tccactcggg caaaaaccga gtcggcacgg cccacggttc 144720

tcccacccac gcgtctgggg tcttgatggc gataaatctt accccgagcc ggatttttg 144780

ggcgtattcg agaaacggca cacacagatc cgccgcgcct accacccaca agtggtagag 144840

gcgaggggggg ctgggttggt ctcggtgcag cagtcggaag cacgccacgg cgtccacgac 144900

ctcggtgctc tccaaggggc tgtcctccgc aaacaggccc gtggtggtgt ttgggggca 144960

gcgacaggac ctagtgcgca cgatcgggcg ggtgggtttg ggtaagtcca tcagcggctc 145020

ggccaaccgt cgaaggttgg ccggacgaac gacgaccggg gtacccaggg gttctgatgc 145080

caaaatgcgg cactgcctaa gcaggaagct ccacagggcc gggcttgcgt cgacggaagt 145140

ccggggcagg gcgttgttct ggtcaaggag ggtcattacg ttgacgacaa caacgcccat 145200

gttggtatat tacaggcccg tgtccgattt ggggcacttg cagatttgta aggccacgca 145260

cggcggggag acaggccgac gcgggggctg ctctaaaaat ttaagggccc tacggtccac 145320

agacccgcct tcccgggggg gcccttggag cgaccggcag cggaggcgtc cgggggaggg 145380

gagggtgatt tacgggggg taggtcaggg ggtgggtcgt caaactgccg ctccttaaaa 145440

ccccggggcc cgtcgttcgg ggtgctcgtt ggttggcact cacggtgcgg cgaatggcct 145500

gtcgtaagtt ttgtcgcgtt tacgggggac agggcaggag gaaggaggag gccgtcccgc 145560

cggagacaaa gccgtcccgg gtgtttcctc atggcccctt ttatacccca gccgaggacg 145620

cgtgcctgga ctccccgccc ccggagaccc ccaaaccttc ccacaccaca ccacccggcg 145680

atgccgagcg cctgtgtcat ctgcaggaga tcctggccca gatgtacgga aaccaggact 145740

accccataga ggacgacccc agcgcggatg ccgcggacga tgtcgacgag gacgccccgg 145800

acgacgtggc ctatccggag gaatacgcag aggagctttt tctgcccggg gacgcgcccg 145860

gtccccttat cggggccaac gaccacatcc ctcccccgtg tggcgcatct ccccccggta 145920

tacgacgacg cagccgggat gagattgggg ccacgggatt taccgcggaa gaactggacg 145980

ccatggacag ggaggcggct cgagccatca gccgcggcgg caagcccccc tcgaccatgg 146040

ccaagctggt gactggcatg ggctttacga tccacggagc gctcacccca ggatcggagg 146100

ggtgtgtctt tgacagcagc cacccagatt acccccaacg ggtaatcgtg aaggcggggt 146160

ggtacacgag cacgagccac gaggcgcgac tgctgaggcg actggaccac cccgcgatcc 146220

tgcccctcct ggacctgcat gtcgtctccg gggtcacgtg tctggtcctc cccaagtacc 146280

aggccgacct gtatacctat ctgagtaggc gcctgaaccc gctgggacgc ccgcagatcg 146340

cagcggtctc ccggcagctc ctaagcgccg ttgactacat tcaccgccag ggcattatcc 146400

accgcgacat taagaccgaa aatattttta ttaacacccc cgaggacatt tgcctggggg 146460

actttggtgc cgcgtgcttc gtgcagggtt cccgatcaag ccccttcccc tacggaatcg 146520

ccggaaccat cgacaccaac gcccccgagg tcctggccgg ggatccgtat accaccaccg 146580

tcgacatttg gagcgccggt ctggtgatct tcgagactgc cgtccacaac gcgtccttgt 146640

tctcggcccc ccgcggcccc aaaaggggcc cgtgcgacag tcagatcacc cgcatcatcc 146700

gacaggccca ggtccacgtt gacgagtttt ccccgcatcc agaatcgcgc ctcacctcgc 146760

gctaccgctc ccgcgcggcc gggaacaatc gcccgccgta cacccgaccg gcctggaccc 146820

gctactacaa gatggacata gacgtcgaat atctggtttg caaagccctc accttcgacg 146880

gcgcgcttcg ccccagcgcc gcagagctgc tttgtttgcc gctgtttcaa cagaaatgac 146940

cgcccccagg gggcggtgct gtttgcgggt tggcacaaaa agaccccgac ccgcgtctgt 147000

ggtgtttttg gcatcatgtc gccgggcgcc atgcgtgccg ttgttcccat tatcccattc 147060

cttttggttc ttgtcggtgt atcgggggtt cccaccaacg tctcctccac cacccaaccc 147120

caactccaga ccaccggtcg tccctcgcat gaagccccca acatgaccca gaccggcacc 147180

accgactctc ccaccgccat cagccttacc acgcccgacc acacaccccc catgccaagt 147240

atcggactgg aggaggagga agaggaggag ggggccgggg acggcgaaca tcttgagggg 147300

ggagatggga cccgtgacac cctaccccag tccccgggcc cagccttccc gttggctgag 147360

gacgtcgaga aggacaaacc caaccgtccc gtagtcccat cccccgatcc caacaactcc 147420

cccgcgcgcc ccgagaccag tcgcccgaag acacccccca ccattatcgg gccgctggca 147480

actcgcccca cgacccgact cacctcaaag ggacgaccct tggttccgac gcctcaacat 147540

accccgctgt tctcgttcct cactgcctcc cccgccctgg acaccctctt cgtcgtcagc 147600

accgtcatcc acaccttatc gtttttgtgt attggtgcga tggcgacaca cctgtgtggc 147660

ggttggtcca gacgcgggcg acgcacacac cctagcgtgc gttacgtgtg cctgccgtcc 147720

gaacgcgggt agggtatggg gcgggggatg gggagagccc acacgcggaa agcaagaaca 147780

ataaaggcgg tggtatctag ttgatatgca tctctgggtg tttttggggt gtggcggacg 147840

cggggcggtc attggacggg gtgcagttaa atacatgccc gggacccatg aagcatgcgc 147900

gacttccggg cctcggaacc cacccgaaac ggccaacgga cgtctgagcc aggcctggct 147960

atccggagaa acagcacacg acttggcgtt ctgtgtgtcg cgatgtctct gcgcgcagtc 148020

tggcatctgg ggcttttggg aagcctcgtg ggggctgttc ttgccgccac ccatcgggga 148080

cctgcggcca acacaacgga ccccttaacg cacgccccag tgtcccctca ccccagcccc 148140

ctgggggget ttgccgtccc cctcgtagtc ggtgggctgt gcgccgtagt cctgggggcg 148200

gcgtgtctgc ttgagctcct gcgtcgtacg tgccgcgggt gggggcgtta ccatccctac 148260

atggacccag ttgtcgtata atttcccccc ccccccccct tctccgcatg ggtgatgtcg 148320

ggtccaaact cccgacacca ccagctggta tggtataaat caccggtgcg ccccccaaac 148380

catgtccggc agggggatgg gggggcgaat gcggagggca cccaacaaca ccgggctaac 148440

caggaaatcc gtggccccgg cccccaataa agatcgcggt agcccggccg tgtgacacta 148500

tcgtccatac cgaccacacc gacgaatccc ctaaggggga ggggccattt tacgaggagg 148560

aggggtataa caaagtctgt ctttaaaaag caggggttag ggagttgttc ggtcataagc 148620

ttcagcgcga acgaccaact accccgatca tcagttatcc ttaaggtctc ttttgtgtgg 148680

tgcgttccgg tatgggggggg gctgccgcca ggttgggggc cgtgattttg tttgtcgtca 148740

tagtgggcct ccatggggtc cgcggcaaat atgccttggc ggatgcctct ctcaagatgg 148800

ccgaccccaa tcgctttcgc ggcaaagacc ttccggtcct ggaccagctg accgaccctc 148860

cgggggtccg gcgcgtgtac cacatccagg cgggcctacc ggacccgttc cagcccccca 148920

gcctcccgat cacggtttac tacgccgtgt tggagcgcgc ctgccgcagc gtgctcctaa 148980

acgcaccgtc ggaggccccc cagattgtcc gcggggcctc cgaagacgtc cggaaacaac 149040

cctacaacct gaccatcgct tggtttcgga tgggaggcaa ctgtgctatc cccatcacgg 149100

tcatggagta caccgaatgc tcctacaaca agtctctggg ggcctgtccc atccgaacgc 149160

agccccgctg gaactactat gacagcttca gcgccgtcag cgaggataac ctggggttcc 149220

tgatgcacgc ccccgcgttt gagaccgccg gcacgtacct gcggctcgtg aagataaacg 149280

actggacgga gattacacag tttatcctgg agcaccgagc caagggctcc tgtaagtacg 149340

ccctcccgct gcgcatcccc ccgtcagcct gcctgtcccc ccaggcctac cagcaggggg 149400

tgacggtgga cagcatcggg atgctgcccc gcttcatccc cgagaaccag cgcaccgtcg 149460

ccgtatacag cttgaagatc gccgggtggc acgggcccaa ggccccatac acgagcaccc 149520

tgctgccccc ggagctgtcc gagaccccca acgccacgca gccagaactc gccccggaag 149580

accccgagga ttcggccctc ttggaggacc ccgtggggac ggtggcgccg caaatcccac 149640

caaactggca cataccgtcg atccaggacg ccgcgacgcc ttaccatccc ccggccaccc 149700

cgaacaacat gggcctgatc gccggcgcgg tgggcggcag tctcctggca gccctggtca 149760

tttgcggaat tgtgtactgg atgcgccgcc gcactcaaaa agccccaaag cgcatacgcc 149820

tcccccacat ccgggaagac gaccagccgt cctcgcacca gcccttgttt tactagatac 149880

ccccccttaa tgggtgcggg ggggtcaggt ctgcggggtt gggatgggac cttaactcca 149940

tataaagcga gtctggaagg ggggaaaggc ggacagtcga taagtcggta gcgggggacg 150000

cgcacctgtt ccgcctgtcg cacccacagc ttttttgcg aaccgtcccg ttccgggatg 150060

ccgtgccgcc cgttgcaggg cctggtgctc gtgggcctct gggtctgtgc caccagcctg 150120

gttgtccgtg gccccacggt cagtctggta tcaaactcat ttgtggacgc cggggccttg 150180

gggcccgacg gcgtagtgga ggaagacctg cttattctcg gggagcttcg ctttgtgggg 150240

gaccaggtcc cccacaccac ctactacgat ggggtcgtag agctgtggca ctaccccatg 150300

ggacacaaat gcccacgggt cgtgcatgtc gtcacggtga ccgcgtgccc acgtcgcccc 150360

gccgtggctt tcgccctgtg tcgcgcaacc gacagcactc acagccccgc atatcccacc 150420

ctggagctga atctggccca acagccgctt ttgcgggtcc ggagggcgac gcgtgactat 150480

gccggggtgt acgtgttacg cgtatgggtc ggggacgcac caaacgccag cctgtttgtc 150540

ctggggatgg ccatagccgc cgaagggact ctggcgtaca acggctcggc ccatggctcc 150600

tgcgacccga aactgcttcc gtattcggcc ccgcgtctgg ccccggcgag cgtataccaa 150660

cccgccccta acccggcctc cacccccctcg accaccacct ccacccccctc gaccaccacc 150720

tccacccccct cgaccaccat ccccgctccc caagcatcga ccacaccctt ccccacggga 150780

gacccaaaac cccaacctca cggggtcaac cacgaacccc catcgaatgc cacgcgagcg 150840

acccgcgact cgcgatacgc gctaacggtg acccagataa tccagatagc catccccgcg 150900

tccattatag ccctggtgtt tctggggagc tgtatttgct ttatacacag atgtcaacgc 150960

cgctaccgac gctcccgccg cccgatttac aacccccaga tacccactgg catctcatgc 151020

gcggtgaacg aagcggccat ggcccgcctc ggagccgagc tcaaatcgca tccgagcacc 151080

ccccccaaat cccggcgccg gtcgtcacgc acaccaatgc cctccctgac ggccatcgcc 151140

gaagagtcgg agcccgcggg ggcggctggg cttccgacgc cccccgtgga ccccacgaca 151200

tccaccccaa cgcctcccct gttggtatag gtccacggcc actggccggg ggcaccacat 151260

aaccgaccgc agtcactgag ttgggaataa accggtatta tttacctata tacgtgtatg 151320

tccatttctt ccccccccccc cccggaaacc aaagaaggaa acaaagaatg gatgggagga 151380

gttcaggaag ccggggagag ggcccgcggc gcatttaagg cgttgttgtg ttgactttgg 151440

ctcttctggc gggttggtgc ggtgctgttt gttgggctcc cattttaccc gaagatcggc 151500

tgctatcccc gggacatgga tcgcggggcg gtggtggggt ttcttctcgg tgtttgtgtt 151560

gtatcgtgct tggcgggaac gcccaaaacg tcctggagac gggtgagtgt cggcgaggac 151620

gtttcgttgc ttccagctcc ggggcctacg gggcgcggcc cgacccagaa actactatgg 151680

gccgtggaac ccctggatgg gtgcggcccc ttacacccgt cgtgggtctc gctgatgccc 151740

cccaagcagg tgcccgagac ggtcgtggat gcggcgtgca tgcgcgctcc ggtcccgctg 151800

gcgatggcgt acgccccccc ggccccatct gcgaccgggg gtctacggac ggacttcgtg 151860

tggcaggagc gcgcggccgt ggttaaccgg agtctggtta tttacggggt ccgagagacg 151920

gacagcggcc tgtataccct gtctgtgggc gacataaagg acccggctcg ccaagtggcc 151980

tcggtggtcc tggtggtgca accggcccca gttccgaccc caccccgac cccagccgat 152040

tacgacgagg atgacaatga cgagggcgag ggcgaggacg aaagtctagc cggcactccc 152100

gccagcggga ccccccggct cccgcctccc cccgcccccc cgaggtcttg gcccagcgcc 152160

cccgaagtct cacacgtgcg tggggtgacc gtgcgtatgg agactccgga agctatcctg 152220

ttttcccccg gggaggcgtt tagcacgaac gtctccatcc atgccatcgc ccacgacgac 152280

cagacctaca ccatggacgt cgtctggttg aggttcgacg tgccgacctc gtgtgccgag 152340

atgcgaatat acgaatcgtg tctgtatcac ccgcagctcc cagagtgtct gtccccggcc 152400

gacgctccgt gcgccgcgag tacgtggacg tctcgcctgg ccgtccgcag ctacgcgggg 152460

tgttccagaa caaacccccc gccgcgctgt tcggccgagg ctcacatgga gcccttcccg 152520

gggctggcgt ggcaggcggc ctccgtcaat ctggagttcc gggacgcgtc cccacaacac 152580

tccggcctgt atctgtgcgt ggtgtacgtc aacgaccata ttcacgcatg gggccacatt 152640

accatcagca ccgcggcgca gtaccggaac gcggtggtgg aacagcccct cccacagcgc 152700

ggcgcggatt tggccgagcc cacccacccg cacgtcgggg cccctcccca cgcgccccca 152760

acccacggcg ccctgcggtt aggggcggtg atgggggccg ccctgctgct gtctgcgctg 152820

gggttgtcgg tgtgggcgtg tatgacctgt tggcgcaggc gtgcctggcg ggcggttaaa 152880

agcagggcct cgggtaaggg gcccacgtac attcgcgtgg ccgacagcga gctgtacgcg 152940

gactggagct cggacagcga gggagaacgc gaccaggtcc cgtggctggc ccccccggag 153000

agacccgact ctccctccac caatggatcc ggctttgaga tcttatcacc aacggctccg 153060

tctgtatacc cccgtagcga tgggcatcaa tctcgccgcc agctcacaac ctttggatcc 153120

ggaaggcccg atcgccgtta ctcccaggcc tccgattcgt ccgtcttctg gtaaggcgcc 153180

ccatcccgag gccccacgtc ggtcgccgaa ctgggcgacc gccggcgagg tggacgtcgg 153240

agacgagcta atcgcgattt ccgacgaacg cggacccccc cgacatgacc gcccgccccc 153300

cgccacgtcg accgcgccct cgccacaccc gcgacccccg ggctacacgg ccgttgtctc 153360

cccgatggcc ctccaggctg tcgacgcccc ctccctgttt gtcgcctggc tggccgctcg 153420

gtggctccgg ggggcttccg gcctgggggc cgtcctgtgt gggattgcgt ggtatgtgac 153480

gtcaattgcc cgaggcgcat aaagggccgg tggtccgcct agccgcagca aattaaaaat 153540

cgtgagtcac tgcgaccgca acttcccacc cggagctttc ttccggcctc gatgacgtcc 153600

cggctctccg atcccaactc ctcagcgcga tccgacatgt ccgtgccgct ttatcccacg 153660

gcctcgccag tttcggtcga agcctactac tcggaaagcg aagacgaggc ggccaacgac 153720

ttcctcgtac gcatgggccg ccaacagtcg gtattaaggc gtcgacgcag acgcacccgc 153780

tgcgtcggca tggtgatcgc ctgtctcctc gtggccgttc tgtcgggcgg atttggggcg 153840

ctcctgatgt ggctgctccg ctaaaagacc gcatcgacac gcgcgtcctt cttgtcgtct 153900

ctcttccccc ccatcacccc gcaatttgca cccagccttt aactacatta aattgggttc 153960

gattggcaat gttgtctccc ggttgatttt tgggtgggtg gggagtgggt gggtggggag 154020

tgggtgggtg gggagtgggt gggtggggag tgggtgggtg gggagtgggt gggtggggag 154080

tgggtgggtg gggagtgggt gggtggggag tgggtgggtg gggagtgggt gggtggggag 154140

tggcaaggaa gaaacaagcc cgaccaccag acagaaaatg taaccatacc caaaccgact 154200

ctgggggctg tttgtggggt cggaaccata ggatgaacaa accaccccgt acctcccgca 154260

cccttgggtg cgggtggctc atcggcatct gtccggtatg ggttgttccc cacccacttg 154320

cgttcggacg tcttagaatc atggcggttt tctatgccga catcggtttt ctcccccgca 154380

ataagacacg atgcgataaa atctgtttgt gaaatttatt aagggtacaa attgccctag 154440

cacaggggtg gggttagggc cgggtcccca cacccaaacg caccaaacag atgcaggcag 154500

tgggtcgagt acagccccgc gtacgaacac gtcgatgcgt gtgtcagaca gcaccagaaa 154560

gcacaggcca tcaacaggtc gtgcatatgt cggtgggttt ggacgcgggg ggccatggtg 154620

gtgataaagt taatggccgc cgtccgccag ggccacaggg gcgacgtctc ttggttggcc 154680

cggagccact gggtgtggac cagccgcgcg tggcggccca acatggcccc tgtagccggg 154740

ggcgggggat cgcgcacgtt tgcagcgcac atgcgagaca cctcgaccac ggttcggaag 154800

aaggcccggt ggtccgcggg caacatcacc aggtgcgcaa gcgcccgggc gtccagaggg 154860

tagagccctg agtcatccga ggttggctca tcgcccgggt catgccgcaa gtgcgtgtgg 154920

gttgggcttc cggtgggcgg gacgcgaacc gcggtgtgga gccctacgcg ggcccgagcg 154980

tacgctccat cttgtgggga gaaggggtct gggctcgcca ggggggcata cttgcccggg 155040

ctatacagac ccgcgagccg tacgtggttc gcgggggggtg cgtggggtcc ggggctcccg 155100

gggaggccgg ggctcccggg gttgtcgtgg atccctgggg tcacgcggta ccctggggtc 155160

tctgggagct cgcggtactc tgggttccct aggttctcgg ggtggtcgcg gaacccgggg 155220

ctcccgggga acacgcggtg tcctggggat tgttggcggt cggacggctt cagatggctt 155280

cgagatcgta gtgtccgcac cgactcgtag tagacccgaa tctccacatt gccccgccgc 155340

ttgatcatta tcaccccgtt gcgggggtcc ggagatcatg cgcgggtgtc ctcgaggtgc 155400

gtgaacacct ctggggtgca tgccggcgga cggcacgcct tttaagtaaa catctgggtc 155460

gcccggccca actggggccg ggggttgggt ctggctcatc tcgagagcca cgggggggaac 155520

caccctccgc ccagaaactt gggcgatggt cgtacccggg actcaacggg ttaccggatt 155580

acggggactg tcggtcacgg tcccgccggt tcttcgatgt gccacaccca aggatgcgtt 155640

gggggcgatt ttgggcagca gcccgggaga gcgcagcaga ggacgctccg ggtcgtgcac 155700

ggcggttttg gccgcctccc ggtcctcacg ccccctttta ttgatctcat cgcgtacgtc 155760

ggcgtacgtc ctgggcccaa cccgcatgtt gtccaggaag gtgtccgcca tttccagggc 155820

ccacgacatg ctcccccgcc cgacgagcag gaagcggtcc acgcaacggt cgccgccggt 155880

cgccccgacg agcaggaagc ggtccacgca acggtcgccg ccggtcgcct cgacgaggac 155940

gttcctcctg cgggaaggca cgaacgcggg tgagcccccc cctccgcccc cgcgtccccc 156000

ctcctccgcc cccgcgtccc ccctcctccg cccccgcgtc ccccctcctc cgcccccgcg 156060

tccccccctcc tccgcccccg cgtcccccct cctccgcccc cgcgtcccc ctcctccacc 156120

cccgcgtccc cccctcctcc gcccacccaa ggtgcttacc cgtgcacaaa ggcggaccgg 156180

tgggtttctg tcgtcggagg cccccggggt gcgtcccctg tgtttcgtgg gtggggtggg 156240

tgggtctttc cgcgtgtccc tttccgatgc gatcccgatc ccgagccggg gcgtcgcgat 156300

gccgacgccg tccgctccga cggccctctg cgagtcccgc tcccggtccg cgtgctccgc 156360

agccgctccc gtcgttcgtg gccggcgccg tctgcgggcg tcggtcgcgc cgggccttta 156420

tgtgcgccgg agagacccgc cccccgccgc ccgggcccgc ccccggggcc ggcgcggagt 156480

cgggcacggc gccagtgctc gcacttcgcc ctaataatat atatatattg ggacgaagtg 156540

cgaacgcttc gcgttctcac ttcttttacc cggcggcccc gcccccttgg ggcggtcccg 156600

cccgccggcc aatgggggggg cggcaaggcg ggcggccctt gggccgcccg ccgtcccgtt 156660

ggtcccaacg tccggcgggc gggaccgggg gcccggggac ggccaacggg cgcgcggggc 156720

tcgtatctca ttaccgccga accgggaagt cggggcccgg gccccgcccc cggcccgttc 156780

ctcgttagca tgcggaacgg aagcggaaac caccggatcg ggcggtaatg agatgccatg 156840

cggggcgggg cgcgggccca cccgccctcg cgccccgccc atggcagatg gcgcggatgg 156900

gcggggccgg gggttcgacc aacgggccgc ggccacgggc ccccggcgtg ccggcgtcgg 156960

ggcggggtcg tgcataatgg aattccgttc ggggcgggcc cgcctggggg gcgggggccc 157020

ggcggcctcc gctgctcctc cttcccgccg gcccctggga ctatatgagc ccgaggacgc 157080

cccgatcgtc cacacggagc gcggctgccg acacggatcc acgacccgac gcgggaccgc 157140

cagagacaga ccgtcagacg ctcgccgcgc cgggacgccg atacgcggac gaagcgcggg 157200

agggggatcg gccgtccctg tccttttttcc cacccaagca tcgaccggtc cgcgctagtt 157260

ccgcgtcgac ggcgggggtc gtcggggtcc gtgggtctcg ccccctcccc atcgagagtc 157320

cgtaggtgac ctaccgtgct acgtccgccg tcgcagccgt atccccggag gatcgccccg 157380

catcggcgat ggcgtcggag aacaagcagc gccccggctc cccgggcccc accgacgggc 157440

cgccgcccac cccgagccca gaccgcgacg agcgggggggc cctcgggtgg ggcgcggaga 157500

cggaggaggg cggggacgac cccgaccacg accccgacca cccccacgac ctcgacgacg 157560

cccggcggga cgggagggcc cccgcggcgg gcaccgacgc cggcgaggac gccggggacg 157620

ccgtctcgcc gcgacagctg gccctgctgg cctccatggt agaggaggcc gtccggacga 157680

tcccgacgcc cgaccccgcg gcctcgccgc cccggacccc cgcctttcga gccgacgacg 157740

atgacgggga cgagtacgac gacgcagccg acgccgccgg cgaccgggcc ccggcccggg 157800

gccgcgcacg ggaggccccg ctacgcggcg cgtatccgga ccccacggac cgcctgtcgc 157860

cgcgcccgcc ggcccagccg ccgcggagac gtcgtcacgg ccggcggcgg ccatcggcgt 157920

catcgacctc gtcggactcc gggtcctcgt cctcgtcgtc cgcatcctct tcgtcctcgt 157980

cgtccgacga ggacgaggac gacgacggca acgacgcggc cgaccgcgca cgcgaggcgc 158040

gggccgtcgg gcggggtccg tcgagcgcgg cgccggaagc ccccgggcgg acgccgcccc 158100

cgcccgggcc acccccccctc tccgaggccg cgcccaagcc ccgggcggcg gcgaggaccc 158160

ccgcggcctc cgcgggccgc atcgagcgcc gccgggcccg cgcggcggtg gccggccgcg 158220

acgccacggg ccgcttcacg gccgggcagc cccggcgggt cgagctggac gccgacgcgg 158280

cctccggcgc cttctacgcg cgctatcgcg acgggtacgt cagcggggag ccgtggcccg 158340

gcgccgggcc cccgcccccg gggcgggtgc tgtacggcgg cctgggcgac agccgcccgg 158400

gcctctgggg ggcgcccgag gcggaggagg cgcgacgccg gttcgaggcc tcgggcgccc 158460

cggcggccgt gtgggcgccc gagctgggcg acgccgcgca gcagtacgcc ctgatcacgc 158520

ggctgctgta caccccggac gcggaggcca tggggtggct ccagaacccg cgcgtggtcc 158580

ccggggacgt ggcgctggac caggcctgct tccggatctc gggcgccgcg cgcaacagca 158640

gctccttcat caccggcagc gtggcgcggg ccgtgcccca cctgggctac gccatggcgg 158700

ccggccgctt cggctggggc ctggcgcacg cggcggccgc cgtggccatg agccgccgat 158760

acgaccgcgc gcagaagggc ttcctgctga ccagcctgcg ccgcgcctac gcgcccctgt 158820

tggcgcgcga gaacgcggcg ctgacggggg ccgcggggag ccccggcgcc ggcgcagatg 158880

acgagggggt cgccgccgcc gtcgtcgccg ccgccgccgc accgggcgag cgcgcggtgc 158940

ccgccgggta cggcgccgcg gggatcctcg ccgccctggg gcggctgtcc gccgcgcccg 159000

cctcccccgc ggggggcgac gaccccgacg ccgcccgcca cgccgacgcc gacgacgacg 159060

ccgggcgccg cgcccaggcc ggccgcgtgg ccgtggagtg cctggccgcc tgccgcggga 159120

tcctggaggc gctggccgag ggcttcgacg gcgacctggc ggccgtcccg gggctggccg 159180

gggcccggcc cgccagcccc ccgcggccgg agggacccgc gggccccgct tccccgccgc 159240

cgccgcacgc cgacgcgccc cgcctgcgcg cgtggctgcg cgagctgcgg ttcgtgcgcg 159300

acgcgctggt gctcatgcgc ctgcgcgggg acctgcgcgt ggccggcggc agcgaggccg 159360

ccgtggccgc cgtgcgcgcc gtgagcctgg tcgccggggc cctgggcccc gcgctgccgc 159420

gggacccgcg cctgccgagc tccgcggccg ccgccgccgc ggacctgctg tttgagaacc 159480

agagcctgcg ccccctgctg gcggcggccg ccagcgcacc ggacgccgcc gacgcgctgg 159540

cggccgccgc cgcctccgcc gcgccgcggg aggggcgcaa gcgcaagagt cccggcccgg 159600

cccggccgcc cggaggcggc ggcccgcgac ccccgaagac gaagaagagc ggcgcggacg 159660

cccccggctc ggacgcccgc gccccctcc ccgcgccccc ctccacgccc ccggggcccg 159720

agcccgcccc cgcccagccc gcggcgcccc gggccgccgc ggcgcaggcc cgcccgcgcc 159780

ccgtggcgct gtcgcgccgg cccgccgagg gccccgaccc cctgggcggc tggcggcggc 159840

agcccccggg gcccagccac acggcggcgc ccgcggccgc cgccctggag gcctactgct 159900

ccccgcgcgc cgtggccgag ctcacggacc acccgctgtt ccccgtcccc tggcgaccgg 159960

ccctcatgtt tgacccgcgg gccctggcct cgatcgccgc gcggtgcgcc gggcccgccg 160020

ccgccgccca ggccgcgtgc ggcggcggcg acgacgacga taacccccac ccccacgggg 160080

ccgccggggg ccgcctcttt ggcccccctgc gcgcctcggg cccgctgcgc cgcatggcgg 160140

cctggatgcg ccagatcccc gaccccgagg acgtgcgcgt ggtggtgctg tactcgccgc 160200

tgccgggcga ggacctggcc ggcggcgggg cctcgggggg gccgccggag tggtccgccg 160260

agcgcggcgg gctgtcctgc ctgctggcgg ccctggccaa ccggctgtgc gggccggaca 160320

cggccgcctg ggcgggcaac tggaccggcg cccccgacgt gtcggcgctg ggcgcgcagg 160380

gcgtgctgct gctgtccacg cgggacctgg ccttcgccgg ggccgtggag tttctggggc 160440

tgctcgccag cgccggcgac cggcggctca tcgtggtcaa caccgtgcgc gcctgcgact 160500

ggcccgccga cgggcccgcg gtgtcgcggc agcacgccta cctggcgtgc gacctgctgc 160560

ccgccgtgca gtgcgccgtg cgctggccgg cggcgcggga cctgcgccgc acggtgctgg 160620

ccccgggccg cgtgttcggc ccgggggtct tcgcgcgcgt ggaggccgcg cacgcgcgcc 160680

tgtaccccga cgcgccgccg ctgcgcctgt gccgcggcgg caacgtgcgc taccgcgtgc 160740

gcacgcgctt cggcccggac acgccggtgc ccatgtcccc gcgcgagtac cgccgggccg 160800

tgctgccggc gctggacggc cgggcggcgg cctcggggac caccgacgcc atggcgcccg 160860

gcgcgccgga cttctgcgag gaggaggccc actcgcaccg cgcctgcgcg cgctggggcc 160920

tgggcgcgcc gctgcggccc gtgtacgtgg cgctggggcg cgaggcggtg cgcgccggcc 160980

cggcccggtg gcgcgggccg cggagggact tttgcgcccg cgccctgctg gagcccgacg 161040

acgacgcccc cccgctggtg ctgcgcggcg gcgacgacga cgacgacggc ccgggggccc 161100

tgccgccggc gttgcccggg attcgctggg cctcggccac gggccgcagc ggcaccgtgc 161160

tggcggcggc gggggccgtg gaggtgctgg gggcggaggc gggcttggcc acgccccgc 161220

gacgggaagt tgtggactgg gaaggcgcct gggacgacga cgacggcggc gcgttcgagg 161280

gggacggggt gctgtaacgg gccgggacgg ggcggggcgc ttgcgaaacc cgaagacgca 161340

ataaacgaca acgacctgat ttagttttgc agtagcgttg tttatttcga ggggcgggag 161400

ggggcgaggg gcgggagggg gcgaggggcg ggaggggggcg aggggcggga gggggcgagg 161460

ggcgggaggg ggcgaggggc gggaggggggc gaggggcggg agggggcgag gggcgggagg 161520

gggcgagggg cgggaggggg cgaggggcgg gaggggcga ggggcgggag ggggcgaggg 161580

gcgggagggg gcgaggggcg ggaggggcg aggggcggga gggggcgagg ggcgggaggg 161640

ggcgaggggc gggaggggc gaggggcggg aggggcgag gggcgggagg gggcgagggg 161700

cgggaggggg cgaggggcgg tggtggtgcg cgggcgcccc cggagggttt ggatctctga 161760

cctgagattg gcggcactga ggtagagatg cccgaacccc cccgagggag cgcgggacgc 161820

ggccggggag ggctggggcc ggggagggct ggggccgggg agggctgggg ccggggaggg 161880

ctggggccgg ggagggctgg ggccggggag ggctggggcc ggggagggct ggggctgggg 161940

agggctgggg ctggggaggg ctggggcggt ggtgtgtgac aggagcggcg tgttgcgctg 162000

ggggacgtct ggaggagcgg ggggtgcgcg gtgacgtgtg gatgaggaac aggagttgtt 162060

gcgcggtgag ttgtcgctgt gagttgtgtt ggtgggcagg tgtggtggat gacgtgacgt 162120

gtgacgtgtg gatgaggaac cggagtcgcc ggtgcgccgt gctgttggtg ttctgttggt 162180

gttgttacac ctgtggcagc ccgggccccc cgcgggcggg gcggcgcgca aaaaaggcgg 162240

gcggcggtcc gggcggcgtg cgcgcgcgcg gcgggcgttg ggggagcggg gggaggagcg 162300

gggggaggag cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg 162360

gggggaggag cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg 162420

gggggaggag cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg 162480

gggggaggag cgggggggagg agcggaaaac gggccccccc cgaaacacac cccccggggg 162540

tcgcgcgcgg ccctttaaag cg 162562

<210> 6
<211> 162624
<212> DNA
<213> Artificial Sequence

<220>
<223> C171_from HSV-C134 Complete Viral Genome v1 Chimeric HSV expressing EphA2-Full-MLM

<400> 6
agcccgggcc ccccgcgggc ggggcggcgc gcaaaaaagg cgggcggcgg tccgggcggc 60

gtgcgcgcgc gcggcgggcg ttggggagcg gggggaggag cgggggggagg agcgggggga 120

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 180

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 240

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 300

ggagcggaaa acgggccccc cccgaaacac acccccgggg ggtcgcgcgc ggccctttaa 360

agcgcggcgg cgcagcccgg gccccccgcg gccgagacga gcgagttaga caggcaagca 420

ctactcgcct ctgcacgcac atgcttgcct gtcaaactct accaccccgg cacgctctct 480

gtctccatgg cccgccgccg ccgccatcgc ggcccccgcc gcccccggcc gcccgggccc 540

acgggcgccg tcccaaccgc acagtcccag gtaaccgcct atgggaatga aagaccccac 600

ctgtaggttt ggcaagctag gatcaaggtc aggaacagag aaacaggaga atatgggcca 660

aacaggatat ctgtggtaag cagttcctgc cccgctcagg gccaagaaca gttggaacag 720

gagaatatgg gccaaacagg atatctgtgg taagcagttc ctgccccgct cagggccaag 780

aacagatggt ccccagatgc ggtcccgccc tcagcagttt ctagagaacc atcagatgtt 840

tccagggtgc cccaaggacc tgaaatgacc ctgtgcctta tttgaactaa ccaatcagtt 900

cgcttctcgc ttctgttcgc gcgcttctgc tccccgagct ctatataagc agagctggtt 960

tagtgaaccg tcagatcgcc tggagacgcc atccacgctg ttttgacctc catagaagac 1020

accgactcta gctagaggat ctcctaggaa gctggccgca caaagtggta ccggatcccg 1080

ggtcgaccat ggagctccgg gcagtcggtt tctgcctggc gctgctgtgg ggttgcgcgc 1140

tggcggccgc ggcggcacag ggaaaggaag ttgttttgtt ggacttcgca gcaatgaagg 1200

gagagctcgg ctggctcacg cacccctatg gcaaagggtg ggacctgatg cagaacatca 1260

tggacgacat gcctatctac atgtactcgg tgtgcaacgt ggtatccggc gaccaggaca 1320

actggctccg caccaactgg gtgtaccggg aggaggccga gcgcatcttt attgagctca 1380

agttcacggt gcgagactgt aacagcttcc cgggtggcgc cagctcatgc aaagagacct 1440

tcaacctcta ctatgcagag tcagatgtgg actatggcac caacttccag aagcgccagt 1500

tcaccaagat tgacaccatc gcccctgacg agatcacggt cagcagtgac ttcgaggctc 1560

gcaatgtcaa gctgaacgta gaggagcgca tggtggggcc ccttacccgg aagggcttct 1620

acctggcctt ccaggacatc ggcgcctgcg tggcgctgct ctccgttcgc gtctactaca 1680

agaagtgtcc cgagatgctg cagagcttgg ctcgcttccc cgagaccatt gctgtcgctg 1740

tctccgatac acaacccctg gccacggtgg ccggtacctg cgtggaccat gccgtggtgc 1800

cttatggggg cgaggggcct ctcatgcact gcacggtgga tggcgagtgg ctggtgccca 1860

tcgggcagtg cctgtgccag gaaggctacg agaaggtcga ggatgcctgc cgagcctgtt 1920

ctccaggatt cttcaagtct gaggcatctg agagcccttg cctggagtgt ccagagcata 1980

ccctgccatc cacagagggt gccacctcct gccagtgtga agaaggctat ttcagggcac 2040

ctgaggaccc actgtccatg tcttgcacac gtccaccctc tgcccccaac tacctcacgg 2100

ccattggcat gggtgccaaa gtagaactgc gttggacagc tcccaaggac actggtggcc 2160

gccaggacat tgtctacagt gtcacttgcg aacagtgctg gccagagtct ggcgagtgtg 2220

ggccctgtga ggcgagcgtg cgctattcag aacctcctca cgccctgacc cgcacgagtg 2280

tgacagtcag tgacctggag ccccacatga actatacctt cgctgtcgaa gcacgcaatg 2340

gtgtctcagg cctggtgact agccgaagct tccggactgc cagcgtcagt attaaccaaa 2400

cagagccccc caaagtgagg ctggaggacc gaagcaccac ctccctgagt gtcacctgga 2460

gcatcccggt gtcacagcag agccgtgtgt ggaagtacga agtcacctac cgcaagaagg 2520

gggatgccaa cagctataat gtgcgccgca cggaaggctt ctccgtgacc ctggatgacc 2580

ttgctccgga taccacgtac ctggtgcagg tgcaggcgct gacgcaggag ggccagggag 2640

ccggcagcaa agtgcacgag ttccagacac tgtccacgga aggatctgcc aacatggcgg 2700

tgatcggcgg tgtggctgta ggtgttgttt tgcttctggt actggcagga gttggcctct 2760

tcatccatcg aaggaggagg aacctgcggg ctcgccagtc ctctgaggat gtccgttttt 2820

ccaagtcaga acaactaaag cccctgaaga cctatgtgga tcctcacact tacgaagacc 2880

ccaaccaggc tgtactcaag tttaccaccg agatccaccc atcctgtgtg gcaaggcaga 2940

aggtcattgg agcaggagag tttggagagg tctataaagg gacgctgaag gcatcctcgg 3000

ggaagaagga gataccggtg gccatcaaga cactgaaagc gggctacact gagaagcagc 3060

gggtggactt cctgagcgag gccagcatca tgggccagtt tagccaccac aatatcatcc 3120

gcctggaggg cgtggtctct aaatacaaac ccatgatgat tatcacagag tacatggaga 3180

atggagcgct agacaagttc cttagggaga aggatggtga gttcagtgta cttcagttgg 3240

tgggcatgct gaggggtatc gcatccggca tgaagtacct ggccaacatg aactacgtgc 3300

accgggacct ggccgcccgc aacatcctcg tcaacagcaa cctggtgtgc aaggtgtccg 3360

attttggcct gtcgcgtgtg ctggaagatg accccgaggc cacctacacc acaagtggcg 3420

gcaagatccc tattcgatgg acagccccag aggccatttc ctaccgcaag ttcacctcag 3480

ccagcgatgt gtggagctac ggcattgtca tgtgggaagt gatgacttat ggcgaacggc 3540

cctactggga actgtcaaac cacgaggtca tgaaagccat caacgacggc ttccggctcc 3600

ctacgcccat ggactgccct tcagccattt accagctcat gatgcagtgc tggcagcaag 3660

agcgctcccg ccgacccaag tttgccgaca tcgttagcat cctggacaag ctcatccgag 3720

cccccgactc cctcaagacg ctggctgact ttgatccccg agtgtccatc cggctgccca 3780

gcaccagcgg ctcggaggga gtccccttcc gtacggtgtc cgagtggctg gagagcatca 3840

agatgcaaca gtacacggaa cacttcatgg tggctggcta cacggccatc gagaaggtgg 3900

tacagatgtc caacgaagac atcaaaagga tcggagtgcg tcttcctggc caccagaagc 3960

gtattgccta cagcctgctg ggactcaagg accaggtcaa cacagtgggg attcctatcg 4020

ggaattcaga acaaaaactc atctcagaag aagatctagg aggcggcggg tcaggtggag 4080

gtggctctgg cggtggcggt tcttgttgga cgctggatcg ggggtattgc tcctaattcc 4140

gactcactat agggcgaatt aattccggag atctctagat ccggagagac gatggcagga 4200

gccgcgcata tatacgcttg gagccagccc gccctcacag ggcgggccgc ctcgggggcg 4260

ggactggcca atcggcggcc gccagcgcgg cggggcccgg ccaaccagcg tccgccgagt 4320

cttcggggcc cggcccattg ggcgggagtt accgcccaat gggccgggcc gcccacttcc 4380

cggtatggta attaaaaact tgcaagaggc cttgttccgc ttcccggtat ggtaattaga 4440

aactcattaa tgggcggccc cggccgccct tcccgcttcc ggcaattccc gcggccctta 4500

atgggcaacc ccggtattcc ccgcctcccg cgccgcgcgt aaccactccc ctggggttcc 4560

gggttatgct aattgctttt ttggcggaac acacggcccc tcgcgcattg gcccgcgggt 4620

cgctcaatga acccgcattg gtcccctggg gttccgggta tggtaatgag tttcttcggg 4680

aaggcgggaa gccccggggc accgacgcag gccaagcccc tgttgcgtcg gtgggagggg 4740

catgctaatg gggttctttg ggggacaccg ggttggtccc ccaaatcggg ggccgggccg 4800

tgcatgctaa tgatattctt tgggggcgcc gggttggtcc ccggggacgg ggccgccccg 4860

cggtgggcct gcctcccctg ggacgcgcgg ccattggggg aatcgtcact gccgcccctt 4920

tggggagggg aaaggcgtgg ggtataagtt agccctggcc cgacagtctg gtcgcatttg 4980

cacctcggca ctcggagcga gacgcagcag ccaggcagac tcgggccgcc ccctctccgc 5040

atcaccacag aagccccgcc tacgttgcga cccccaggga ccctccgtcc gcgaccctcc 5100

aaccgcatac gacccccatg gagccccgcc ccggagcgag tacccgccgg cctgagggcc 5160

gcccccagcg cgaggtgagg ggccgggcgc catgtctggg gcgccatatt gggggggcgcc 5220

atattggggg gcgccatgtt gggggacccc cgacccttac actggaaccg gccgccatgt 5280

tgggggaccc ccactcatac acgggagccg ggcgccatgt taggggggcgt ggaaccccgt 5340

gacactatat atacagggac cgggggcgcc atgttagggg gcgcggaacc ccctgaccct 5400

atatatacag ggaccggggt cgccctgttg ggggtcgcca tgtgaccccc tgactttata 5460

tatacagacc ccccaacaca tacacatggc ccctttgact cagacgcagg gcccggggtc 5520

gccgtgggac cccctgactc atacacagag acacgccccc acaacaaaca cacagggacc 5580

ggggtcgccg tgttaggggg cgtggtcccc actgactcat acgcagggcc cccttactca 5640

cacgcatcta ggggggtggg gaggagccgc ccgccatatt tgggggacgc cgtgggaccc 5700

ccgactccgg tgcgtctgga gggcgggaga agagggaaga agaggggtcg ggatccaaag 5760

gacggaccca gaccaccttt ggttgcagac ccctttctcc cccctcttcc gaggccagca 5820

ggggggcagg actttgtgag gcgggggggg ggagaggggg aactcgtggg cgctgattga 5880

cgcgggaaat ccccccattc ttacccgccc cccttttttt ccccttagcc cgccccggat 5940

gtctgggtgt ttccctgcga ccgagacctg ccggacagca gcgactctga ggcggagacc 6000

gaagtggggg ggcgggggga cgccgaccac catgacgacg actccgcctc cgaggcggac 6060

agcacggaca cggaactgtt cgagacgggg ctgctggggc cgcagggcgt ggatgggggg 6120

gcggtctcgg gggggagccc cccccgcgag gaagaccccg gcagttgcgg gggcgccccc 6180

cctcgagagg acgggggggag cgacgagggc gacgtgtgcg ccgtgtgcac ggatgagatc 6240

gcgccccacc tgcgctgcga caccttcccg tgcatgcacc gcttctgcat cccgtgcatg 6300

aaaacctgga tgcaattgcg caacacctgc ccgctgtgca acgccaagct ggtgtacctg 6360

atagtgggcg tgacgcccag cgggtcgttc agcaccatcc cgatcgtgaa cgacccccag 6420

acccgcatgg aggccgagga ggccgtcagg gcgggcacgg ccgtggactt tatctggacg 6480

ggcaatcagc ggttcgcccc gcggtacctg accctggggg ggcacacggt gagggccctg 6540

tcgcccaccc accctgagcc caccacggac gaggatgacg acgacctgga cgacggtgag 6600

gcgggggggc ggcgaggacc ctgggggagg aggaggagga ggggggaggg aggaataggc 6660

gggcgggggg gcgaggaaag ggcgggcgcg gaaagggagg gcctgggagg gggcgtaacc 6720

tgatcgcgcc ccccgttgtc tcttgcagca gactacgtac cgcccgcccc ccgccggacg 6780

ccccgcgccc ccccacgcag aggcgccgcc gcgccccccg tgacgggcgg ggcgtctcac 6840

gcagcccccc agccggccgc ggctcggaca gcgcccccct cggcgcccat cgggccacac 6900

ggcagcagta acaccaacac caccaccaac agcagcggcg gcggcggcgg ctcccgccag 6960

tcgcgagccg cggcgccgcg gggggcgtct ggcccctccg ggggggttgg ggttggggtt 7020

ggggttgttg aagcggaggc ggggcggccg aggggccgga cgggccccct tgtcaacaga 7080

cccgcccccc ttgcaaacaa cagagacccc atagtgatca gcgactcccc cccggcctct 7140

ccccacaggc cccccgcggc gcccatgcca ggctccgccc cccgccccgg gcccaccgcg 7200

tcctcggccg cgtcgggacc cgcgcgcccc cgcgcggccg tggccccgtg cgtgcgagcg 7260

ccgcctccgg ggcccggccc ccgcgccccg gcccccgcgg acgcgcgccg tgtgccccag 7320

tcgcactcgt ccctggctca ggccgcgaac caagaacaga gtctgtgccg ggcgcgtgcg 7380

acggtggcgc gcggctcggg ggggccgggc gtggagggtg gacacgggcc ctcccgcggc 7440

gccgcccccc ccggcgcccc cccgctcccc tccgccgcct ctgtcgagca ggaggcggcg 7500

gtgcgtccga ggaagaggcg cgggtcgggc caggaaaacc cctcccccca gtccacgcgt 7560

ccccccctcg cgccggcagg ggccaagagg gcggcgacgc acccccccctc cgactcaggg 7620

ccgggggggc gcggccaggg tgggcccggg acccccctga cgtcctcggc ggcctccgcc 7680

tcttcctcct ctgcctcttc ctcctcggcc ccgactcccg cgggggccgc ctcttccgcc 7740

gccggggccg cgtcctcctc cgcttccgcc tcctcgggcg gggccgtcgg tgccctggga 7800

gggagacaag aggaaacctc cctcggcccc cgcgctgctt ctgggccgcg ggggccgagg 7860

aagtgtgccc ggaagacgcg ccacgcggag acttccgggg ccgcccccgc gggcggcctc 7920

acgcgctacc tgcccatctc gggggtctct agcgtggtcg ccctgtcgcc ttacgtgaac 7980

aagacgatca cgggggactg cctgcccatc ctggacatgg agacggggaa catcggggcg 8040

tacgtggtcc tggtggacca gacgggaaac atggcgaccc ggctgcgggc cgcggtcccc 8100

ggctggagcc gccgcaccct gctccccgag accgcgggta accacgtgat gccccccgag 8160

tacccgacgg cccccgcgtc ggagtggaac agcctctgga tgacccccgt ggggaacatg 8220

ctgttcgacc agggcaccct agtgggcgcc ctggacttcc gcagcctgcg gtctcggcac 8280

ccgtggtccg gggagcaggg ggcgtcgacc cgggacgagg gaaaacaata agggacgccc 8340

cccgtgtttg tggggagggg ggggtcgggc gctgggtggt ctctggccgc gcccactaca 8400

ccagccaatc cgtgtcgggg aggggaaaag tgaaagacac gggcaccaca caccagcggg 8460

tctttagtgt tggccctaat aaaaaactca ggggattttt gctgtctatt gggaaataaa 8520

ggtttacttt tgtatctttt ccctgtctgt gttggatgga tctcgggggt gcgtgggagt 8580

gggggtgcgt gggagtgggg gtgcgtggga gtgggggtgc gtgggagtgg gggtgcgtgg 8640

gagtgggggt gcgtgggagt gggggtgcgt gggagtgggg gtgcgtggga gtgggggtgc 8700

gtgggagtgg gggtgccatg ttgggcaggc tctggtgtta accacagagc cgcggcccgg 8760

gctgcctgac caccgatccc cgaaagcatc ctgccactgg catggagcca gaaccacagt 8820

gggttgggtg tgggtgttaa gtttccgcga gcgcctgccc gcccggactg acctggcctc 8880

tggccgccac aaagggcggg ggggggttaa ctacactata gggcaacaaa ggacgggagg 8940

ggtggcgggg cgggacgggg cgcccaaaag ggggtcggcc acaccacaga cgtgggtgtt 9000

ggggggtggg gcggaggggt gggggggggag acagaaacag gaacatagtt agaaaacaag 9060

aatgcggtgc agccagagaa tcacaggaga cgaggggatg ggcgtgttgg ttaccaaccc 9120

acacccaggc atgctcggtg gtatgaagga ggggggggcgg tgcttcttag agaccgccgg 9180

gggacgtggg gttggtgtgc agaggcacgc gcacccgcgt cggccaggtg ggccggtacc 9240

ccatcccccc tcccccgacc cttcccaccc ccgcgtgcca gagatcaccc cggtcccccg 9300

gcacccgcca ctcctccata tcctcgcttt aggaacaact ttaggggggg tacacacgcg 9360

ccgtgcattt ccttccacac ccccccctccc ccgcactccc ccccccccgg cagtaagacc 9420

caagcataga gagccaggca caaaaacaca ggcggggtgg gacacatgcc ttcttggagt 9480

acgtgggtca ttggcgtggg gggttacagc gacaccggcc gacccccctgg cggtcttcca 9540

gccggccctt agataagggg gcagttggtg gtcggacggg taagtaacag agtctgacta 9600

agggtgggag ggggggaaaa gaacgggctg gtgtgctgta acacgagccc acccgcgagt 9660

ggcgtggccg accttagcct ctggggcgcc ccctgtcgtt tgggtccccc ccctctattg 9720

gggagaagca ggtgtctaac ctacctggaa acgcggcgtc tttgttgaac cacaccgggg 9780

cgcccttgac gagtgggata acgggggagg aagggaggga ggagggtact gggggtgaag 9840

aagggggggg ggggagaagc gagaacagga aaggcgacgg agcccgacaa aacaccgaga 9900

aaaaaaaacc acagcgcatg cgccgggccg ttgtggggcc ccgggccggg gccccttggg 9960

tccgccgggg ccccgggccg ggccgccacg ggggccggcc gttggcggta accccgattg 10020

tttatctcag gccccgggcc gggaacccgg aaaagcctcc ggggggcctt tttcgcgtcg 10080

cgtgccggcg agcgggcccg gacggggccc ggaccgccgc ggtcgggggc cccctcgtcc 10140

cgggccgtac gcggccttcg ccccgtgagg ggacagacga acgaaacatt ccggcgacgg 10200

aacgaaaaac accccagacg ggttaaagaa acagaaaccg caacccccccc caccccccgaa 10260

acgggggaaaa caaaaaacag accagcggcc ggccggcgct taggggggagg atgtcgccga 10320

cgccccttgg ccgccccggc tgcaggggggg cccggagagc cgcggcaccc ggacgcgccc 10380

ggaaagtctt tcgcaccacc cgcgatcggc acggccgcgc ccccgctttt ataaaggctc 10440

agatgacgca gcaaaaacag gccacagcac cacgtgggta ggtgatgtaa ttttattttc 10500

ctcgtctgcg gcctaatgga tttccgggcg cggtgcccct gtctgcagag cacttaacgg 10560

attgatatct cgcgggcacg cgcgccctta atggaccggc gcggggcggg gggccggata 10620

cccacacggg cgggggggggg ggtgtcgcgg gccgtctgct ggcccgcggc cacataaaca 10680

atgactctgg gcctttctgc ctctgccgct tgtgtgtgcg cgcgccggct ctgcggtgtc 10740

ggcggcggct gcggcggctg cggcggccgc cgtgttcggt ctcggtagcc ggccggcggg 10800

tggactcgcg gggggccgga gggtggaagg caggggggtg taggatgggt atcaggactt 10860

ccacttcccg tccttccatc ccccgttccc ctcggttgtt cctcgccccc ccccacaccc 10920

cgccgctttc cgttggggtt gttattgttg tcgggatcgt gcgggccggg ggtcgccggg 10980

gcaggggcgg gggcgggggt gctcgtcgat cgaccgggct cagtgggggc gtggggtggg 11040

ggggaaaagg cgaagagact gggggtgggg gggggtgtcg ggggtggctg ttttttttg 11100

tgggtgtttt ttgtggctgt tcccgtcccc cgtcaccccc ctccctccgt ccccccgtcg 11160

cgggtgtttg tgtttgttta ttccgacatc ggtttattta aataaacaca gccgttctgc 11220

gtgtctgttc ttgcgtgtgg ctgggggctt atatgtgggg tcccgggggc gggatggggt 11280

ttagcggcgg ggggcggcgc gccggacggg gcgctggaga taacggcccc cggggaacgg 11340

gggaccgggg ctgggtctcc cgaggtgggt gggtgggcgg cggtggccgg gccgggccgg 11400

gccgggtggg cggggtttgg aaaaacgagg aggaggagga ggagaaggag gggggggggag 11460

acgggggggaa agcaaggaca cggcccgggg ggtgggagcg cgggccgggc cgctcgtaag 11520

agccgcgacc cggccgccgg ggagcgttgt cgccgtcggt ctgccggccc ccgtccctcc 11580

ctttttgac caaccagcgc ccccccccct caccaccatt cctaccacca ccaccaccac 11640

cgacacctcc cgcacacccc cgcccacact ccccccccccc acccaacccg caccacgagc 11700

acgggttggg ggtagcaggg gatcaaaggg gggcaaggcc ggcggggcgg ttcgggggcg 11760

ggggcgggag accgagtagg ccccgcccat ccgcggcccc tcccggcagc cacgcccccc 11820

agcgtcgggt gtcacgggga aagagcaggg ggagagggga gagggggggga gaggggagag 11880

gggggggagag gggagagggg gggagagggg agagggggggg agaggggaga gggggggaga 11940

ggggagaggg ggggagaggg gagaggggggg gagaggggag agggggggag aggggagagg 12000

gggggagagg ggagaggggg ggagaggggg tatataaacc aacgaaaagc gcgggaacgg 12060

ggatacgggg cttgtgtggc acgacgtcgt ggttgtgtta ctgggcaaac acttggggac 12120

tgtaggtttc tgtgggtgcc gaccctaggc gctatgggga ttttgggttg ggtcgggctt 12180

attgccgttg gggttttgtg tgtgcggggg ggcttgtctt caaccgaata tgttattcgg 12240

agtcgggtgg ctcgagaggt gggggatata ttaaaggtgc cttgtgtgcc gctcccgtct 12300

gacgatcttg attggcgtta cgagaccccc tcggctataa actatgcttt gatagacggt 12360

atatttttgc gttatcactg tcccggattg gacacggtct tgtgggatag gcatgcccag 12420

aaggcatatt gggttaaccc ctttttattt gtggcgggtt ttttggagga cttgagtcac 12480

cccgcatttc ctgccaacac ccaggaaaca gaaacgcgct tggcccttta taaagagata 12540

cgccaggcgc tggacagtcg caagcaggcc gccagccaca cacctgtgaa ggctgggtgt 12600

gtgaactttg actattcgcg cacccgccgc tgtgtagggc gacaggattt gggacctacc 12660

aacggaacgt ctggacggac cccggttctg ccgccggacg atgaagcggg cctgcagccg 12720

aagcccctca ccacgccgcc gcccatcatc gccacgttgg accccacccc gcgacgggac 12780

gccgccgcaa aaagcagacg ccgacgaccc cactcccggc gcatctaatg atgccgcgac 12840

ggaaacccgt ccgggttcgg ggggcgaacc ggccgcctgt cgctcgtcag ggccggcggg 12900

cgctcctcgc cgccctagag gctgtcccgc tggtgtgacg ttttcctcgt ccgcgccccc 12960

cgaccctccc atggatttaa caaacggggg ggtgtcgcct gtggcgacct cggcgcctct 13020

ggactggacc acgtttcggc gtgtgtttct gatcgacgac gcgtggcggc ccctgttgga 13080

gcctgagctg gcgaacccct taaccgccca cctcctgacc gaatataatc gtcggtgcca 13140

gaccgaagag gtgctgccgc cgcgggagga tgtgttttcg tggactcgtt attgcacccc 13200

cgacgaggtg cgcgtggtta tcatcggcca ggacccatat caccaccccg gccaggcgca 13260

cggacttgcg tttagcgtgc gcgcgaacgt gccgcctccc ccgagtcttc ggaatgtctt 13320

ggcggccgtc aagaactgtt atcccgaggc acggatgagc ggccacggtt gcctggaaaa 13380

gtgggcgcgg gacggcgtcc tgttactaaa cacgaccctg accgtcaagc gcggggcggc 13440

ggcgtcccac tctagaatcg gttgggaccg cttcgtgggc ggagttatcc gccggttggc 13500

cgcgcgccgc cccggcctgg tgtttatgct ctggggcgca catgcccaga atgccatcag 13560

gccggaccct cgggtccatt gcgtcctcaa gttttcgcac ccgtcgcccc tctccaaggt 13620

tccgttcgga acatgccagc atttcctcgt ggcgaatcga tatctcgaga cccggtcgat 13680

ttcacccatc gactggtcgg tttgaaaggc atcgacgtcc ggggttttcg tctgtggggg 13740

cttttgggta tttccgatga ataaagacgg ttaatggtta aacctctggt ctcatacggg 13800

tcggtgatgt cgggcgtcgg gggagaggga gttccctctg cgcttgcgat tctagcctcg 13860

tggggctgga cgttcgacac gccaaaccac gagtcaggga tatcgccaga tacgactccc 13920

gcagattcca ttcggggggc cgctgtggcc tcacctgacc aacctttaca cgggggcccg 13980

gaacgggagg ccacagcgcc gtctttctcc ccaacgcgcg cggatgacgg cccgccctgt 14040

accgacgggc cctacgtgac gtttgatacc ctgtttatgg tgtcgtcgat cgacgaatta 14100

gggcgtcgcc agctcacgga caccatccgc aaggacctgc ggttgtcgct ggccaagttt 14160

agcattgcgt gcaccaagac ctcctcgttt tcgggaaacg ccccgcgcca ccacagacgc 14220

ggggcgttcc agcgcggcac gcgggcgccg cgcagcaaca aaagccttca gatgtttgtg 14280

ttgtgcaaac gcacccacgc cgctcgagtg cgagagcagc ttcgggtcgt tattcagtcc 14340

cgcaagccgc gcaagtatta cacgcgatct tcggacgggc ggctctgccc cgccgtcccc 14400

gtgttcgtcc acgagttcgt ctcgtccgag ccaatgcgcc tccaccgaga taacgtcatg 14460

ctggcctcgg gggccgagta accgcccccc cgcgccaccc tcactgcccg tcgcgcgtgt 14520

ttgatgttaa taaataacgc ataaattatc ttaatagatc tcccgatccc ctatggtgca 14580

ctctcagtac aatctgctct gatgccgcat agttaagcca gtatctgctc cctgcttgtg 14640

tgttggaggt cgctgagtag tgcgcgagca aaatttaagc tacaacaagg caaggcttga 14700

ccgacaattg catgaagaat ctgcttaggg ttaggcgttt tgcgctgctt cgcgatgtac 14760

gggccagata tacgcgttga cattgattat tgactagtta ttaatagtaa tcaattacgg 14820

ggtcattagt tcatagccca tatatggagt tccacgttac ataacttacg gtaaatggcc 14880

cgcctggctg accgcccaac gacccccgcc cattgacgtc aataatgacg tatgttccca 14940

tagtaacgcc aatagggact ttccattgac gtcaatgggt ggagtattta cggtaaactg 15000

cccacttggc agtacatcaa gtgtatcata tgccaagtac gccccctatt gacgtcaatg 15060

acggtaaatg gcccgcctgg cattatgccc agtacatgac cttatgggac tttcctactt 15120

ggcagtacat ctacgtatta gtcatcgcta ttaccatggt gatgcggttt tggcagtaca 15180

tcaatgggcg tggatagcgg tttgactcac ggggatttcc aagtctccac cccattgacg 15240

tcaatgggag tttgttttgg caccaaaatc aacgggactt tccaaaatgt cgtaacaact 15300

ccgccccatt gacgcaaatg ggcggtaggc gtgtacggtg ggaggtctat ataagcagag 15360

ctctctggct aactagagaa cccactgctt actggcttat cgaaattaat acgactcact 15420

atagggagac ccaagctggc tagttaagct tggtaccgag ctcggatcca ctagtccagt 15480

gtggtggaat tgcccttgga tcctcaatgg cccagcgcaa cggcatgtcg ccgcgccccc 15540

cgcccctcgg tcgcggccgc ggggccggag ggccttcggg ggttggttcc tctcctcctt 15600

cttcttgtgt gccgatggga gcgccgtcca cagcgggcac tggtgcgagt gctgcggcta 15660

cgacgacgcc gggccacggc gtccaccggg tagaaccccg cgggccgccg ggcgcccctc 15720

cgagtagcga caacaatggc aacttttggc acggcccgga gcgcctgttg ctgtctcaga 15780

ttccggtgga gcgccaggcg ctgacggagc tggaatacca ggccatgggc gccgtgtggc 15840

gcgcggcgtt tttggccaac agcacgggcc gcgccatgcg caagtggtcg cagcgcgacg 15900

cgggcacgct gctgccgctc ggacggccgt acggattcta cgcgcgggtg acgccgcgca 15960

gccagatgaa cggcgtgggc gcgacggacc tgcgtcaact gtcgccgcgg gacgcgtgga 16020

tcgtactggt ggctaccgtg gtgcacgagg tggaccccgc agccgacccg acgttgggcg 16080

acaaggccgg ccatcccgag ggtctgtgcg cgcaggacgg actgtacctg gcgctgggcg 16140

ccgggttccg cgtgttcgtg tacgacctgg caaacaacac gctgatccta gcggcgcgcg 16200

acgcggacga gtggtttcgg cacggcgcgg gcgaggtggt gcggctgtac cgctgcaacc 16260

ggctgggcgt gggcaccccg cgcgcgacgc tgctgcctca gccggcgctc cgacagacgt 16320

tgctgcgcgc cgaggaggcg acggcgctcg gacgggagct gcgccggcgg tgggccggca 16380

cgacggtggc gctgcagacg ccgggcaggc gactgcagcc gatggtactg ctgggcgcgt 16440

ggcaggagct ggcgcagtac gagccgttcg cgtcggcgcc gcaccccgcg tcgctgctga 16500

cggccgtgcg tcggcacctg aaccagcgtc tgtgctgcgg ctggctggcg ctgggcgcgg 16560

tgctgcccgc gcggtggctg ggctgcgcgg cggggccggc gacggggacg gcggcgggga 16620

cgacgtcgcc gccagcggcg agcggcacgg agacggaggc cgccggcggg gacgcgccgt 16680

gcgcgatagc gggagccgtg gggtccgctg tacctgtgcc tccgcagccg tacggcgccg 16740

ccggcggggg cgcgatttgc gtgcctaacg cggacgcgca cgcggtggtc ggggcggacg 16800

cggcagcagc agcggcgccg acggtgatgg tgggttcgac agcgatggcg ggtccggcgg 16860

cgtcggggac cgtgccgcgc gccatgctgg tggtgctgct ggacgagctg ggcgccgtgt 16920

tcgggtactg cccgctggac gggcacgtgt acccgctggc ggcggagctg tcgcactttc 16980

tgcgcgcggg cgtgctgggc gcgctggcgc tgggacgcga gtcggcgccc gccgccgagg 17040

ccgcgcggcg gctgctgccc gagctggacc gcgagcagtg ggagcggccg cgctgggacg 17100

cgctgcacct gcacccgcgc gccgcgctgt gggcgcgcga gccgcacggg cagtgggagt 17160

tcatgtttcg cgaacaacgc ggtgacccca taaatgatcc cctcgcattt cgtctttcgg 17220

acgctcgaac tctcggtctc gacctcacca ccgtcatgac agagcgtcaa agtcaattgc 17280

ccgaaaagta tatcggtttc tatcagatta ggaaacctcc ttggctcatg gaacaacctc 17340

cacccccatc tcgccaaacc aaaccggacg ctgcaacgat gcccccaccg ctcagtgctc 17400

aggcaagcgt cagctacgcg ctccgatacg atgacgagtc ctggcgcccg ctcagcacag 17460

ttgacgacca caaagcctgg ttggatctcg acgaatcaca ttgggtcctc ggggacagcc 17520

gacccgacga tataaaacaa cgcagactgc tgaaggccac tcaacgacga ggcgccgaaa 17580

tcgacagacc catgcctgtc gtgcctgaag aatgttacga ccaacgcttc actaccgaag 17640

gccaccaggt catcccgttg tgcgcgtccg aacccgagga tgacgacgaa gatcctacct 17700

acgacgaatt gccgtcgcgc ccaccccaga aacataagcc gccagacaaa cctccgcgct 17760

tatgcaaaac gggccccggc ccacctccgc tgccgccaaa gcaacggcac ggttccaccg 17820

acggaaaagt ttctgcgccc cgacagtcgg agcatcataa aagacagacc cgaccgccaa 17880

ggccgccacc gcccaaattc ggggatagaa ccgcggccca tctctcgcaa aatatgcggg 17940

acatgtacct cgatatgtgt acatcttcgg gccacaggcc acggccgcca gcacctccgc 18000

ggccgaaaaa atgtcaaaca cacgcccctc accacgttca tcataagctt aagggcaatt 18060

ctgcagatat ccagcacagt ggcggccgct cgagtctaga gggcccgcgg ttcgaaggta 18120

agcctatccc taaccctctc ctcggtctcg attctacgcg taccggtcat catcaccatc 18180

accattgagt ttaaacccgc tgatcagcct cgactgtgcc ttctagttgc cagccatctg 18240

ttgtttgccc ctcccccgtg ccttccttga ccctggaagg tgccactccc actgtccttt 18300

cctaataaaa tgaggaaatt gcatcgcatt gtctgagtag gtgtcattct attctggggg 18360

gtggggtggg gcaggacagc aaggggggagg attgggaaga caatagcagg catgctgggg 18420

atgcggtggg ctctatggct tctgaggcgg aaagaaccag ctggggctct agggggtatc 18480

cccacgcgcc ctgtagcggc gcattaagcg cggcgggtgt ggtggttacg cgcagcgtga 18540

ccgctacact tgccagcgcc ctagcgcccg ctcctttcgc tttcttccct tcctttctcg 18600

ccacgttcgc cggctttccc cgtcaagctc taaatcgggg gctcccttta gggttccgat 18660

ttagtgcttt acggcacctc gaccccaaaa aacttgatta gggtgatggt tcacgtagtg 18720

ggccatcgcc ctgatagacg gtttttcgcc ctttgacgtt ggagtccacg ttctttaata 18780

gtggactctt gttccaaact ggaacaacac tcaaccctat ctcggtctat tcttttgatt 18840

tataagggat tttgccgatt tcggcctatt ggttaaaaaa tgagctgatt taacaaaaat 18900

ttaacgcgaa ttaattctgt ggaatgtgtg tcagttaggg tgtggaaagt ccccaggctc 18960

cccagcaggc agaagtatgc aaagcatgca tctcaattag tcagcaacca ggtgtggaaa 19020

gtccccaggc tccccagcag gcagaagtat gcaaagcatg catctcaatt agtcagcaac 19080

catagtcccg cccctaactc cgcccatccc gcccctaact ccgcccagtt ccgcccattc 19140

tccgccccat ggctgactaa ttttttttat ttatgcagag gccgaggccg cctctgcctc 19200

tgagctattc cagaagtagt gaggaggctt ttttggaggc ctagtattaa ggaatttggc 19260

tggttgtttg ttgtctttaa tggaccgccc gcaggggggg tggcatttca gtgtcgggtg 19320

acgagcgcga tccggccggg atcctaggac cccaaaagtt tgtctgcgta ttccagggcg 19380

gggctcagtt gaatctcccg cagcacctct accagcaggt ccgcggtggg ctggagaaac 19440

tcggccgtcc cggggcaggc ggtcgtcggg ggtggaggcg cggcgcccac cccgtgtgcc 19500

gcgcctggcg tctcctctgg gggcgacccg taaatggttg cagtgatgta aatggtgtcc 19560

gcggtccaga ccacggtcaa aatgccggcc gtggcgctcc gggcgctttc gccgcgcgag 19620

gagctgaccc aggagtcgaa cggatacgcg tacatatggg cgtcccaccc gcgttcgagc 19680

ttctggttgc tgtcccggcc tataaagcgg taggcacaaa attcggcgcg acagtcgata 19740

atcaccaaca gcccaatggg ggtgtgttgg ataacaacgc ctccgcgcgg caggcggtcc 19800

tggcgctccc ggccccgtac catgatcgcg cgggtgccgt actcaaaaac atgcaccacc 19860

tgcgcggcgt cgggcagtgc gctggtcagc gaggccctgg cgtggcatag gctatacgcg 19920

atggtcgtct gtggattgga catctcgcgg tgggtagtga gtcccccggg ccgggttcgg 19980

tggaactgta aggggacggc gggttaatat acaatgacca cgttcggatc gcgcagagcc 20040

gatagtatgt gcttactaat gacgtcatcg cgctcgtggc gctcccggag cggatttaag 20100

ttcatgcgaa ggaattcgga ggaggtggtg cgggacatgg ccacgtacgc gctgttgagg 20160

cgcaggttgc cgggcgtaaa gcagatggcg accttgtcca ggctaaggcc ctgggagcgc 20220

gtgatggtca tggcaagctt ggagctgatg ccgtagtcgg cgtttatggc catggccagc 20280

tccgtagagt caatggactc gacaaactcg ctgatgttgg tgttgacgac ggacatgaag 20340

ccgtgttggt cccgcaagac cacgtaaggc agggggggcct cttccagtaa ctcggccacg 20400

ttggccgtcg cgtgccgcct ccgcagctcg tccgcaaagg caaacacccg tgcgtacgtg 20460

tatcccatga gcgtataatt gtccgtctgc agggcgacgg acatcagccc cccgcgcggc 20520

gagccggtca gcatctcgca gccccggaag ataacgttgt ccacgtacgt gctaaagggg 20580

gcgccttcaa atgcctcccc aaagagctct tggaggattc ggaatctccc gaggaaggcc 20640

cgcttcagca gcgcaaactg ggtgtgaacg gcggcggtgg tctccggttc cccgggggtg 20700

tagtggcagt aaaacacgtc gagctgttgt tcgtccagcc ccgcgaaaat aacgtcgagg 20760

tcgtcgtcgg gaaaatcgtc cgggcccccg tcccgcggcc ccagttgctt aaaatcaaac 20820

gcacgctcgc cgggggcgcc tgcgtcggcc attaccgacg cctgcgtcgg caccccgaa 20880

gatttggggc gcagagacag aatctccgcc gttagttctc ccatgcgggc gtaggcgagg 20940

gtcctctggg tcgcatccag gcccgggcgc tgcagaaagt tgtaaaagga gataagcccg 21000

ctaaatatga gccgcgacag gaacctgtag gcaaactcca ccgaagtctc cccctgagtc 21060

tttacaaagc tgtcgtcacg caacactgcc tcgaaggccc ggaacgtccc actaaaccca 21120

aaaaccagtt ttcgcaggcg cgcggttacc gcgatctggc tgttgaggac gtaagtgacg 21180

tcgttgcggg ccacgaccag ctgctgtttg ctgtgcacct cgcagcgcat gtgccccgcg 21240

tcctggtcct ggctctgcga gtagttggtg atgcggctgg cgttggccgt gagccacttt 21300

tcaatagtca ggccgggctg gtgtgtcagc cgtcggtatt cgtcaaactc cttgaccgac 21360

acgaacgtaa gcacggggag ggtgaacacg acaaactccc cctcacgggt caccttcagg 21420

taggcgtgga gcttggccat gtacgcgctc acctctttgt gggaggagaa caaccgcgtc 21480

cagccgggga ggttggcggg gttggtgatg tagttttccg ggacgacgaa gcgatccacg 21540

aactgcatgt gctcctcggt gatgggtagg ccgtactcca gcaccttcat gaggttaccg 21600

aactcgtgct cgatgcaccg tttgttgtta ataaaaatgg cccagctata cgagaggcgg 21660

gcgtactccc gcagcgtgcg gttgcagatg aggtacgtga gcacgttctc gctctggcgg 21720

acggaacacc gcagtttctg gtgctcgaag gtcgactcca gggacgccgt ctgtgtcggc 21780

gagcccacac acaccaacac gggccgcagg cgggccgcgt actgggggggt gtggtacagg 21840

gcgttaatca tccaccagca atacaccacg gccgtgagga ggtgacgccc aaggagcccg 21900

gcctcgtcga tgacgatcac gttgctgcgg gtaaaggccg gcagcgcccc gtgggtggcc 21960

ggggccaacc gcgtcagggc gccctcggcc aaccccaggg tccgttccag ggcggccagg 22020

gcgcgaaact cgttccgcga ctcctcgccc ccggaggcgg ccagggtgcg cttcgtgagg 22080

tccaaaatca cctcccagta gtacgtcaga tctcgtcgct gcaggtcctc cagcgaggcg 22140

gggttgctgg tcagggtgta cgggtactgc cccagttggg cctggacgtg attcccgcga 22200

aacccaaatt catgaaagat ggtgttgatg ggtcggctga gaaaggcgcc cgagagtttg 22260

gcgtacatgt tttgggccgc aatgcgcgtg gcgcccgtca ccacacagtc caagacctcg 22320

ttgattgtct gcacgcacgt gctctttccg gagccagcgt tgccggtgat aagatacacc 22380

gcgaacggaa actccctgag gggcaggcct gcgggggact ctaaggccgc cacgtcccgg 22440

aaccactgca gacggggcac ttgcgctccg tcgagctgtt gttgcgagag ctctcggatg 22500

cgcttaagga ttggctgcac cccgtgcata gacgtaaaat ttaaaaaggc ctcggccctc 22560

cctggaacgg ctggtcggtc cccgggttgc tgaaggtgcg gcgggccggg tctctgtccg 22620

tctagctggc gctccccgcc ggccgccgcc atgaccgcac cacgctcgcg ggcccccact 22680

acgcgtgcgc ggggggacac ggaagcgctg tgctcccccg aggacggctg ggtaaaggtt 22740

caccccaccc ccggtacgat gctgttccgc gagattctcc acgggcagct ggggtatacc 22800

gagggccagg gggtgtacaa cgtcgtccgg tccagcgagg cgaccacccg gcagctgcag 22860

gcggcgatct ttcacgcgct cctcaacgcc accacttacc gggacctcga ggcggactgg 22920

ctcggccacg tggcggcccg cggtctgcag ccccaacggc tggttcgccg gtacaggaac 22980

gcccgggagg cggatatcgc cggggtggcc gagcgggtgt tcgacacgtg gcggaacacg 23040

cttaggacga cgctgctgga ctttgcccac gggttggtcg cctgctttgc gccgggcggc 23100

ccgagcggcc cgtcaagctt ccccaaatat atcgactggc tgacgtgcct ggggttggtc 23160

cccatattac gcaagcgaca agaaaggggt gtgacgcagg gtctgagggc gtttctcaag 23220

cagcacccgc tgacccgcca gctggccacg gtcgcggagg ccgcggagcg cgccggcccc 23280

gggtttttg agctggcgct ggccttcgac tccacgcgcg tggcggacta cgaccgcgtg 23340

tatatttact acaaccaccg ccggggcgac tggctcgtgc gagaccccat cagcgggcag 23400

cgcggagaat gtctggtgct gtggcctccc ttgtggaccg gggaccgtct ggtcttcgat 23460

tcgcccgtac agcggctgtt tcccgagatc gtcgcgtgtc actccctccg ggaacacgcg 23520

cacgtctgcc ggctgcgcaa taccgcgtcc gtcaaggtgc tgctggggcg caagagcgac 23580

agcgagcgcg gggtggccgg cgccgcgcgg gtcgttaaca aggtgttggg ggaggacgac 23640

gagaccaagg ccgggtcggc cgcctcgcgc ctcgtgcggc ttatcatcaa catgaagggc 23700

atgcgccacg taggcgacat taacgacact gtgcgtgcct acctcgacga ggccgggggg 23760

cacctgatag acgccccggc cgtcgacggt accctcccgg gattcggcaa gggcggaaac 23820

agccgcgggt ctgcgggcca ggaccagggg gggcgggcgc cgcagcttcg ccaggccttc 23880

cgcacggccg tggttaacaa catcaacggc gtgttggagg gctatataaa taacctgttt 23940

ggaaccatcg agcgcctgcg cgagaccaac gcgggcctgg cgacccagtt gcaggagcgc 24000

gaccgcgagc tccggcgcgc aacatcgggg gccctggagc gccagcagcg cgcggccgac 24060

ctggcggccg agtccgtgac cgggggatgc ggcagccgcc ctgcgggggc ggacctgctc 24120

cgggccgact atgacattat cgacgtcagc aagtccatgg acgacgacac gtacgtcgcc 24180

aacagttttc agcacccgta catcccttcg tacgcccagg acctggagcg cctgtcgcgc 24240

ctctgggagc acgagctggt gcgctgtttc aaaattctgt gtcaccgcaa caaccagggc 24300

caagagacgt cgatctcgta ctccagcggg gcgatcgccg cattcgtcgc cccctacttt 24360

gagtcagtgc ttcgggcccc ccgggtaggc gcgcccatca cgggctccga tgtcatcctg 24420

ggggaggagg agttatggga tgcggtgttt aagaaaaccc gcctgcaaac gtacctgaca 24480

gacatcgcgg ccctgttcgt cgcggacgtc cagcacgcag cgctgccccc gccccctcc 24540

ccggtcggcg ccgatttccg gcccggcgcg tccccgcggg gccggtccag atcgcggtcg 24600

cccggaagaa ctgcgcgagg cgcgccggac cagggcgggg gcatcgggca ccgggatggc 24660

cgccgcgacg gccgacgatg aggggtcggc cgccaccatc ctcaagcagg ccatcgccgg 24720

ggaccgcagc ctggtcgagg cggccgaggc gattagccag cagacgctgc tccgcctggc 24780

ctgcgaggtg cgccaggtcg gcgaccgcca gccgcggttt accgccacca gcatcgcgcg 24840

cgtcgacgtc gcgcctgggt gccggttgcg gttcgttctg gacgggagtc ccgaggacgc 24900

ctatgtgacg tcggaggatt actttaagcg ctgctgcggc cagtccagtt atcgcggctt 24960

cgcggtggcg gtcctgacgg ccaacgagga ccacgtgcac agcctggccg tgccccccct 25020

cgttctgctg caccggttct ccctgttcaa ccccagggac ctcctggact ttgagcttgc 25080

ctgtctgctg atgtacctgg agaactgccc ccgaagccac gccaccccgt cgacctttgc 25140

caaggttctg gcgtggctcg gggtcgcggg tcgccgcacg tccccattcg aacgcgttcg 25200

ctgccttttc ctccgcagtt gccactgggt cctaaacaca ctcatgttca tggtgcacgt 25260

aaaaccgttc gacgacgagt tcgtcctgcc ccactggtac atggcccggt acctgctggc 25320

caacaacccg ccccccgttc tctcggccct gttctgtgcc accccgacaa gctcctcatt 25380

ccggctgccg gggccgcccc cccgctccga ctgcgtggcc tataaccccg ccgggatcat 25440

ggggagctgc tgggcgtcgg aggaggtgcg cgcgcctctg gtctattggt ggctttcgga 25500

gaccccaaaa cgacagacgt cgtcgctgtt ttatcagttt tgttgaattt taggaaataa 25560

acccggtttt gtttctgtgg cctcccgacg gatgcgcgtg tccttactcc gtcttggtgg 25620

gtgggtggct gtgtatggcg tcccatctgt gcggggaggg gggcaagtcg gcacgtattc 25680

ggacagactc aagcacacac gggggagcgc tcttgtctca gggcaatgtt tttattggtc 25740

aaactcaggc aaacagaaac gacatcttgt cgtcaaaggg atacacaaac ttccccccct 25800

cgccccatac tcccgccagc accccggtaa acaccaactc aatctcgcgc aggatttcgc 25860

gcaggtgatg agcgcagtcc acgggggggа gcacaagggg ccgcgggtat agatcgacgg 25920

ggacgccgac cgactccccg cctccgggac agacacgcac gacgcgccgc cagtagtgct 25980

ctgcgtccag caaggcgccg ccgcggaagg cagtgggggg caaggggtcg ctggcctcaa 26040

agggggacac ccgaacgctc cagtactccg cgtccaaccg tttattaaac gcgtccaaga 26100

taaggcggtc gcaggcgtcc tccataaggc cccgggccgt gagtgcgtcc tcctccggca 26160

cgcctgccgt tgtcaggccc aggacccgtc gcagcgtgtc gcgtacgacc ccggccgccg 26220

tggtgtacgc gggcccgcgg agaggaaatc ccccaagatg gtcagtgttg tcgcgggagt 26280

tccagaacca cactcccgcc tggctccagg cgactgcgtg ggtgtagacg ccctcgaggg 26340

ccaggcacag tgggtgccgc agccggaggc cgttggccct aagcacggct cccacggccg 26400

tctcgatggc ccgccgggcg tcctcgatca ccccggaagc cgcatccgcg tcttgggggt 26460

ccacgttaaa gacaccccag aacgcacccc catcgccccc gcagaccgcg aacttcaccg 26520

agctggccgt ctcctcgatc tgcaggcaga cggcggccat taccccaccc aggagctgcc 26580

gcagcgcagg gcaggcgttg cacgtgtccg ggaccaggcg ctccaagacg gccccggccc 26640

agggctctga gggagcggcc accaccagcg cgtccagtct tgctaggccc gtccggccgt 26700

gggggtccgc cagcccgctc cccccgaggt cggccagggc cgccaggagc tgggcgcgaa 26760

gtccggggaa gcaaaaccgc gccgtccaga cgggcccgac ggccgcgggc gggtctaaca 26820

gttggatgat tttagtggcg ggatgccacc gcgccaccgc ctcccgcact gcgggcagga 26880

ggcatccggc tgccgccgag gccacgccgg gccaggctcg cgggggggagg acgaccctga 26940

cccccaccgc gggccaggcc cccaggagcg cggcgtaagc ggccgcggcc ccgcgcacca 27000

ggtcccgtgc cgactcggcc gtggccggca cggtgaacgt gggccaaccc ggaaacccca 27060

ggacggcaaa gtacgggacg ggtccccccc ggacctcaaa ctcgggcccc agaaaggcaa 27120

agacgggggc cagggccccg ggggcggcgt ggaccgtggt atgccactgc cggaaaaggg 27180

cgacgagcgc cggcgcggag aacttctcgc cggcgcttac aaagtagtcg taatcgcggg 27240

gcagcagcac ccgtgccgtg actcgttgcg ggtgcccgcg tggccgcagg cccacctcgc 27300

acacctcgac caggtccccg aacgcgccct ccttcttgat cggcggaaac gcaagagtct 27360

ggtattcgcg cgcaaatagc gcggttccgg tggtgatgtt aacggtcagc gaagcggtgg 27420

acgcgcactg gggggtgtcg cgaatggccg ccaggcgcgc ccacgccagc cgcgcgtcgg 27480

gatgctcggc aacgcgcgcc gccagggcca tagggtcgat gtcaatgttg gcctccgcga 27540

ccaggagagc ggcgcgaggg gcggcgggcg ggccccacga cgctctctca actttcacca 27600

ccagtcccgt gcgtgggtcc gagccgatac gcagcggggc gaacagggcc accggcccgg 27660

tctggcgctc cagggccgcc aggacgcacg cgtacagcgc ccgccacaga gtcgggttct 27720

ccaggggctc cagcggggag gcggccggcg tcgtcgcggc gcgggcggcc gccacgacgg 27780

cctggacgga gacgtccgcg gagccgtaga aatcccgcag ctccgtcgcg gtgacggaga 27840

cctccgcaaa gcgcgcgcga ccctcccctg cggcgttgcg acatacaaaa tacaccaggg 27900

cgtggaagta ctcgcgagcg cgggggggca gccataccgc gtaaagggta atggcgctga 27960

cgctctcctc cacccacacg atatctgcgg tgtccatcgc acggccccta aggatcacgg 28020

gcggtctgtg ggtcccatgc tgccgtgcct ggccgggccc ggtgggttgc ggaaaccggt 28080

gacggggggg ggggcggttt ttggggttgg ggtgggaaac ggcccgggtc cgggggccaa 28140

cttggcccct cggtgcgttc cggcaacagc gccgccggtc cgcggacgac cacgtaccga 28200

acgagtgcgg tcccgagact tatagggtgc taaagttcac cgccccctgc atcatgggcc 28260

aggcctcggt ggggagctcc gacagcgccg cctccaggat gatgtcagcg ttggggttgg 28320

cgctggatga gtgcgtgcgc aaacagcgcc cccacgcggg cacgcgtagc ttgaagcgcg 28380

cgcccgcaaa ctcccgcttg tgggccataa gcagggcgta cagctgcctg tgggtccggc 28440

aggcgctgtg gtcgatgtgg tgggcgtcca acaaccccac gattgtctgt ttggtgaggt 28500

ttttaacgcg ccccgccccg ggaaacgtct gcgtgctttt ggccatctgc acgccaaaca 28560

gttcgcccca gattatcttg aacagcgcca ccgcgtggtc cgtctcacta acggacccgc 28620

gcgggggaca gccgcttagg gcgtcggcga cgcgcttgac ggcttcctcc gagagcagaa 28680

gtccgtcggt tacgttacag tggcccagtt cgaacaccag ctgcatgtag cggtcgtagt 28740

gggggggtcag caggtccagc acgtcatcgg ggccgaaggt cctcccagat cccccggccg 28800

ccgagtccca atgcaggcgc gcggccatgg tgctgcacag gcacaacagc tcccagacag 28860

gggttacgtt cagggtgggg ggcagggcca cgagctccag ctctccggtg acgttgatcg 28920

tggggatgac gcccgtggcg tagtggtcat agatccgccg aaatatggcg ctgctgcggg 28980

tggccatggg aacgcggaga caggcctcca gcaacgccag gtaaataaac cgcgtgcgtc 29040

ccatcaggct gttgaggttg cgcatgagcg cgacaatttc cgccggcgcg acatcggacc 29100

ggaggtattt ttcgacgaaa agacccacct cctccgtctc ggcggcctgg gccggcagcg 29160

acgcctcggg atcccggcac cgcagctccc gtagatcgcg ctgggccctg agggcgtcga 29220

aatgtacgcc ccgcaaaaac agacagaagt cctttggggt cagggtatcg tcgtgtcccc 29280

agaagcgcac gcgtatgcag tttagggtca gcagcatgtg aaggatgtta aggctgtccg 29340

agagacacgc cagcgtgcat ctctcaaagt agtgtttgta acggaatttg ttgtagatgc 29400

gcgacccccg ccccagcgac gtgtcgcatg ccgacgcgtc acagcgcccc ttgaaccggc 29460

gacacagcag gtttgtgacc tgggagaact gcgcgggcca ctggccgcag gaactgacca 29520

cgtggttcag gagcatgggc gtaaagacgg gctccgagcg cgccccggag ccgtccatgt 29580

aaatcagtag ctccccccttg cggagggtgc gcacccgtcc cagggactgg tacacggaca 29640

ccatgtccgg tccgtagttc atgggtttca cgtaggcgaa catgccatca aagtgcaggg 29700

gatcgaagct gaggcccacg gttacgaccg tcgtgtatat aaccacgcgg tattggcccc 29760

acgtggtcac gtccccgagg ggggtgagcg agtgaagcaa cagcacgcgg tccgtaaact 29820

gacggcagaa ccgggccacg atctccgcga aggagaccgt cgacgaaaaa atgcagatgt 29880

tatcgccccc gccaaggcgc gcttccagct ccccaaagaa cgtggccccc cgggcgtccg 29940

gagaggcgtc cggagacggg ccgctcggcg gcccgggcgg gcgcagggca gcctgcagga 30000

gctcggtccc cagacgcggg agaaacaggc accggcgcgc cgaaaacccg ggcatggcgt 30060

actcgccgac caccacatgc acgttttttt cgccccggag accgcacagg aagtccacca 30120

actgcgcgtt ggcggttgcg tccatggcga tgatccgagg acatgtgcgc agcaggcgta 30180

gcattaacgc atccacgcgg cccagttgct gcatcgttgg cgaatagagc tggcccagcg 30240

tcgacataac ctcgtccaga acgaggacgt cgtagttgtt cagaaggttg gggcccacgc 30300

gatgaaggct ttccacctgg acgataagtc ggtggaaggg gcggtcgttc ataatgtaat 30360

tggtggatga gaagtaggtg acaaagtcga ccaggcctga ctcagcgaac cgcgtcgcca 30420

gggtctgggt aaaactccga cgacaggaga cgacgagcac actcgtgtcc ggagagtgga 30480

tcgcttcccg cagccagcgg atcagcgcgg tagtttttcc cgaccccatt ggcgcgcgga 30540

ccacagtcac gcacctggcc gtcggggcgc tcgcgttggg gaaggtgacg ggtccgtgct 30600

gctgccgctc gatcgttgtt ttcgggtgaa cccggggcac ccattcggcc aaatcccccc 30660

cgtataacat ccgcgctagc gatacgctcg acgtgtactg ttcgcactcg tcgtccccaa 30720

tgggacgccc ggcccccaga ggatcccccg actccgcgcc ccccacgaaa ggcatgaccg 30780

gggcgcggac ggcgtggtgg gtctggtgtg tgcaggtggc gacgtttgtg gtctctgcgg 30840

tctgcgtcac ggggctcctc gtcctggcct ctgtgttccg ggcacggttt ccctgctttt 30900

acgccacggc gagctcttat gccggggtta actccacggc cgaggtgcgc gggggtgtag 30960

ccgtgcccct caggttggac acgcagagcc ttgtgggcac ttatgtaatc acggccgtat 31020

tgttgttggc cgcggccgtg tatgccgtgg tcggcgccgt gacctcccgc tacgaccgcg 31080

ccctggacgc gggccgccgt ctggctgcgg cccgcatggc catgccgcac gccacgctga 31140

tcgccggaaa cgtctgctct tggttgctgc agatcaccgt cctgctgctg gcccatcgca 31200

tcagccagct ggcccacctg gtttacgtcc tgcactttgc gtgtctggtg tattttgcgg 31260

cccatttttg caccaggggg gtcctgagcg ggacgtatct gcgtcaggtg cacggcctga 31320

tggagctggc cccgacccat catcgcgtcg tcggcccggc tcgcgccgtg ctgacaaacg 31380

ccttgctgtt gggcgtcttc ctgtgcacgg ccgacgccgc ggtatccctg aataccatcg 31440

ccgcgttcaa ctttaatttt tcggccccgg gcatgctcat ctgcctgacc gtgctgttcg 31500

ccattctcgt cgtatcgctg ttgttggtgg tcgaggggggt gttgtgtcac tacgtgcgcg 31560

tgttggtggg cccccacctg ggggccgttg ccgccacggg catcgtcggc ctggcctgcg 31620

agcactatta caccaacggc tactacgtgg tggagacgca gtggccgggg gcacagacgg 31680

gagtgcgcgt cgccctcgcc ctggtcgccg cctttgccct cggcatggcc gtgctccgct 31740

gcacccgcgc ctatctgtat cacaggcggc accacaccaa atttttttatg cgcatgcgcg 31800

acacgcgaca ccgcgcacat tccgccctca agcgcgtacg cagttccatg cgcggatcgc 31860

gagacggccg ccacaggccc gcgcccggca gcccgcccgg gattcccgaa tatgcggaag 31920

acccctacgc gatctcatac ggcggccagc tcgaccggta cggagattcc gacggggagc 31980

cgatttacga cgaggtggcg gacgaccaaa ccgacgtatt gtacgccaag atacaacacc 32040

cgcggcacct gcccgacgac gagcccatct atgacaccgt tgggggggtac gaccccgagc 32100

ccgccgagga ccccgtgtac agcaccgtcc gccgttggta gctgtttggt tccgttttaa 32160

taaaccgttt gtgtttaacc cgaccgtggt gtatgtctgg tgtgtggcgt ccgatcccgt 32220

tactatcacc gtccccccccc ctcaaccccg gcgattgtgg gttttttaaa aacgacacgc 32280

gtgcgaccgt atacagaaca ttattttggt ttttattcgc tatcggacat ggggggtgga 32340

aactgggtgg cggggcaggc gcctccgggg gtccgccggt gagtgtggcg cgagggggggg 32400

tccgacgaac gcaggcgcgg tctccccggg gcccgcgtaa ccacgcgcat atccgggggc 32460

acgtagaaat taccttcctc ttcggactcg atatccacga cgtcaaagtc gtgggcggtc 32520

agcgagacga cctccccgtc gtcggtgatg aggacgttgt ttcggcagca gcagggccgg 32580

gccccggaga acgagaggcc catagctcgg cgagcgtgtc gtcgaacgcc aggcggctgc 32640

ttcgctggat ggccttatag atctccggat cgatgcggac gggggtaatg atcagggcga 32700

tcggaacggc ctggttcggg agaatggacg ccttgctggg tcctgcggcc ccgagagccc 32760

cggcgccgtc ctccaggcgg aacgttacgc cctcctccgc gctggtgcgg tgcctgccga 32820

taaacgtcac cagatgcggg tgggggggggc agtcggggaa gtggctgtcg agcacgtagc 32880

cctgcaccaa gatctgctta aagttcgggt ggcgggggtt cgcgaagacg ggctcgcggc 32940

ggaccagatc cccggagctc caggacacgg gggagatggt gtggcgtccg aggtcggggg 33000

cgccaaacag aagcacctcc gagacaacgc cgctatttaa ctccaccaag gcccgatccg 33060

cggcggagca ccgccttttt tcgcccgagg cgtgggcctc tgaccaggcc tggtcttgcg 33120

tgacgagagc ctcctccggg ccggggacgc gcccgggcgc gaagtatcgc acgctgggct 33180

tcgggatcga ccggataaat gcccggaacg cctccgggga ccggtgtgcc atcaagtcct 33240

cgtacgcgga ggccgtgggg tcgctggggt ccatggggtc gaaagcgtac ttggcccggc 33300

atttgacctc gtaaaaggcc agggggggtct tggggactgg ggccaggtag ccgtgaatgt 33360

cccgaggaca gacgagaata tccagggacg ccccgaccat ccccgtgtga ccgtccatga 33420

ggaccccaca cgtatgcacg ttctcttcgg cgaggtcgct gggttcgtgg aagataaagc 33480

gccgcgtgtc ggcgccggcc tcgccgccgt cgtccgcgcg gcccacgcag tagcgaaaca 33540

gcaggcttcg ggccgtcggc tcgttcaccc gcccgaacat caccgccgaa gactgtacat 33600

ccggtcgcag gctggcgttg tgcttcagcc actggggcga gaaacacgga ccctgggggc 33660

cccagcggag ggtggatgcg gtcgtgaggc cccgccggag cagggcccat agctggcagt 33720

cggcctggtt ttgcgtggcc gcctcgtaaa accccatgag gggccggggc gccacggcgt 33780

ccgcggcggc cgggggggcg cggcgcgtca ggcgccatag gtgccggccg agtccgcggt 33840

ccaccatacc cgcctcctcg aggaccacgg ccagggaaca cagataatcc aggcgggccc 33900

agaggggacc gatggccaga ggggcgcgga cgccgcgcag caacccgcgc aggtggcgct 33960

cgaacgtctc ggctagtata tgggagggca gcgcgttggg gatcaccgac gccgaccaca 34020

tagagtcaag gtccggggag tcgggatcgg cgtccgggtc gcgggcgtgg gtgcccccag 34080

gagatagcgg aatgtccggg gtcggaggcc cggaggcgtc agaaagtgcc ggcgacgcgg 34140

cccggggctt ttcgtctgcg gtgtcggtgg cgtgctgatc acgtgggggg ttatcgggcg 34200

aatgggagct cgggtccaca gctgacgtcg tctggggtgg gggggcagg ggacggaagg 34260

tggttgtcag cggaagactg ttagggcggg ggcgcttggg ggggctgtcg gggccacgag 34320

gggtgtcctc ggccagggcc cagggacgct tagtcacggt gcgtcccggc ggacatgctg 34380

ggcctaccgt ggactccatt tccgagacga cgtgggggga gcggtggttg agcgcgccgc 34440

cgggtgaacg ctgattctca cgacagcgcg tgccgcgcgc acgggttggt gtgacacagg 34500

cgggacacca gcaccaggag aggcttaagc tcgggaggca gcgccaccga cgacagtatc 34560

gccttgtgtg tgtgctggta atttatacac cgatccgtaa acgcgcgccg aatcttggga 34620

ttgcggaggt ggcgccggat gccctctggg acgtcatacg ccaggccgtg ggtgttggtc 34680

tcggccgagt tgacaaacag ggctgggtgc agcacgcagc gataggcgag cagggccagg 34740

gcgaagtccg gcgacagctg gttgttgaaa tactggtaac cgggaaaccg ggtcacgggt 34800

acgcccaggc tcggggcgac gtacacgcta accaccaact ccagcagcgt ctggcccagg 34860

gcgtacaggt caaccgctag cccgacgtcg tgcttcaggc ggtggttggt aaattcggcc 34920

cgttcgttgt taaggtattt caccaacagc tccgggggct ggttataccc gtgacccacc 34980

agggtgtgaa agttggctgt ggttagggcg gtgggcatgc caaacatccg gggggacttg 35040

aggtccggct cctggaggca aaactgcccc cgggcgatcg tggagttgga gttgagggtg 35100

acgaggctaa agtcggcgag gacggcccgc cggagcgaga cggcgtccga ccgcagcatg 35160

acgaggatgt tggcgcactt gatatccagg tggctgatcc cgcaggtggt gtttaaaaac 35220

acaacggcac gggccagctc cgtgaagcac tggtggaggg ccgtcgagac cgaggggttt 35280

gttgtgcgca gggacgccag ttggccgata tacttaccga ggtccatgtc gtacgcgggg 35340

aacactatct gtcgttgttg cagcgagaac ccgaggggcg cgatgaagcc gcggatgttg 35400

tgggtgcggc cggcgcgtag agcgcactcc ccgaccaaca gggtcgcgat gagctcaacg 35460

gcaaaccact ccttttcctt tatggtctta acggcaagct tatgttcgcg aatcagttgg 35520

acttcgccgt atcccccaga ccccccgaag cttcgggccc cggggatctc gagggtcgtg 35580

tagtgtaggg cggggttgat ggcgaacacg gggctgcata gcttgcggat gcgcgtgagg 35640

gtgaggatgt gcgaggggga cgaggggggt gcggttaacg ccgcctggga tctgcgcagg 35700

ggcgggcggt tcagtttggc cgccgtaccg ggcgcctcgg gggacgcgcg gcgatgagac 35760

gagcggctca ttcgccatcg ggatagtccc gcgcgaagcc gctcgcggag gccggatcgg 35820

tggcggcacc cgtgggagga gcgggagacg gcggcgttct ggagagaggg gccgctgggg 35880

cgcccggagg ccccatgggg gttggagtgt atgtaggatg cgagccaatc cttgaaggac 35940

cgttggcgtg caccttgggg gctgaggtta gctgccacat gaccagcagg tcgctgtctg 36000

cgggactcat ccatccttcg gccaggtcgc cgtctcccca cagagaagcg ttggtcgctg 36060

cctcctcgag ttgctcctcc tggtccgcaa gacgatcgtc cacggcgtcc aggcgctcac 36120

caagcgccgg atcgaggtac cgtcggtgtg cggttagaaa gtcacgacgc gccgcttgct 36180

cctccacgcg aattttaaca caggtcgcgc gctgtcgcat catctctaag cgcgcgcggg 36240

actttagccg cgcctccaat tccaagtggg ccgcctttgc agccataaag gcgccaacaa 36300

accgaggatc ttgggtgctg acgccctccc ggtgcagctg cagggtctgg tccttgtaaa 36360

tctcggctcg gaggtgcgtc tcggccaggc gtcggcgcag ggccgcgtgg gcggcatctc 36420

ggtccattcc gccaccctgc gggcgacccg ggggtgctct gatagtctcg cgtgcccaag 36480

gcccgtgatc ggggtacttc gccgccgcga cccgccaccc ggtgtgcgcg atgtttggtc 36540

agcagctggc gtccgacgtc cagcagtacc tggagcgcct cgagaaacag aggcaactta 36600

aggtgggcgc ggacgaggcg tcggcgggcc tcacaatggg cggcgatgcc ctacgagtgc 36660

ccttttaga tttcgcgacc gcgaccccca agcgccacca gaccgtggtc ccgggcgtcg 36720

ggacgctcca cgactgctgc gagcactcgc cgctcttctc ggccgtggcg cggcggctgc 36780

tgtttaatag cctggtgccg gcgcaactaa aggggcgtga tttcgggggc gaccacacgg 36840

ccaagctgga attcctggcc cccgagttgg tacgggcggt ggcgcgactg cggtttaagg 36900

agtgcgcgcc ggcggacgtg gtgcctcagc gtaacgccta ctatagcgtt ctgaacacgt 36960

ttcaggccct ccaccgctcc gaagcctttc gccagctggt gcactttgtg cgggactttg 37020

cccagctgct taaaacctcc ttccgggcct ccagcctcac ggagaccacg ggcccccca 37080

aaaaacgggc caaggtggac gtggccaccc acggccggac gtacggcacg ctggagctgt 37140

tccaaaaaat gatccttatg cacgccacct actttctggc cgccgtgctc ctcggggacc 37200

acgcggagca ggtcaacacg ttcctgcgtc tcgtgtttga gatccccctg tttagcgacg 37260

cggccgtgcg ccacttccgc cagcgcgcca ccgtgtttct cgtcccccgg cgccacggca 37320

agacctggtt tctggtgccc ctcatcgcgc tgtcgctggc ctcctttcgg gggatcaaga 37380

tcggctacac ggcgcacatc cgcaaggcga ccgagccggt gtttgaggag atcgacgcct 37440

gcctgcgggg ctggttcggt tcggcccgag tggaccacgt taaaggggaa accatctcct 37500

tctcgtttcc ggacgggtcg cgcagtacca tcgtgtttgc ctccagccac aacacaaacg 37560

taagtcctct tttctttcgc atggctctcc caaggggccc cgggtcgacc cgacccacac 37620

ccacccaccc acatacacac acaaccagac gcgggaggaa agtctgcccc gtgggcactg 37680

atttttattc gggatcgctt gaggaggccc gggcaacggc ccgggcaacg gtggggcaac 37740

tcgtagcaaa taggcgactg atgtacgaag agaagacaca caggcgccac ccggcgctgg 37800

tcgggggggat gttgtccgcg ccgcaccgtc ccccgacgac ctcttgcaga cggtccgtga 37860

tgcaaggacg gcgggggggcc tgcagcaggg tgaccgtatc cacgggatgg ccaaagagaa 37920

gcggacacag gctagcatcc ccctggaccg ccagggtaca ctgggccatc ttggcccaca 37980

gacacggggc gacgcaggga caggactccg ttacgacgga ggagagccac agtgcgttgg 38040

cggaatcgat gtggggcggc ggggcgcagg actcgcagcc ccccgggtgg ttagtgatcc 38100

tggccaggag ccatcccaga tggcgggccc tgcttcccgg tggacagagc gaccccaggt 38160

cgctgtccat ggcccagcag tagatctggc cgctggggag gtgccaccag gccccgggc 38220

ccaaggcgca gcacgcgccc ggctccgggg gggtcttcgc ggggaccaga tacgcgccat 38280

ccagctcgcc gaccactggc tcctccgcga gctgttcggt ggttgggtcg ggggtttcct 38340

ccgggggggt ggccgcccgt atgcgggcga acgtgagggt gcacaggagc ggggtcaggg 38400

ggtgcgtcac gctccggagg tggacgatcg cgcagtagcg gcgctcgcgg ttaaagaaaa 38460

agagggcaaa gaaggtgttc gggggcaacc gcagcgcctt ggggcgcgtc agatacagaa 38520

aaatctcgca gaagagggcg cgcccggggt ctgggttagg aagggccacc tgacacagag 38580

gctcggtgag gaccgttaga caccgaaaga tcttgagccg ctcgtccgcc cgaacgacgc 38640

gccacacaaa gacggagttg acaatgcgcg cgatagagtc gacgtccgtc cccaggtcgt 38700

cgactctgtc gcgcgtgccg cgagctccgg cccgggaatc cggccggggc aaggtccccg 38760

ggggaccagg cggcgccagg ggccgccggg gtcccagctg cgccatgccg ggggcggggg 38820

gagggcaaac cccagaggcg ggggccaacg gcgcggggag gagtggatgg gcgaggtggc 38880

cgggggaagg cgcccgctag cgagaacggc cgttcccgga cgacaccttg cgacaaaacc 38940

taaggacagc ggcccgcgcg acggggtccg agaggctaag gtaggccgcg atgttaatgg 39000

tgaacgcaaa gccgccggga aagacaacta tgccacagag gcggcgatta aaccccaggc 39060

agaggtaggc gtagctttcc ccgggcaggt attgctcgca gaccctgcgt ggggctgtgg 39120

aggggacggc ctccatgaag cgacatttac tctgctcgcg tttactgacg tcaccatcca 39180

tcgccacggc gattggacga ttgttaagcc gcagcgtgtc tccgcttgtg ctgtagtagt 39240

caaaaacgta atggccgtcg gagtcggcaa agcgggccgg gaggtcgtcg ccgagcggga 39300

cgacccgccg cccccgaccg ccccgtcccc ccaggtgtgc caggacggcc agggcatacg 39360

cggtgtgaaa aaaggcgtcg ggggcggtcc cctcgacggc gcgcatcagg ttctcgagga 39420

gaatggggaa gcgcctggtc acctccccca gccacgcgcg ttggtcgggg ccaaagtcat 39480

agcgcaggcg ctgtgagatt cgcgggccgc cctgaagcgc ggcccggatg gcctggccca 39540

gggcccggag gcacgccaga tgtatgcgcg cggtaaaggc gacctcggcg gcgatgtcaa 39600

agggcggcag gacggggcgc gggtggcgca ggggcacctc gagcgcggga aagcggagca 39660

gcagctccgc ctgcccagcg ggagacagct ggtgggggcg cacgacgcgt tctgcggcgc 39720

aggcctcggt cagggccgtg gccagcgccg aggacagcag cggagggcgg gcgcgtcgcc 39780

cgccccacgc cactgagttc tcgtaggaga cgacgacgaa gcgctgcttg gttccgtagt 39840

ggtggcgcag gaccacggag atagaacgac ggctccacag ccagtccggc cggtcgccgc 39900

cggccagggc ttcccatccg cgatccaacc actcgaccag cgaccgcggc tttgtggtac 39960

caggggtaag ggttagaacg tcgttcagga tgtcctcgcc cccgggcccg tggggcgctg 40020

gggccacaaa gcggcccccg ccgggggggct ccagacccgc cagcaccgca tctgcgtcag 40080

ccgcccccat ggcgcccccg ctgacggcct ggtgaaccag ggcgccctgg cggagccccg 40140

atgcaacgcc acaggccgca cgcccggtcc gagcgcggac cgggtggcgg cgggtgacgt 40200

cctgcactgc ccgctgaacc aacgcgagga tctcctcgtt ctcctgtgcg atggacacgt 40260

cctgggccgc ggtcgtgtcg ccgccggggg ccgtcagctg ctcctccggg gagatggggg 40320

ggtcggacgc cccgacgatg ggcgggtctg cgggcgcccc cgcgtggggc cgggccaagg 40380

gctgcggacg cggggacgcg ctttccccca gacccatgga caggtgggcc gcggcctcct 40440

tcgcggccgg cggggcggcg gcgccaagca gagcgacgta gcggcacaaa tgccgacaga 40500

cgcgcatgat gcgcgtgctg tcggccgcgt agcgcgtgtt gggggggacg agctcgtcgt 40560

aactaaacag aatcacgcgg gcacagctcg cccccgagcc ccacgcgagg cgcagcgccg 40620

ccacggcgta cgggtcatag acgccctgcg cgtcacacac cacgggcagg gagacgaaca 40680

acccccggc gctggacgca cgcggaagga ggccagggtg tgccggcacg acgggggcca 40740

gaagctcccc caccgcatcc gcgggcacgt aggcggcaaa cgccgtgcac cacggggtac 40800

agtcgccggt ggcatgagcc cgagtctgga tttcgacctg gaagtttgcg gccgtcccga 40860

gtccggggcg gccgcgcatc agggcggcca gagggattcc cgcggccgcc aggcactcgc 40920

tggatatgat gacgtgaacc aaagacgagg gccgacccgg gccgtggccg agatcgtact 40980

ggacctcgtt ggccaagtgc gcgttcatgg ttcggggtgg gtgtgggtgt gtaggcgatg 41040

cgggtccccc gagtccgcgg gaagggcgtg ggtttggcgc gcgtatgcgt attcgccaac 41100

ggaggcgtgc gtgcttatgc gcggcgcgtt tcttctgtct ccagggaatc cgaggccagg 41160

actttaacct gctctttgtc gacgaggcca actttattcg cccggatgcg gtccagacga 41220

ttatgggctt tctcaaccag gccaactgca agattatctt cgtgtcgtcc accaacaccg 41280

ggaaggccag tacgagcttt ttgtacaacc tccgcggggc cgccgacgag cttctcaacg 41340

tggtgaccta tatatgcgat gatcacatgc cgagggtggt gacgcacaca aacgccacgg 41400

cctgttcttg ttatatcctc aacaagcccg ttttcatcac gatggacggg gcggttcgcc 41460

ggaccgccga tttgtttctg gccgattcct tcatgcagga gatcatcggg ggccaggcca 41520

gggagaccgg cgacgaccgg cccgttctga ccaagtctgc gggggagcgg tttctgttgt 41580

accgcccctc gaccaccacc aacagcggcc tcatggcccc cgatttgtac gtgtacgtgg 41640

atcccgcgtt cacggccaac acccgagcct ccgggaccgg cgtcgctgtc gtcgggcggt 41700

accgcgacga ttatatcatc tttgccctgg agcacttttt tctccgcgcg ctcacgggct 41760

cggcccccgc cgacatcgcc cgctgcgtcg tccacagtct gacgcaggtc ctggccttgc 41820

atcccggggc gtttcgcggc gtccgggtgg cggtcgaggg aaatagcagc caggactcgg 41880

ccgtcgccat cgccacgcac gtgcacacag agatgcaccg cctactggcc tcggaggggg 41940

ccgacgcggg ctcgggcccc gagcttctct tctaccactg cgagcctccc gggagcgcgg 42000

tgctgtaccc ctttttcctg ctcaacaaac agaagacgcc cgcctttgaa cactttatta 42060

aaaagtttaa ctccgggggc gtcatggcct cccaggagat cgtttccgcg acggtgcgcc 42120

tgcagaccga cccggtcgag tatctgctcg agcagctgaa taacctcacc gaaaccgtct 42180

cccccaacac tgacgtccgt acgtattccg gaaaacggaa cggcgcctcg gatgacctta 42240

tggtcgccgt cattatggcc atctaccttg cggcccaggc cggacctccg cacacattcg 42300

ctcccatcac acgcgtttcg tgagcgccca ataaacacac ccaggtatgc tacgcacgac 42360

cacggtgtcg cctgttaagg ggggggaagg gggtgttggc gggaagcgtg ggaacacggg 42420

ggattctctc acgaccggca ccagtaccac ccccctgtga acacagaaac ccaacccaaa 42480

tcccataaac atacgacaca caggcatatt ttggaatttc ttgggttttt atttatttag 42540

gtatgctggg gtttctccct ggatgcccac cccccacccc cccccgtggg tctagccggg 42600

ccttagggat agcgtataac gggggccatg tctccggacc gcacaacggc cgcgccgtca 42660

aaggtgcaca cccgaaccac gggagccagg gccaaggtgt ctcctagttg gcccgcgtgg 42720

gtcagccagg cgacgagcgc ctcgtaaagc ggcagccttc gctctccatc ctgcaccagg 42780

gccggggctt cggggtgaat gagctgggcg gcctcccgcg tgacactctg catctgcagg 42840

agagcgttca cgtacccgtc ctgggcactt agcgcaaaga gccgggggat tagcgtaagg 42900

atgatggtgg ttccctccgt gatcgagtaa accatgttaa ggaccagcga tcgcagctcg 42960

gcgtttacgg gaccgagttg ttggacgtcc gccagcagcg agaggcgact cccgttgtag 43020

tacagcacgt tgaggtctgg cagccctccg gggtttctgg ggctggggtt caggtcccgg 43080

atgcccctgg ccacgagccg cgccacgatt tcgcgcgcca ggggcgatgg aagcggaacg 43140

ggaaaccgca acgtgaggtc cagcgaatcc aggcgcacgt ccgtcgcttg gccctcgaac 43200

acgggcggga cgaggctgat ggggtccccg ttacagagat ctacgggggа ggtgttgcga 43260

aggttaacgg tgccggcgtg ggtgaggccc acgtccaggg gacaggcgac gattcgcgtg 43320

ggaagcaccc gggtgatgac cgcggggaag cgccttcggt acgccagcaa caaccccaac 43380

gtgtcgggac tgacgcctcc ggagacgaag gattcgtgcg ccacgtcggc cagcgtcagt 43440

tgccggcgga tggtcggcag gaataccacc cgcccttcgc agcgctgcag cgccgccgca 43500

tcggggcgcg agatgcccga gggtatcgcg atgtcagttt caaagccgtc cgccagcatg 43560

gcgccgatcc acgcggcagg gagtgcagtg gtggttcggg tggcgggagg agcgcggtgg 43620

gggtcagcgg cgtagcagag acgggcgacc aacctcgcat aggacggggg gtgggtctta 43680

gggggttggg aggcgacagg gaccccagag catgcgcggg gaggtctgtc gggcccagac 43740

gcaccgagag cgaatccgtc cacggagtcc cggtctgggt tttatggggc ccggccctcg 43800

gaatcgcggc ttgtcggcgg ggacaaaggg ggcggggcta gggggcttgc ggaaacagaa 43860

gacgcgtggg ataaaagaat cgcactaccc caaggaaggg cggggcggtt tattacagag 43920

ccagtccctt gagcggggat gcgtcataga cgagatactg cgcgaagtgg gtctcccgcg 43980

cgtgggcttc cccgttgcgg gcgctgcgga ggagggcggg gtcgctggcg caggtgagcg 44040

ggtaggcctc ctgaaacagg ccacacgggt cctccacgag ttcgcggcac cccgggggggc 44100

gcttaaactg tacgtcgctg gcggcggtgg ccgtggacac cgccgaaccc gtctccacga 44160

tcaggcgctc caggcagcga tgtttggcgg cgatgtcggc cgacgtaaag aacttaaagc 44220

aggggctgag caccggcgag gccccgttga ggtggtaggc cccgttatag agcaggtccc 44280

cgtacgaaaa tcgctgcgac gcccacgggt tggccgtggc cgcaaaggcc cgggacgggt 44340

cgctctggcc gtggtcgtac atgagggcgg tgacatcccc ctccttgtcc cccgcgtaaa 44400

cgcccccggc ggcgcgtccc cgggggttgc agggccggcg gaagtagttg acgtcggtcg 44460

acacgggggt ggcgataaac tcacacacgg cgtcctggcc gtggtccatc cctgcgcgcc 44520

gcggcacctg ggcgcacccg aacacgggga cgggctgggc cggccccagg cggtttcccg 44580

ccacgaccgc gttccgcagg tacacggctg ccgcgttgtc caggagaggg ggagccccgc 44640

ggcccaggta aaagttttgg ggaaggttgc ccatgtcggt gacggggttg cggacggttg 44700

ccgtggccac gacggcggtg tagcccacgc ccaggtccac gttcccgcgc ggctgggtga 44760

gcgtgaagtt tacccccccg ccagtttcgt gccgggccac ctggagctgg cccaggaagt 44820

acgcctccga cgcgcgctcc gagaacagca tgttctcagt cacaaagcgg tcctgtcgga 44880

cgacggtgaa cccaaacccg ggatggaggc ccgtcttgag ctgatgatgc aaggccacgg 44940

gactgatctt gaagtacccc gccatgagcg cgtaggtcag cgcgttctcc ccggccgcgc 45000

tctcgcggac gtgctgcacg acgggctgtc ggatcgacga aaagtagttg gcccccagag 45060

ccgggggggac cagggggacc tgccgcgaca ggtcgcgcag ggccgggggg aaattgggcg 45120

cgttcgccac gtggtcggcc ccggcgaaca gcgcgttgac gggaaggggg taaaaatagt 45180

cgccattttg gatggtatgg tccagatgct ggggggccat cagcaggatt ccggcgtgca 45240

acgccccgtc gaatatgcgc atgttggtgg tggacgcggt gttggcgccc gcgtcgggcg 45300

ccgccgagca gagcagcgcc gttgtgcgtt cggccatgtt gtgggccagc acctgcagcg 45360

tgagcatggc gggcccgtcc actaccacgc gcccgttgtg aaacatggcg ttgaccgtgt 45420

tggccaccag attggccggg tgcaggggggt gcgcggggtc cgtcacgggg tcgctggggc 45480

actcctcgcc gggggcgatc tccgggacca ccatgttctg cagggtggcg tatacgcggt 45540

cgaagcgaac ccccgcggtg cagcagcggc cccgcgagaa ggcgggcacc atcacgtagt 45600

agtaaatctt gtggtgcacg gtccagtccg ccccccggtg cggccggtca tccgcggcgt 45660

ccgcggctcg ggcctgggtg ttgtgcagca gctggccgtc gttgcggttg aagtccgcgg 45720

tcgccacgtt acatgccgcc gcgtacacgg ggtcgtggcc ccccgcgcta acccggcagt 45780

cgcgatggcg gtccagggcc gcgcgccgca tcagggcgtc acagtcccac acgaggggtg 45840

gcagcagcgc cgggtctcgc attaggtgat tcagctcggc ttgcgcctgc ccgcccagct 45900

ccgggccggt cagggtaaag tcatcaacca gctgggccag ggcctcgacg tgcgccacca 45960

ggtcccggta cacggccatg cactcctcgg gaaggtctcc cccgaggtag gtcacgacgt 46020

acgagaccag cgagtagtcg ttcacgaacg ccgcgcaccg cgtgttgttc cagtagctgg 46080

tgatgcactg gacaacgagc cgggccaggg cgcagaagac gtgctcgctg ccgtgtatgg 46140

cggcctgcag caggtaaaac accgccgggt agttgcggtc gtcgaacgcc ccgcgaacgg 46200

cggcgatggt ggcgggggcc atggcgtggc gtcccacccc cagctccagg ccccgggcgt 46260

cccggaacgc cgccggacat agcgccaggg gcaagttgcc gttcaccacg cgccaggtgg 46320

cctggatctc ccccgggccg gccgggggaa cgtccccccc cggcagctcc acgtcggcca 46380

cccccacgaa gaagtcgaac gcggggtgca gctcaagagc caggttggcg ttgtcgggct 46440

gcataaactg ctccggggtc atctggcctt ccgcgaccca tcggacccgc ccgtgggcca 46500

ggcgctgccc ccaggcgttc aaaaacagct gctgcatgtc tgcggcgggg ccggccgggg 46560

ccgccacgta cgccccgtac ggattggcgg cttcgacggg gtcgcggtta aggcccccga 46620

ccgccgcgtc aacgttcatc agcgaagggt ggcacacggt cccgatcgcg tgttccagag 46680

acaggcgcag cacctggcgg tccttccccc aaaaaaacag ctggcggggc gggaaggcgc 46740

ggggatccgg gtggccgggg gcggggacta ggtccccggc gtgcgcggca aaccgttcca 46800

tgaccggatt gaacaggccc aggggcagga cgaacgtcag gtccatggcg cccaccaggg 46860

ggtagggaac gttggtggcg gcgtagatgc gcttctccag ggcctccaga aagaccagct 46920

tctcgccgat ggacaccaga tccgcgcgca cgcgcgtcgt ctgggggggcg ctctcgagct 46980

cgtccagcgt ctgccggttc aggtcgagct gctcctcctg catctccagc aggtggcggc 47040

ccacgtcgtc cagacttcgc acggccttgc ccatcacgag cgccgtgacc aggttggccc 47100

cgttcaggac catctcgccg tacgtcaccg gcacgtcggc ttcggtgtcc tccactttca 47160

ggaaggactg caggaggcgc tgtttgatcg gggctgtggt gactagcacc ccgtcgaccg 47220

gccgcccgcg cgtgtcggca tgcgtcagac ggggcacggc cacggagggc tgcgtggccg 47280

tggtgaggtc cacgagccag gcctcgacgg cctcccggcg gtggcccgcc ttgcccagga 47340

aaaagctcgt ctcgcagaag cttcgcttta gctcggcgac cagggtcgcc cgggccaccc 47400

tggtggccag gcggccgttg tccaggtatc gttgcatcgg caacaacaaa gccaggggcg 47460

gcgccttttc cagcagcacg tgcagcatct ggtcggccgt gccgcgctca aacgccccga 47520

ggacggcctg gacgttgcga gcgagctgtt ggatggcgcg caactggcga tgcgcgctga 47580

tacccgtccc gtccagggcc tcccccgtga gcagggcgat ggcctcggtg gccaggctga 47640

aggcggcgtt cagggcccgg cggtcgataa tcttggtcat gtaattgtgt gtgggttgct 47700

cgatggggtg cgggccgtcg cgggcaatca gcggctggtg gacctcgaac tgtacgcgcc 47760

cctcgttcat gtaggccagc tccggaaact tggtacacac gcacgccacc gacaacccga 47820

gctccagaaa gcgcacgagc gacagggtgt tgcaatacga ccccagcagg gcgtcgaact 47880

cgacgtcgta caggctgttt gcatcggagc gcacgcggga aaaaaaatcg aacaggcgtc 47940

gatgcgacgc cacctcgatc gtgctaagga gggacccggt cggcaccatg gccgcggcat 48000

accggtatcc cggagggtcg cggttgggag cggccatggg gtcgcgtgga gatcggctgt 48060

ctctagcgat attggcccgg ggaggctaag atccacccca acgcccggcc acccgtgtac 48120

gtgcccgacg gcccaaggtc caccgaaaga cacgacggac ccggacccaa agaggcgggg 48180

gatgctgtgt gagaggccgg gtgtcggtcg ggggggaaag gcaccgggag aaggctgcgg 48240

cctcgttcca ggagaaccca gtgtccccaa cagacccggg gacgtgggat ccccggcctt 48300

atataccccc ccccgcccca cccccgttag aacgcgacgg gtgcattcaa gatggccctg 48360

gtccaaaagc gtgccaggaa gaaattggca gaggcggcaa agctgtccgc cgccgccacc 48420

cacatcgagg ccccggccgc acaggctatc cccagggccc gtgtgcgcag gggatcggtg 48480

ggtggcagca tttggttggt ggcgataaag tggaaaagcc cgtccggact gaaggtctcg 48540

tgggcggcgg cgaacaaggc acacagggcc gtgcctccca aaaacacgga catcccccaa 48600

aacacgggcg ccgacaacgg cagacgatcc ctcttgatgt taacgtacag gaggagcgcc 48660

cgcaccgccc acgtaacgta gtagccgacg atggcggcca ggatacaggc cggcgccacc 48720

acccttccgg tcagcccgta atacatgccc gctgccacca tctccaacgg cttcaggacc 48780

aaaaacgacc aaaggaacag aatcacgcgc tttgaaaaga ccggctgggt atggggcgga 48840

agacgcgagt atgccgaact gacaaaaaaa tcagaggtgc cgtacgagga caatgaaaac 48900

tgttcctcca gcggcagttc tccctcctcc cccccgaagg cggcctcgtc gaccagatct 48960

cgatccacca gaggaaggtc atcccgcatg gtcatggggt gtgcggtgga ggtggggaga 49020

ccgaaaccgc aaagggtcgc ttacgtcagc aggatcccga gatcaaagac acccgggttc 49080

ttgcacaaac accacccggg ttgcatccgc ggaggcgagt gttttgataa ggccgttccg 49140

cgccttgata taacctttga tgttgaccac aaaacccgga atttacgcct acgccccaat 49200

gcccacgcaa gatgaggtag gtaacccccc cgtgggtgtg acgttgcgtt tagttcattg 49260

gaggccaagg ggaaaaatgg ggtggggagg aaacggaaaa cccagtaggc cgtgtcggga 49320

acacgcccgg ggttgtcctc aaaaggcagg gtccatacta cggaagccgt cgttgtattc 49380

gagacctgcc tgtgcgacgc acgtcggggt tgcctgtgtc cggttcggcc cccaccgcgt 49440

gcggcacgca cgaggacgag tccgcgtgct ttattggcgt tccaagcgtt gccctccagt 49500

ttctgttgtc ggtgttcccc catacccacg cccacatcca ccgtaggggg cctctgggcc 49560

gtgttacgtc gccgcccgcg atggagctta gctacgccac caccatgcac taccgggacg 49620

ttgtgtttta cgtcacaacg gaccgaaacc gggcctactt tgtgtgcggg gggtgtgttt 49680

attccgtggg gcggccgtgt gcctcgcagc ccggggagat tgccaagttt ggtctggtcg 49740

ttcgagggac aggcccagac gaccgcgtgg tcgccaacta tgtacgaagc gaactccgac 49800

aacgcggcct gcaggacgtg cgtcccattg gggaggacga ggtgtttctg gacagcgtgt 49860

gtcttctaaa cccgaacgtg agctccgagc tggatgtgat taacacgaac gacgtggaag 49920

tgctggacga atgtctggcc gagtactgca cctcgctgcg aaccagcccg ggtgtgctaa 49980

tatccgggct gcgcgtgcgg gcgcaagaca gaatcatcga gttgtttgaa cacccaacga 50040

tagtcaacgt ttcctcgcac tttgtgtata ccccgtcccc atacgtgttc gccctggccc 50100

aggcgcacct cccccggctc ccgagctcgc tggaggccct ggtgagcggc ctgtttgacg 50160

gcatccccgc cccacgccag ccacttgacg cccacaaccc gcgcacggat gtggttatca 50220

cgggccgccg cgccccacga cccatcgccg ggtcgggggc ggggtcgggg ggcgcgggcg 50280

ccaagcgggc caccgtcagc gagttcgtgc aagtcaaaca cattgaccgc gtgggccccg 50340

ctggcgtttc gccggcgcct ccgccaaaca acaccgactc gagttccctg gtgcccgggg 50400

cccaggattc cgccccgccc ggccccacgc taagggagct gtggtgggtg ttttatgccg 50460

cagaccgggc gctggaggag ccccgcgccg actctggcct cacccgcgag gaggtacgtg 50520

ccgtacgtgg gttccgggag caggcgtgga aactgtttgg ctccgcgggg gccccgcggg 50580

cgtttatcgg ggccgcgttg ggcctgagcc ccctccaaaa gctggccgtt tactactata 50640

tcatccaccg agagaggcgc ctgtcccccc tccccgcgct agtccggctc gtaggccggt 50700

acacacagcg ccacggcctg tacgtccctc ggcccgacga cccagtcttg gccgatgcca 50760

tcaacgggct ggttcgcgac gcgctggcgg ccggaaccac agccgagcag ctcctcatgt 50820

tcgaccttct ccccccaaag gacgtgccgg tgggaagcga cgtgcaggcc gacagcaccg 50880

ctctgctgcg ctttatagaa tcgcaacgtc tcgccgtccc cgggggggtg atctcccccg 50940

agcacgtcgc gtaccttggt gcgttcctga gcgtgctgta cgctggccgc gggcgcatgt 51000

ccgcagcaac gcacaccgcg cggctgacag gggtgacctc cctggtgcta gcggtgggtg 51060

acgtggaccg tctttccgcg tttgaccgcg gagcggcggg cgcggccagc cgcacgcggg 51120

ccgccgggta cctggatgtg cttcttaccg ttcgtctcgc tcgctccaaa cacggacagt 51180

ctgtgtaaca gaccccaata aacgtatgtc gctaccacac ccttgtgtgt caatggacgc 51240

ctctccgggg gggaagggaa aacaaagagg ggctgggggа gcggcaccac tggggcctga 51300

acaaacaaac aaaccacaga cacggttaca gtttattcgg tcgggcggat aaacggccga 51360

agccacgccc cctttattcg cgtctccaaa aaaacgggac acttgtccgg agaaccttta 51420

ggatgccagc cagggcggcg gtaatcataa ccacgcccag cgcagaggcg gccagaaacc 51480

cgggcgcaat tgcggccacg ggctgcgtgt caaaggctag caaatgaatg acggttccgt 51540

ttggaaatag caacaaggcc gtggacggca cgtcgctcga aaacacgctc ggggcgccct 51600

ccgtcggccc ggcggcgatt tgctgctgtg tgttgtccgt atccaccagc aacacagaca 51660

tgacctcccc ggctggggtg tagcgcataa acacggcccc cacgagcccc aggtcgcgct 51720

ggttttgggt gcgcaccagc cgcttggact cgatatcccg ggtggagcct tcgcatgtcg 51780

cggtgaggta ggttaggaac agtgggcgtc ggacgtcgac gccggtgagc ttgtagccga 51840

tcccccgggg cagaggggag tgggtgacga cgtagctggc gttgtgggtg atgggtacca 51900

ggatccgtgg ctcgacgttg gcagactgcc ccccgcaccg atgtgaggcc tcagggacga 51960

aggcgcggat cagggcgttg tagtgtgccc agcgcgtcag ggtcgaggcg aggccgtggg 52020

tctgctgggc caggacttcg accggggtct cggatcgggt ggcttgagcc agcgcgtcca 52080

ggataaacac gctctcgtct agatcaaagc gcagggaggc cgcgcatggc gaaaagtggt 52140

ccggaagcca aaagagggtt ttctggtggt cggcccgggc cagcgcggtc cggaggtcgg 52200

cgttggtcgc tgcggcgacg tcggacgtac acagggccga tgctatcaga aggctccggc 52260

gggcgcgttc ccgctgcacc gccgagggga cgcccgccaa gaacggctgc cggaggacag 52320

ccgaggcgta aaatagcgcc cggtggacga ccggggtggt cagcacgcgg ccccctagaa 52380

actcggcata cagggcgtcg atgagatggg ctgcgctggg cgccactgcg tcgtacgccg 52440

aggggctatc cagcacgaag gccagctgat agcccagcgc gtgtaatgcc aagctctgtt 52500

cgcgctccag aatctcggcc accaggtgct ggagccgagc ctctagctgc aggcgggccg 52560

tgggatccaa gactgacaca ttaaaaaaca cagaatccgc ggcacagccc gcggccccgc 52620

gggcggccaa cccggcaagc gcgcgcgagt gggccaaaaa gcctagcagg tcggagaggc 52680

agaccgcgcc gtttgcgtgg gcggcgttca cgaaagcaaa acccgacgtc gcgagcagcc 52740

ccgttaggcg ccagaagaga ggggggcgcg ggccctgctc ggcgcccgcg tcccccgaga 52800

aaaactccgc gtatgcccgc gacaggaact gggcgtagtt cgtgccctcc tccgggtagc 52860

cgcccacgcg gcggagggcg tccagcgcgg agccgttgtc ggcccgcgtc agggacccta 52920

ggacaaagac ccgataccgg gggccgcccg ggggcccggg aagagccccc ggggggtttt 52980

cgtccgcggg gtccccgacc cgatctagcg tctggcccgc ggggaccacc atcacttcca 53040

ccggagggct gtcgtgcatg gatatcacga gccccatgaa ttcccgcccg tagcgcgcgc 53100

gcaccagcgc ggcatcgcac ccgagcacca gctcccccgt cgtccagatg cccacgggcc 53160

acgtcgaggc cgacggggag aaatacacgt acctacctgg ggatctcaac aggccccggg 53220

tggccaacca ggtcgtggac gcgttgtgca ggtgcgtgat gtccagctcc gtcgtcgggt 53280

gccgccgggc cccaaccggc ggtcgggggg gcggtgtatc acgcggcccg cttgggtggc 53340

tcgccgtcgc cacgttgtct ccccgcggga acgtcagggc ctcggggtca gggacggccg 53400

aaaacgttac ccaggcccgg gaacgcagca acacggaggc gactggattg tacaagagac 53460

ccttaagggg ggcgaccgag gggggaggct gggcggtcgg ctcgaccgtg gtgggggcgg 53520

gcaggctcgc gttcgggggc cggccgagca ggtaggtctt cgggatgtaa agcagctggc 53580

cggggtcccg cggaaactcg gccgtggtga ccaatacaaa acaaaagcgc tcctcgtacc 53640

agcgaagaag gggcagagat gccgtagtca ggtttagttc gtccggcggc gccagaaatc 53700

cgcgcggtgg tttttggggg tcgggggtgt ttggcagcca cagacgcccg gtgttcgtgt 53760

cgcgccagta catgcggtcc atgcccaggc catccaaaaa ccatgggtct gtctgctcag 53820

tccagtcgtg gacctgaccc cacgcaacgc ccaaaataat aacccccacg aaccataaac 53880

cattccccat gggggacccc gtccctaacc cacggggccc gtggctatgg cagggcttgc 53940

cgccccgacg ttggctgcga gccctgggcc ttcacccgaa cttgggggggt ggggtgggga 54000

aaaggaagaa acgcgggcgt attggcccca atggggtctc ggtggggtat cgacagagtg 54060

ccagccctgg gaccgaaccc cgcgtttatg aacaaacgac ccaacacccg tgcgttttat 54120

tctgtctttt tattgccgtc atagcgcggg ttccttccgg tattgtctcc ttccgtgttt 54180

cagttagcct cccccatctc ccgggcaaac gtgcgcgcca ggtcgcagat cgtcggtatg 54240

gagccggggg tggtgacgtg ggtctggacc atcccggagg taagttgcag cagggcgtcc 54300

cggcagccgg cgggcgattg gtcgtaatcc aggataaaga cgtgcatggg acggaggcgt 54360

ttggccaaga cgtccaaggc ccaggcaaac acgttgtaca ggtcgccgtt gggggccagc 54420

aactcggggg cccgaaacag ggtaaataac gtgtccccga tatggggtcg tgggcccgcg 54480

ttgctctggg gctcggcacc ctggggcggc acggccgtcc ccgaaagctg tccccaatcc 54540

tcccgccacg acccgccgcc ctgcagatac cgcaccgtat tggcaagcag cccgtaaacg 54600

cggcgaatcg cggccagcat agccaggtca agccgctcgc cggggcgctg gcgtttggcc 54660

aggcggtcga tgtgtctgtc ctccggaagg gcccccaaca cgatgtttgt gccgggcaag 54720

gtcggcggga tgagggccac gaacgccagc acggcctggg gggtcatgct gcccataagg 54780

tatcgcgcgg ccgggtagca caggagggcg gcgatgggat ggcggtcgaa gatgagggtg 54840

agggccgggg gcggggcatg tgagctccca gcctcccccc cgatatgagg agccagaacg 54900

gcgtcggtca cggcataagg catgcccatt gttatctggg cgcttgtcat taccaccgcc 54960

gcgtccccgg ccgatatctc accctggtcg aggcggtgtt gtgtggtgta gatgttcgcg 55020

attgtctcgg aagcccccag cacctgccag taagtcatcg gctcgggtac gtagacgata 55080

tcgtcgcgcg aacccagggc caccagcagt tgcgtggtgg tggttttccc catcccgtga 55140

ggaccgtcta tataaacccg cagtagcgtg ggcattttct gctccaggcg gacttccgtg 55200

gcttcttgct gccggcgagg gcgcaacgcc gtacgtcggt tgctatggcc gcgagaacgc 55260

gcagcctggt cgaacgcaga cgcgtgttga tggcaggggt acgaagccat acgcgcttct 55320

acaaggcgct tgccgaagag gtgcgggagt ttcacgccac caagatctgc ggcacgctgt 55380

tgacgctgtt aagcgggtcg ctgcagggtc gctcggtgtt cgaggccaca cgcgtcacct 55440

taatatgcga agtggacctg ggaccgcgcc gccccgactg catctgcgtg ttcgaattcg 55500

ccaatgacaa gacgctgggc ggggtttgtg tcatcataga actaaagaca tgcaaatata 55560

tttcttccgg ggacaccgcc agcaaacgcg agcaacgggc cacggggatg aagcagctgc 55620

gccactccct gaagctcctg cagtccctcg cgcctccggg tgacaagata gtgtacctgt 55680

gccccgtcct ggtgtttgtc gcccaacgga cgctccgcgt cagccgcgtg acccggctcg 55740

tcccgcagaa ggtctccggt aatatcaccg cagtcgtgcg gatgctccag agcctgtcca 55800

cgtatacggt ccccatggag cctaggaccc agcgagcccg tcgccgccgc ggcggcgccg 55860

cccgggggtc tgcgagcaga ccgaaaaggt cacactctgg ggcgcgcgac ccgcccgagt 55920

cagcggcccg ccagttacca cccgccgacc aaaccccccgc ctccacggag ggcgggggggg 55980

tgcttaagag gatcgcggcg ctcttctgcg tgcccgtggc caccaagacc aaaccccgag 56040

ccgcctccga atgagagtgt ttcgttcctt ccccctcccc ccgcgtcaga caaaccctaa 56100

ccaccgctta agcggccccc gcgaggtccg aagactcatt tggatccggc gggagccacc 56160

cgacaacagc ccccgggttt tcccacgcca gacgccggtc cgctgtgcca tcgcgccccc 56220

tcatcccacc ccccatcttg tccccaaata aaacaaggtc tggtagttag gacaacgacc 56280

gcagttctcg tgtgttattt tcgctctccg cctctcgcag atggacccgt actgcccatt 56340

tgacgctctg gacgtctggg aacacaggcg cttcatagtc gccgattccc gaaacttcat 56400

caccccgag ttcccccggg acttttggat gtcgcccgtc tttaacctcc cccgggagac 56460

ggcggcggag caggtggtcg tcctacaggc ccagcgcaca gcggctgccg ctgccctgga 56520

gaacgccgcc atgcaggcgg ccgagctccc cgtcgatatc gagcgccggt tacgcccgat 56580

cgaacggaac gtgcacaaga tcgcaggcgc cctggaggcg ctggagacgg cggcggccgc 56640

cgccgaagag gcggatgccg cgcgcgggga tgagccggcg ggtgggggcg acgggggggc 56700

gcccccgagt ctggccgtcg cggagatgga ggtccagatc gtgcgcaacg acccgccgct 56760

acgatacgac accaacctcc ccgtggatct gctacacatg gtgtacgcgg gccgcggggc 56820

gaccggatcg tcgggggtgg tgttcgggac ctggtaccgc actatccagg accgcaccat 56880

cacggacttt cccctgacca cccgcagtgc cgactttcgg gacggccgta tgtccaagac 56940

cttcatgacg gcgctggtac tgtccctgca gtcgtgcggc cggctgtatg tgggccagcg 57000

ccactattcc gccttcgagt gcgccgtgtt gtgtctctac ctgctgtacc gaaacacgca 57060

cggggccgcc gacgatagcg accgcgctcc ggtcacgttc ggggatctgc tgggccggct 57120

gccccgctac ctggcgtgcc tggccgcggt gatcgggacc gagggcggcc ggccacagta 57180

ccgctaccgc gacgacaagc tccccaagac gcagttcgcg gccggcgggg gccgctacga 57240

acacggagcg ctggcgtcgc acatcgtgat cgccacgctg atgcaccacg gggtgctccc 57300

ggcggccccg ggggacgtcc cccgggacgc gagcacccac gttaaccccg acggcgtggc 57360

gcaccacgac gacataaacc gcgccgccgc cgcgttcctc agccggggcc acaacctatt 57420

cctgtgggag gaccagactc tgctgcgggc aaccgcgaac accataacgg ccctgggcgt 57480

tatccagcgg ctcctcgcga acggcaacgt gtacgcggac cgcctcaaca accgcctgca 57540

gctgggcatg ctgatccccg gagccgtccc ttcggaggcc atcgcccgtg gggcctccgg 57600

gtccgactcg ggggccatca agagcggaga caacaatctg gaggcgctat gtgccaatta 57660

cgtgcttccg ctgtaccggg ccgacccggc ggtcgagctg acccagctgt ttcccggcct 57720

ggccgccctg tgtcttgacg cccaggcggg gcggccggtc gggtcgacgc ggcgggtggt 57780

ggatatgtca tcgggggccc gccaggcggc gctggtgcgc ctcaccgccc tggaactcat 57840

caaccgcacc cgcacaaacc ccacccccgt gggggaggtt atccacgccc acgacgccct 57900

ggcgatccaa tacgaacagg ggcttggcct gctggcgcag caggcacgca ttggcttggg 57960

ctccaacacc aagcgtttct ccgcgttcaa cgttagcagc gactacgaca tgttgtactt 58020

tttatgtctg gggttcattc cacagtacct gtcggcggtt tagtgggtgg tgggcgaggg 58080

gggaggggggc attagggaga aagaacaaga gcctccgttg ggttttcttt gtgcctgtac 58140

tcaaaaggtc ataccccgta aacggcgggc tccagtcccg gcccggcggt tggcgtgaac 58200

gcaacggcgg gagctgggtt agcgtttagt ttagcattcg ctctcgcctt tccgcccgcc 58260

ccccgaccgt tgcgcctttt ttttttttcg tccaccaaag tctctgtggg tgcgcgcatg 58320

gcagccgatg ccccgggaga ccggatggag gagcccctgc cagacagggc cgtgcccatt 58380

tacgtggctg ggtttttggc cctgtatgac agcggggact cgggcgagtt ggcattggat 58440

ccggatacgg tgcgtgcggc cctgcctccg gataacccac tcccgattaa cgtggaccac 58500

cgcgctggct gcgaggtggg gcgggtgctg gccgtggtcg acgacccccg cgggccgttt 58560

tttgtgggac tgatcgcctg cgtgcaactg gagcgcgtcc tcgagacggc cgccagcgct 58620

gcgattttcg agcgccgcgg gccgccgctc tcccgggagg agcgcctgtt gtacctgatc 58680

accaactacc tgccctcggt ctccctggcc acaaaacgcc tgggggggcga ggcgcacccc 58740

gatcgcacgc tgttcgcgca cgtcgcgctg tgcgcgatcg ggcggcgcct cggcactatc 58800

gtcacctacg acaccggtct cgacgccgcc atcgcgccct ttcgccacct gtcgccggcg 58860

tctcgcgagg gggcgcggcg actggccgcc gaggccgagc tcgcgctgtc cggacgcacc 58920

tgggcgcccg gcgtggaggc gctgacccac acgctgcttt ccaccgccgt taacaacatg 58980

atgctgcggg accgctggag cctggtggcc gagcggcggc ggcaggccgg gatcgccgga 59040

cacacctacc tccaggcgag cgaaaaattc aaaatgtggg gggcggagcc tgtttccgcg 59100

ccggcgcgcg ggtataagaa cggggccccg gagtccacgg acataccgcc cggctcgatc 59160

gctgccgcgc cgcagggtga ccggtgccca atcgtccgtc agcgcggggt cgcctcgccc 59220

ccggtactgc cccccatgaa ccccgttccg gcatcgggca ccccggcccc cgcgccgccc 59280

ggcgacggga gctacctgtg gatcccggcc tcccattaca accagctcgt cgccggccac 59340

gccgcgcccc aaccccagcc gcattccgcg tttggtttcc cggctgcggc gggggccgtg 59400

gcctatgggc ctcacggcgc gggtctttcc cagcattacc ctccccacgt cgcccatcag 59460

tatcccgggg tgctgttctc gggacccagc ccactcgagg cgcagatagc cgcgttggtg 59520

ggggccatag ccgcggaccg ccaggcgggc ggtcagacgg ccgcgggaga ccctggggtc 59580

cgggggtcgg gaaagcgtcg ccggtacgag gcggggccgt cggagtccta ctgcgaccag 59640

gacgaaccgg acgcggacta cccgtactac cccggggagg ctcgaggcgg gccgcgcggg 59700

gtcgactctc ggcgcgcggc ccgccagtct cccgggacca acgagaccat cacggcgctg 59760

atgggggcgg tgacgtctct gcagcaggaa ctggcgcaca tgcgggctcg gaccagcgcc 59820

ccctatggaa tgtacacgcc ggtggcgcac tatcgccctc aggtgggggа gccggaacca 59880

acaacgaccc acccggccct ttgtcccccg gaggccgtgt atcgcccccc accacacagc 59940

gccccctacg gtcctcccca gggtccggcg tcccatgccc ccactccccc gtatgcccca 60000

gctgcctgcc cgccaggccc gccaccgccc ccatgtcctt ccacccagac gcgcgccccт 60060

ctaccgacgg agcccgcgtt ccccccccgcc gccaccggat cccaaccgga ggcatccaac 60120

gcggaggccg gggcccttgt caacgccagc agcgcagcac acgtggacgt tgacacggcc 60180

cgcgccgccg atttgttcgt ctctcagatg atgggggccc gctgattcgc cccggtcttt 60240

ggtaccatgg gatgtcttac tgtatatctt tttaaataaa ccaggtaata ccaaataaga 60300

cccattggtg tatgttcttt ttttattggg aggcgcgggt aggcgggtag ctttacaatg 60360

caaaagcctt cgacgtggag gaaggcgtgg ggggggaatc ggcactgacc aagggggtcc 60420

gttttgtcac gggaaaggaa agaggaaaca ggccgcggac acccgggggа gtttatgtgt 60480

tccctttтct ttcttcccac acacacaaaa ggcgtaccaa acaaacaaac caaaagatgc 60540

acatgcggtt taacacccgt ggtttttatt tacaacaaac cccccgtcac aggtcgtcct 60600

cgtcggcgtc accgtctttg ttgggaactt gggtgtagtt ggtgttgcgg cgcttgcgca 60660

tgaccatgtc ggtgaccttg gcgctgagca gcgcgctcgt gcccttcttc ttggccttgt 60720

gttccgtgcg ctccatggca gacaccaggg ccatgtaccg tatcatctcc cgggcctcgg 60780

ctagcttggc ctcgtcaaag tcgccgccct cctcgccctc cccggacgcg tccgggttgg 60840

tggggttctt gagctccttg gtggttagcg ggtacagggc cttcatgggg ttgctctgca 60900

gccgcatgac gtagcgaaag gcgaagaaag ccgccgccag gccggccagg accaacagac 60960

ccacggccag cgccccaaag gggttggaca tgaaggagga cacgcccgac acggccgata 61020

ccacgccgcc cacgatgccc atcaccacct tgccgaccgc gcgccccagg tcgcccatcc 61080

cctcgaagaa cgcgcccagg cccgcgaaca tggcggcgtt ggcgtcggcg tggatgaccg 61140

tgtcgatgtc ggcgaagcgc aggtcgtgca gctggttgcg gcgctggacc tccgtgtagt 61200

ccagcaggcc gctgtccttg atctcgtggc gggtgtacac ctccaggggg acaaactcgt 61260

gatcctccag catggtgatg ttgaggtcga tgaaggtgct gacggtggtg atgtcggcgc 61320

ggctcagctg gtgggagtac gcgtactcct cgaagtacac gtagcccccg ccgaaggtga 61380

agtagcgccg gtgtcccacg gtgcacggct cgatcgcatc gcgcgtcagc cgcagctcgt 61440

tgttctcccc cagctgcccc tcgaccaacg ggccctggtc ttcgtaccga aagctgacca 61500

gggggcggct gtagcaggcc ccgggccgcg agctgatgcg catcgagttt tggacgatca 61560

cgttgtccgc ggcgaccggc acgcacgtgg agacggccat cacgtcgccg agcatccgcg 61620

cgctcacccg ccggcccacg gtggccgagg cgatggcgtt ggggttcagc ttgcgggcct 61680

cgttccacag ggtcagctcg tgattctgca gctcgcacca cgcgatggca acgcggccca 61740

acatatcgtt gacatggcgc tgtatgtggt tgtacgtaaa ctgcagccgg gcgaactcga 61800

tggaggaggt ggtcttgatg cgctccacgg acgcgttggc gctggccccg ggcggcgggg 61860

gcgtggggtt tgggggcttg cggctctgct ctcggaggtg ttcccgcacg tacagctccg 61920

cgagcgtgtt gctgagaagg ggctggtacg cgatcagaaa gcccccattg gccaggtagt 61980

actgcggctg gcccaccttg atgtgcgtcg cgttgtacct gcgggcgaag atgcggtcca 62040

tggcgtcgcg ggcgtccttg ccgatgcagt cccccaggtc cacgcgcgag agcgggtact 62100

cggtcaggtt ggtggtgaag gtggtggata tggcgtcgga ggagaatcgg aaggagccgc 62160

cgtactcgga gcgcagcatc tcgtccacct cctgccactt ggtcatggtg cagaccgacg 62220

ggcgctttgg cacccagtcc caggccacgg tgaacttggg ggtcgtgagc aggttccggg 62280

tggtcggcgc cgtggcccgg gccttggtgg tgaggtcgcg cgcgtagaag ccgtcaacct 62340

gcttgaagcg gtcggcggcg tagctggtgt gttcggtgtg cgacccctcc cggtagccgt 62400

aaaacgggga catgtacaca aagtcgccag tcgccagcac aaactcgtcg tacgggtaca 62460

ccgagcgcgc gtccacctcc tcgacgatgc agtttaccgt cgtcccgtac cggtggaacg 62520

cctccacccg cgaggggttg tacttgaggt cggtggtgtg ccagccccgg ctcgtgcggg 62580

tcgcggcgtt ggccggtttc agctccatgt cggtctcgtg gtcgtcccgg tgaaacgcgg 62640

tggtctccag gttgttgcgc acgtacttgg ccgtggaccg acagaccccc ttggcgttga 62700

tcttgtcgat cacctcctcg aaggggacgg gggcgcggtc ctcaaagatc cccataaact 62760

gggagtagcg gtggccgaac cacacctgcg aaacggtgac gtctttgtag tacatggtgg 62820

ccttgaactt gtacggggcg atgttctcct tgaagaccac cgcgatgccc tccgtgtagt 62880

tctgaccctc gggccgggtc gggcagcggc gcggctgctc gaactgcacc accgtggcgc 62940

ccgtgggggg tgggcacacg taaaagtttg catcggtgtt ctccgccttg atgtcccgca 63000

ggtgctcgcg cagggtggcg tggcccgcgg cgacggtcgc gttgtcgccg gcggggcgcg 63060

gcggcggtgg gtttttcggt tttttgttct tcttcggttt cgtgtccccc gttggggcgg 63120

ggccaggggc gggcggcgcc ggagtggcag gtcccccgtt cgccgcctgg gtcgcggccg 63180

cgaccccagg cgtgccgggg gaactcggag ccgccgacgc caccaggacc cccagcgtca 63240

accccaagag cgcccatacg acgaaccacc ggcacccccg cgcgggggcg ccctggcgca 63300

tggcgggact acgggggccc gtcgtgcccc ccgtcaggta gcctgggggc gaggtgctgg 63360

aggaccgagt agaggatcga gaaaacgtct cggtcgtaga ccacgaccga ccgggggccg 63420

atacagccgt cgggggcgct ctcgacgatg gccaccagcg gacagtcgga gtcgtacgtg 63480

agatatacgc cgggcgggta acggtaacga ccttcggagg tcgggcggct gcagtccggg 63540

cggcgcaact cgagctcccc gcaccggtag accgaggcaa agagtgtggt ggcgataatc 63600

agctcgcgaa tatatcgcca ggcggcgcgc tgagtgggcg ttattccgga aatgccgtca 63660

aaacagtaaa acctctgaaa ttcgctgacg gcccaatcag cacccgagcc ccccgccccc 63720

atgatgaacc gggcgagctc ctccttcagg tgcggcagga gccccacgtt ctcgacgctg 63780

taatacagcg cggtgttggg gggctgggcg aagctgtggg tggagtgatc aaagaggggc 63840

ccgttgacga gctcgaagaa gcgatgggtg atgctgggga gcagggccgg gtccacctgg 63900

tgtcgcagga gagacgctcg catgaaccgg tgcgcgtcga acacgcccgg cgccgagcgg 63960

ttgtcgatga ccgtgcccgc gcccgccgtc agggcgcaga agcgcgcgcg cgccgcaaag 64020

ccgttggcga ccgcggcgaa cgtcgcgggc agcacctcgc cgtggacgct gacccgcagc 64080

atcttctcga gctccccgcg ctgctcgcgg acgcagcgcc ccaggctggc caacgaccgc 64140

ttcgtcaggc ggtccgcgta cagccgccgt cgctcccgca cgtccgcggc cgcttgcgtg 64200

gcgatgtccc cccacgtctc gggcccctgc cccccgggcc cgcggcgacg gtcttcgtcc 64260

tcgcccccgc ccccgggagc tcccaacccc cgtgcccctt cctctacggc gacacggtcc 64320

ccgtcgtcgt cggggcccgc gccgcccttg ggcgcgtccg ccgcgccccc cgcccccatg 64380

cgcgccagca cgcgacgcag cgcctcctcg tcgcactgtt cggggctgac gaggcgccgc 64440

aagagcggcg tcgtcaggtg gtggtcgtag cacgcgcgga tgagcgcctc gatctgatcg 64500

tcgggtgacg tggcctgacc gccgattatt agggcgtcca ccatatccag cgccgccagg 64560

tggctcccga acgcgcgatc gaaatgctcc gcccgccgcc cgaacagcgc cagttccacg 64620

gccaccgcgg cggtctcctg ctgcaactcg cgccgcgcca gcgcggtcag gttgctggca 64680

aacgcgtcca tggtggtctg gccggcgcgg tcgccggacg cgagccagaa tcgcaattcg 64740

ctgatggcgt acaggccggg cgtggtggcc tgaaacacgt cgtgcgcctc cagcagggcg 64800

tcggcctcct tgcggaccga gtcgttctcg ggcgacgggt ggggctgccc gtcgcccccc 64860

gcggtccggg ccagcgcatg gtccaacacg gagagcgccc gcgcgcggtc ggcgtccgac 64920

agcccggcgg cgtggggcag gtaccgccgc agctcgttgg cgtccagccg cacctgcgcc 64980

tgctgggtga cgtggttaca gatacggtcc gccaggcggc gggcgatcgt cgccccctgg 65040

ttcgccgtca cacacagttc ctcgaaacag accgcgcagg ggtgggacgg gtcgctaagc 65100

tccgggggga cgataaggcc cgaccccacc gcccccacca taaactcccg aacgcgctcc 65160

agcgcggcgg tggcgccgcg cgagggggtg atgaggtggc agtagtttag ctgctttaga 65220

aagttctcga cgtcgtgcag gaaacacagc tccatatgga cggtcccgcc atacgtatcc 65280

agcctgaccc gttggtgata cggacagggt cgggccaggc ccatggtctc cgtgaaaaac 65340

accgcgacgt ctcccgcggt cgcgaacgtc tccaggctgc ccaggagccg ctcgccctcg 65400

cgccacgcgt actctagcag caactccagg gtgaccgaca gcggggtgag aaaggccccg 65460

gcctgggcct ccaggcccgg cctcagacga cgccgcagcg cccgcacctg aagcgcgttc 65520

agcttcagtt gggggagctt cccccgtccg atgtgggggt cgcaccgccg gagcagctct 65580

atctgaaaca cataggtctg cacctgtccg agcagggcta acaacttttg acgggccacg 65640

gtgggctcgg acaccggggc ggccatctcg cggcgccgat ctgtaccgcg gccggagtat 65700

gcggtggacc gaggcggtcc gtacgctacc cggcgtctgg ctgagccccg gggtcccccc 65760

attcggggcg gcctcccgcg ggcccgccga ccggcaagcc gggagtcggc ggcgcgtgcg 65820

tttctgttct attcccagac accgcggaga ggaatcacgg cccgcccaga gatatagaca 65880

cggaacacaa acaagcacgg atgtcgtagc aataatttat tttacacaca ttccccgccc 65940

cgccctaggt tcccccaccc cccaacccct cacagcatat ccaacgtcag gtctcccttt 66000

ttgtcggggg gcccctcccc aaacgggtca tccccgtgga acgcccgttt gcggccggca 66060

aatgccggtc ccggggcccc cgggccgccg aacggcgtcg cgttgtcgtc ctcgcagcca 66120

aaatccccaa agttaaacac ctccccggcg ttgccgagtt ggctgactag ggcctcggcc 66180

tcgtgcgcca cctccagggc cgcgtccgtc gaccactcgc cgttgccgcg ctccagggca 66240

cgtgcggtca gctccatcat ctcctcgctt aggtactcgt cctccaggag cgccagccag 66300

tcctcgatct gcagctgttg ggtgcggggc cccaggcttt tcacggtcgc cacgaacacg 66360

ctactggcga cggccgcccc gccctcggag ataatgcccc ggagctgctc gcacagcgag 66420

ctttcgtgcg ctccgccgcc gaggctcgag gccgcgcaca caaacccggc ccggggacag 66480

gccaggacga acttgcgggt gcggtcaaaa ataaggagcg ggcacgcgtt tttgccgccc 66540

atcaggctgg cccagttccc ggcctgaaac acacggtcgt tgccggccat gccgtagtat 66600

ttgctgatgc tcaaccccaa cacgaccatg gggcgtgccg ccatgacggg ccgcagcagg 66660

ttgcagctgg cgaacatgga ggtccacgcg cccggatgcg cgtccacggc gtccatcagc 66720

gcgcgggccc cggcctccag gcccgccccg ccctgcgcgg accacgcggc cgccgcctgc 66780

acgctggggg gacggcggga ccccgcgatg atggccgtga gggtgttgat gaagtacgtc 66840

gagtgatcgc agtaccgcag aatctggttt gccatgtagt acatcgccag ctcgctcacg 66900

ttgttggggg ccaggttaat aaagttgatc gcgccgtagt ccagggaaaa ctttttaatg 66960

aacgcgatgg tctcgatgtc ctcgcgcgac aggagccggg cgggaagctg gttgcgttgg 67020

agggccgtcc agaaccactg cgggttcggc tggttggacc ccgggggctt gccgttgggg 67080

aagatggccg cgtggaactg cttcagcaga aagcccagcg gtccgaggag gatgtccacg 67140

cgcttgtcgg gcttctggta ggcgctctgg aggctggcga cccgcgcctt ggcggcctcg 67200

gacgcgttgg cgctcgcgcc cgcgaacaac acgcggctct tgacgcgcag ctccttggga 67260

aaccccaggg tcacgcgggc aacgtcgccc tcgaagctgc tctcggcggg ggccgtctgg 67320

ccggccgtca ggctgggggc gcagatagcc gcaccctccg agagcgcgac cgtcagcgtt 67380

ttggccgaca gaaacccgtt gttaaacatg tccatcacgc gccgccgcag caccggttgg 67440

aattgattgc gaaagttgcg cccctcgacc gactgcccgg cgaacacccc gtggcactgg 67500

ctcagggcca ggtcctggta cacggcgagg ttggatcgcc gcccgagaag ctgaagcagg 67560

gggcacggcc cgcacgcgta cgggtccagc gtcagggaca tggcgtggtt ggcctcgccc 67620

agaccgtcgc gaaacttgaa gttcctcccc tccaccaggt tgcgcatcag ctgctccacc 67680

tcgcggtcca cgacctgcct gacgttgttc accaccgtat gcagggcctc gcggttggtg 67740

atgatggtct ccagccgccc catggccgtg gggaccgcct ggtccacgta ctgcagggtc 67800

tcgagttcgg ccatgacgcg ctcggtcgcc gcgcggtacg tctcctgcat gatggtccgg 67860

gcggtctcgg atccgtccgc gcgcttcagg gccgagaagg cggcgtagtt tcccagcacg 67920

tcgcagtcgc tgtacatgct gttcatggtc ccgaagacgc cgatggctcc gcgggcggcg 67980

ctggcgaact tgggatggcg cgcccggagg cgcatgagcg tcgtgtgtac gcaggcgtgg 68040

cgcgtgtcga aggtgcacag gttacagggc acgtcggtct ggttggagtc cgcgacgtat 68100

cgaaacacgt ccatctcctg gcgcccgacg atcacgccgc cgtcgcagcg ctccaggtaa 68160

aacagcatct tggccagcag cgccggggaa aacccacaca gcatggccag gtgctcgccg 68220

gcaaattcct gggttccgcc gacgaggggc gcggtgggcc gaccctcgaa cccgggcacc 68280

acgtgtccct cgcggtccac ctgtgggttg gccgccacgt gggtcccggg cacgaggaag 68340

aagcggtaaa aggagggttt gctgtggtcc tttgggtccg ccgggccggc gtcgtccacc 68400

tcggtgagat ggagggccga gttggtgcta aataccatgg cccccacgag tcccgcggcg 68460

cgcgccaggt acgccccgac ggcgttggcg cgggccgcgg ccgtgtcctg gccctcgaac 68520

agcggccacg cggagatgtc ggtgggcggc tcgtcaaaga cggccatcga cacgatagac 68580

tcgagggcca gggcggcgtc tccggccatg acggaggcca ggcgctgttc gaacccgccc 68640

gcagggccct tgccgccgcc gtcgcgcccg ccccgcgggg tcttaccctg gctggcttcg 68700

aaggccgtga acgtaatgtc ggcggggagg gcggcgccct cgtggttttc gtcaaacgcc 68760

aggtgggcgg ccgcgcgggc cacggcgtcc acgtttcggc atcgcagtgc cacggcggcg 68820

ggtcccacga ccgcctcgaa caggaggcgg tggagggggc ggttaaaaaa cggaagcggg 68880

taggtaaaat tctccccgat cgatcggtgg ttggcgttga acggctctgc gatgacacgg 68940

ctaaaatccg gcatgaacag ctgcaacggg tacacgggta tgcggtgcac ctccgccccg 69000

cctatggtta ccttgtccga gcctcccagg tgcagaaagg tgttgttgat gcacacggcc 69060

tccttgaagc cctcggtaac gaccagatac aggagggcgc ggtccgggtc caggccgagg 69120

cgctcacaca gcgcctcccc cgtcgtctcg tgtttgaggt cgccgggccg gggggtgtag 69180

tccgaaaagc caaaatggcg gcgtgcccgc tcgcagagtc gcgtcaggtt cggggcctgg 69240

gtgctggggt ccaggtgccg gccgccgtga aagacgtaca cggacgagct gtagtgcgag 69300

ggcgtcagtt tcagggacac cgcggtaccc ccgagccccg tcgtgcgaga acccacgacc 69360

acggccacgt tggcctcaaa gccgctctcc acggtcaggc ccacgaccag gggcgccacg 69420

gcgacgtcgg catcgccgct gcgcgccgac agtaacgcca gaagctcgat gccttcggac 69480

ggacacgcgc gagcgtacac gtatcccagg ggcccggggg ggaccttgat ggtggttgcc 69540

gtcttgggct ttgtctccat gtccttctgt caatcggtcc gcgaacggag gtaatcccgg 69600

cacgacgacg gacgcccgac aaggtatgtc tcccgagcgt caaaatccgg gggggggggc 69660

ggcgacggtc aaggggaggg ttggagaccg gggttgggga atgaatccct acccttcacc 69720

gacaaccccc cgggtaatca cggggtgccg atgaaccccg gcggccggca acgcggggtc 69780

cctgcgagag gcacagatgc ttacggtcag gtgctccggg tcgggtgcgt ctggtatgcg 69840

gttggtatat gtacacttta cctgggggcg tgcctggccg ccccagcccc tcccacgccc 69900

tgcgcgtcat cagccggtgg gcgtggccgc tattataaaa aaagtgagaa cgcgaagcgt 69960

tcgcactttg tcctaataat atatatatta ttaggacaaa gtgcgaacgc ttcgcgttct 70020

cacttttttt ataatagcgg ccacgcccac cggctacgtc acgctcctgt cggccgccgg 70080

cggtccataa gcccggccgg ccgggccgac gcgaataaac cgggccgccg gccggggcgc 70140

cgcgcagcag ctcgccgccc ggatccgcca gacaaacaag gcccttgcac atgccggccc 70200

gggcgagcct gggggtccgg taattttgcc atcccaccca agcggctttt tgggtttttc 70260

tcttcccccc tccccacatc ccccctcttt aggggttcgg gtggtaacaa ccgcgatgtt 70320

ttccggtggc ggcggcccgc tgtcccccgg aggaaagtcg gcggccaggg cggcgtccgg 70380

gtttttgcg cccgccggcc ctcgcggagc cggccgggga cccccgcctt gcttgaggca 70440

aaacttttac aacccctacc tcgccccagt cgggacgcaa cagaagccga ccgggccaac 70500

ccagcgccat acgtactata gcgaatgcga tgaatttcga ttcatcgccc cgcgggtgct 70560

ggacgaggat gccccccggg agaagcgcgc cggggtgcac gacggtcacc tcaagcgcgc 70620

ccccaaggtg tactgcgggg gggacgagcg cgacgtcctc cgcgtcgggt cgggcggctt 70680

ctggccgcgg cgctcgcgcc tgtggggcgg cgtggaccac gccccggcgg ggttcaaccc 70740

caccgtcacc gtctttcacg tgtacgacat cctggagaac gtggagcacg cgtacggcat 70800

gcgcgcggcc cagttccacg cgcggtttat ggacgccatc acaccgacgg ggaccgtcat 70860

cacgctcctg ggcctgactc cggaaggcca ccgggtggcc gttcacgttt acggcacgcg 70920

gcagtacttt tacatgaaca aggaggaggt cgacaggcac ctacaatgcc gcgccccacg 70980

agatctctgc gagcgcatgg ccgcggccct gcgcgagtcc ccgggcgcgt cgttccgcgg 71040

catttccgcg gaccacttcg aggcggaggt ggtggagcgc accgacgtgt actactacga 71100

gacgcgcccc gctctgtttt accgcgtcta cgtccgaagc gggcgcgtgc tgtcgtacct 71160

gtgcgacaac ttctgcccgg ccatcaagaa gtacgagggt ggggtcgacg ccaccacccg 71220

gttcatcctg gacaaccccg ggttcgtcac cttcggctgg taccgtctca aaccgggccg 71280

gaacaacacg ctagcccagc cgcgggcccc gatggccttc gggacatcca gcgacgtcga 71340

gtttaactgt acggcggaca acctggccat cgaggggggc atgagcgacc taccggcata 71400

caagctcatg tgcttcgata tcgaatgcaa ggcgggggggg gaggacgagc tggcctttcc 71460

ggtggccggg cacccggagg acctggtcat ccagatatcc tgtctgctct acgacctgtc 71520

caccaccgcc ctggagcacg tcctcctgtt ttcgctcggt tcctgcgacc tccccgaatc 71580

ccacctgaac gagctggcgg ccaggggcct gcccacgccc gtggttctgg aattcgacag 71640

cgaattcgag atgctgttgg ccttcatgac ccttgtgaaa cagtacggcc ccgagttcgt 71700

gaccgggtac aacatcatca acttcgactg gcccttcttg ctggccaagc tgacggacat 71760

ttacaaggtc cccctggacg ggtacggccg catgaacggc cggggcgtgt ttcgcgtgtg 71820

ggacataggc cagagccact tccagaagcg cagcaagata aaggtgaacg gcatggtgaa 71880

catcgacatg tacgggatta taaccgacaa gatcaagctc tcgagctaca agctcaacgc 71940

cgtggccgaa gccgtcctga aggacaagaa gaaggacctg agctatcgcg acatccccgc 72000

ctactacgcc gccgggcccg cgcaacgcgg ggtgatcggc gagtactgca tacaggattc 72060

cctgctggtg ggccagctgt tttttaagtt tttgccccat ctggagctct cggccgtcgc 72120

gcgcttggcg ggtattaaca tcacccgcac catctacgac ggccagcaga tccgcgtctt 72180

tacgtgcctg ctgcgcctgg ccgaccagaa gggctttatt ctgccggaca cccaggggcg 72240

atttaggggc gccgggggggg aggcgcccaa gcgtccggcc gcagcccggg aggacgagga 72300

gcggccagag gaggaggggg aggacgagga cgaacgcgag gagggcgggg gcgagcggga 72360

gccggagggc gcgcgggaga ccgccggccg gcacgtgggg taccaggggg ccagggtcct 72420

tgaccccact tccgggtttc atgtgaaccc cgtggtggtg ttcgactttg ccagcctgta 72480

ccccagcatc atccaggccc acaacctgtg cttcagcacg ctctccctga gggccgacgc 72540

agtggcgcac ctggaggcgg gcaaggacta cctggagatc gaggtggggg ggcgacggct 72600

gttcttcgtc aaggctcacg tgcgagagag cctcctcagc atcctcctgc gggactggct 72660

cgccatgcga aagcagatcc gctcgcggat tccccagagc agccccgagg aggccgtgct 72720

cctggacaag cagcaggccg ccatcaaggt cgtgtgtaac tcggtttacg ggttcacggg 72780

agtgcagcac ggactcctgc cgtgcctgca cgttgccgcg acggtgacga ccatcggccg 72840

cgagatgctg ctcgcgaccc gcgagtacgt ccacgcgcgc tgggcggcct tcgaacagct 72900

cctggccgat ttcccggagg cggccgacat gcgcgccccc gggccctatt ccatgcgcat 72960

catctacggg gacacggact ccatctttgt gctgtgccgc ggcctcacgg ccgccgggct 73020

gacggccgtg ggcgacaaga tggcgagcca catctcgcgc gcgctgtttc tgtcccccat 73080

caaactcgag tgcgaaaaga cgttcaccaa gctgctgctg atcgccaaga aaaagtacat 73140

cggcgtcatc tacgggggta agatgctcat caagggcgtg gatctggtgc gcaaaaacaa 73200

ctgcgcgttt atcaaccgca cctccagggc cctggtcgac ctgctgtttt acgacgatac 73260

cgtatccgga gcggccgccg cgttagccga gcgccccgca gaggagtggc tggcgcgacc 73320

cctgcccgag ggactgcagg cgttcggggc cgtcctcgta gacgcccatc ggcgcatcac 73380

cgacccggag agggacatcc aggactttgt cctcaccgcc gaactgagca gacacccgcg 73440

cgcgtacacc aacaagcgcc tggcccacct gacggtgtat tacaagctca tggcccgccg 73500

cgcgcaggtc ccgtccatca aggaccggat cccgtacgtg atcgtggccc agacccgcga 73560

ggtagaggag acggtcgcgc ggctggccgc cctccgcgag ctcgacgccg ccgccccagg 73620

ggacgagccc gccccccccg cggccctgcc ctccccggcc aagcgccccc gggagacgcc 73680

gttgcatgcc gacccccccgg gaggcgcgtc caagccccgc aagctgctgg tgtccgagct 73740

ggccgaggat cccgcatacg ccattgccca cggcgtcgcc ctgaacacgg actattactt 73800

ctcccacctg ttgggggcgg cgtgcgtgac attcaaggcc ctgtttggga ataacgccaa 73860

gatcaccgag agtctgttaa aaaggtttat tcccgaagtg tggcaccccc cggacgacgt 73920

ggccgcgcgg ctccgggccg cagggttcgg ggcggtgggt gccggcgcta cggcggagga 73980

aactcgtcga atgttgcata gagcctttga tactctagca tgagcccccc gtcgaagctg 74040

atgtccctca ttttacaata aatgtctgcg gccgacacgg tcggaatctc cgcgtccgtg 74100

ggtttctctg cgttgcgccg gaccacgagc acaaacgtgc tctgccacac gtgggcgacg 74160

aaccggtacc ccgggcacgc ggtgagcatc cggtctatga gccggtagtg caggtgggcg 74220

gacgtgccgg gaaagatgac gtacagcatg tggcccccgt aagtggggtc cgggtaaaac 74280

aacagccgcg ggtcgcacgc cccgcctccg cgcaggatcg tgtggacgaa aaaaagctcg 74340

ggttggccaa gaatcccggc caagaggtcc tggaggggggg cgttgtggcg gtcggccaac 74400

acgaccaagg aggccaggaa ggcgcgatgc tcgaatatcg tgttgatctg ctgcacgaag 74460

gccaggatta gggcctcgcg gctggtggcg gcgaaccgcc cgtctcccgc gttgcacgcg 74520

ggacagcaac ccccgatgcc taggtagtag cccatcccgg agagggtcag gcagttgtcg 74580

gccacggtct ggtccagaca gaagggcagc gagacgggag tggtcttcac caggggcacc 74640

gagagcgagc gcacgatggc gatctcctcg gagggcgtct gggcgagggc ggcgaaaagg 74700

ccccgatagc gctggcgctc gtgtaaacac agctcctgtt tgcgggcgtg aggcggcagg 74760

ctcttccggg aggcccgacg caccacgccc agagtcccgc cggccgcaga ggagcgcgac 74820

cgccggcgct ccttgccgtg atagggcccg ggccgggagc cgcggcgatg ggggtcggtg 74880

tcatacatag gtacacaggg tgtgctccag ggacaggagc gagatcgagt ggcgtctaag 74940

cagcgcgccc gcctcacgga caaatgtggc gagcgcggtg ggctttggta caaatacctg 75000

atacgtcttg aaggtgtaga tgagggcacg caacgctatg cagacacgcc cctcgaactc 75060

gttcccgcag gccagcttgg ccttgtggag cagcagctcg tcgggatggg tggcgggggg 75120

atggccgaac agaacccagg ggtcaacctc catctccgta atggcgcaca tggggtcaca 75180

gaacatgtgc ttaaagatgg cctcgggccc cgcggcccga agcaggctca caaaccggcc 75240

cccgtccccg ggctgcgtct cggggtcagc ctcgagctgg tcgacgacgg gtacgataca 75300

gtcgaagagg ctcgtgttgt tttccgagta gcggaccacg gaggcccgga gtctgcgcag 75360

ggccagccag taagcacgca ccagtaacag gttacacagc aggcattctc cgccggtgcg 75420

cccgcgcccc cggccgtgtt tcagcacggt ggccatcaga gggcccaggt cgaggtcggg 75480

ctgggcatcg ggttcggtaa actgcgcaaa gcgcggagcc acgtcgcgcg tgcgtgcccc 75540

gcgatgcgct tcccaggact ggcggaccgt ggcgcgacgg gcctccgcgg cagcgcgcag 75600

ctggggcccc gactcccaga cggcgggggt gccggcgagg agcagcagga ccagatccgc 75660

gtacgcccac gtatccggcg actcctccgg ctcgcggtcc ccggcgaccg tctcgaattc 75720

cccgttgcga gcggcggcgc gcgtacagca gctgtccccg cccccgcgcc gaccctccgt 75780

gcagtccagg agacgggcgc aatccttcca gttcatcagc gcggtggtga gcgacggctg 75840

cgtgccggat cccgccgacc ccgccccctc ctcgcccccg gaggccaagg ttccgatgag 75900

ggcccgggtg gcagactgcg ccaggaacga gtagttggag tactgcacct tggcggctcc 75960

cggggagggc gagggcttgg gttgcttctg ggcatgccgc ccgggcaccc cgccgtcggt 76020

acggaagcag cagtggagaa aaaagtgccg gtggatgtcg tttatggtga gggcaaagcg 76080

tgcgaaggag ccgaccaggg tcgccttctt ggtgcgcaga aagtggcggt ccatgacgta 76140

cacaaactcg aacgcggcca cgaagatgct agcggcgcag tggggcgccc ccaggcattt 76200

ggcacagaga aacgcgtaat cggccaccca ctgaggcgag aggcggtagg tttgcttgta 76260

cagctcgatg gtgcggcaga ccagacaggg ccggtccagc gcgaaggtgt cgatggccgc 76320

cgcggaaaag ggcccggtgt ccaaaagccc ctccccacag ggatccgggg gcgggttgcg 76380

gggtcctccg cgcccgcccg aacccccctcc gtcgcccgcc cccccgcggg cccttgaggg 76440

ggcggtgacc acgtcggcgg cgacgtcctc gtcgagcgta ccgacgggcg gcacacctat 76500

cacgtgactg gccgtcagga gctcggcgca gagagcctcg ttaagagcca ggaggctggg 76560

atcgaaggcc acatacgcgc gctcgaacgc ccccgccttc cagctgctgc cgggggactc 76620

ttcgcacacc gcgacgctcg ccaggacccc ggggggcgaa gttgccatgg ctgggcggga 76680

ggggcgcacg cgccagcgaa ctttacggga cacaatcccc gactgcgcgc tgcggtccca 76740

gaccctggag agtctagacg cgcgctacgt ctcgcgagac ggcgcgcatg acgcggccgt 76800

ctggttcgag gatatgaccc ccgccgagct ggaggttgtc ttcccgacta cggacgccaa 76860

gctgaactac ctgtcgcgga cgcagcggct ggcctccctc ctgacgtacg ccgggcctat 76920

aaaagcgccc gacgacgccg ccgccccgca gaccccggac accgcgtgtg tgcacggcga 76980

gctgctcgcc cgcaagcggg aaagattcgc ggcggtcatt aaccggttcc tggacctgca 77040

ccagattctg cggggctgac gcgcgtgctg ttgggcggga cggttcgcga acccтttggt 77100

gggtttacgc gggcacgcac gctcccatcg cgggcgccat ggcgggactg ggcaagccct 77160

acaccggcca cccaggtgac gccttcgagg gtctcgttca gcgaattcgg cttatcgtcc 77220

catctacgtt gcggggcggg gacggggagg cgggccccta ctctccctcc agcctcccct 77280

ccaggtgcgc ctttcagttt catggccatg acgggtccga cgagtcgttt cccatcgagt 77340

atgtactgcg gcttatgaac gactgggccg aggtcccgtg caacccttac ctgcgcatac 77400

agaacaccgg cgtgtcggtg ctgtttcagg ggtttttca tcgcccacac aacgcccccg 77460

ggggcgcgat tacgccagag cggaccaatg tgatcctggg gtccaccgag acgacggggt 77520

tgtccctcgg cgacctggac accatcaagg ggcggctcgg cctggatgcc cggccgatga 77580

tggccagcat gtggatcagc tgctttgtgc gcatgccccg cgtgcagctc gcgtttcggt 77640

tcatgggccc cgaagatgcc ggacggacga gacggatcct gtgccgcgcc gccgagcagg 77700

ctattacccg tcgccgccga acccggcggt cccgggaggc gtacggggcc gaggccgggc 77760

tgggggtggc cggaacgggt ttccgggcca ggggggacgg ttttggcccg ctccccttgt 77820

taacccaagg gccctcccgc ccgtggcacc aggccctgcg gggtcttaag cacctacgga 77880

ttggcccccc cgcgctcgtt ttggcggcgg gactcgtcct gggggccgct atttggtggg 77940

tggttggtgc tggcgcgcgc ctataaaaaa ggacgcaccg ccgccctaat cgccagtgcg 78000

ttccggacgc cttcgcccca cacagccctc ccgaccgaca cccccatatc gcttcccgac 78060

ctccggtccc gatggccgtc ccgcaatttc accgccccag caccgttacc accgatagcg 78120

tccgggcgct tggcatgcgc gggctcgtct tggccaccaa taactctcag tttatcatgg 78180

ataacaacca cccacacccc cagggcaccc aaggggccgt gcgggagttt ctccgcggtc 78240

aggcggcggc actgacggac cttggtctgg cccacgcaaa caacacgttt accccgcagc 78300

ctatgttcgc gggcgacgca ccggccgcct ggttgcggcc cgcgtttggc ctgcggcgca 78360

cctattcacc ttttgtcgtt cgagaacctt cgacgcccgg gaccccgtga ggcccaggga 78420

gttccttctg gggtgtttta atcaataaaa gaccacacca acgcacgagc cttgcgttta 78480

atgtcgtgtt tattcaaggg agtgggatag ggttcgacgg ttcgaaactt aacacaccaa 78540

ataatcgagc gcgtctagcc cagtaacatg cgcacgtgat gtaggctggt cagcacggcg 78600

tcgctgtgat gaagcagcgc ccggcgggtc cgctgtaact gctgttgtag gcggtaacag 78660

gcgcggatca gcaccgccag ggcgctacga ccggtgcgtt gcacgtagcg tcgcgacaga 78720

actgcgtttg ccgatacggg cgggggccg aattgtaagc gcgtcacctc ttgggagtca 78780

tcggcggata acgcactgaa tggttcgttg gttatggggg agtgtggttc cccagggagt 78840

gggtcgagcg cctcggcctc ggaatccgag aggaacaacg aggtggcgtc ggagtcttcg 78900

tcgtcagaga catacagggt ctgaagcagc gacacgggcg ggggggtagc gtcgatgtgt 78960

agcgcgaggg aggatgccca cgaagacacc ccagacaagg agctgcccgt gcgtggattt 79020

gtggaagacg cggaagccgg gacggatggg cggttttgcg gtgcccggaa ccgaaccgcc 79080

ggatactccc cgggtgctac atgcccgttt tggggctggg gttggggctg gggttggggc 79140

tggggttggg gctggggttg gggctggggt tggggctggg gttggggttg gggttggggc 79200

tggggttggg gttggggctg gggctggggc tggggctggg gctggggctg gggctggggc 79260

tggggctggg gctggggctg gggctggggc tggggctggg gctggggctg gggttggggc 79320

gcggacaggc ggctgacggt caaatgcccc cgggggcgcg cagatgtggt gggcgtggcc 79380

accggctgcc gtgtagtggg gcggcgggaa accgggcctc cgggcgtaac accgccctcc 79440

agcgtcaagt atgtgggggg cgggcctgac gtcgggggcg gggtgacggg ttggaccgcg 79500

ggaggcgggg gagagggacc tgcgggagag gatgaggtcg gctcggccgg gttgcggcct 79560

aaaacagggg ccgtggggtc ggcggggtcc cagggtgaag ggagggattc ccgcgattcg 79620

gacagcgacg cgacagcggg gcgcgtaagg cgccgctgcg gcccgcctac gggaaccctg 79680

gggggggttg gcgcgggacc cgaggttagc ggggggcggc ggttttcgcc cccgggcaaa 79740

accgtgccgg ttgcgaccgg gggcggaacg ggatcgatag ggagagcggg agaagcctgg 79800

ccggcggact ggggaccgag cgggaggggc acaccagaca ccaaagcgtg gggcgctggc 79860

tctgggggtt tgggaggggc cgggggcgcc gcgaaatcgg taaccggggc gaccgtgtcg 79920

gggagggcag gcggccgcca accctgggtg gtcgcggaag cctgggtggc gcgcgccagg 79980

gagcgtgccc ggcggtgtcg gcgcgcgcgc gacccggacg aagaagcggt agaagcgcgg 80040

gaggaggcgg gggggcgggg ggcggtggca tcgggggcg ccggggaact ttgggggac 80100

ggcaagcgcc ggaagtcgtc gcgggggccc acgggcgccg gccgcgtgct ttcggccggg 80160

acgcccggtc gtgcttcgcg agccgtgact gccggcccag ggggccgcgg tgcacactgg 80220

gacgtgggga cggactgatc ggcggtgggc gaaaggggt ccggggcaag gaggggcgcg 80280

gggccgccgg agtcgtcaga cgcgagctcc tccaggccgt gaatccatgc ccacatgcga 80340

gggggacgg gctcgccggg ggtggcgtcg gtgaatagcg tgggggccag gcttccgggc 80400

cccaacgagc cctccgcccc aacaaggtcc gccgggccgg gggtcgggtt cgggaccgag 80460

gggctctggt cgtcgggggc gcgctggtac accggatgcc ccgggaatag ctcccccgac 80520

aggagggagg cgtcgaacgg ccgcccgagg atagctcgcg cgaggaaggg gtcctcgtcg 80580

gtggcgctcg cggcgaggac gtcctcgccg cccgccacaa acgggagctc ctcggtggcc 80640

tcgctgccaa caaaccgcat gtcgggggg ccgggggggt ccgggttttc ccacaacacc 80700

gcgaccgggg tcatggagat gtccacgagc accaggcacg gcgggccccg ggcgaggggc 80760

cgctcggcga tgagcgcgga caggcgcggg agctgtgccg ccagacacgc gttttcgatc 80820

gggttaaggt cggcgtgcag gaggcggacg gcccacgtct cgatgtcgga cgacacggca 80880

tcgcgcaagg cggcgtccgg cccgcgagcg cgtgagtcaa acagcgtgag gcacagctcc 80940

agttccgact cgcgggaaaa ggccgtggtg ttgcggagcg ccacgacgac gggcgcgccc 81000

aggagcactg ccgccagcac caggtccatg gccgtaacgc gcgccgcggg ggtgcggtgg 81060

gtggcggcgg ccggcacggc gacgtgctgg cccgtgggcc ggtagagggc gttgggggga 81120

gcgggggggtg acgcctcgcg ccccccccgag gggctcagcg tctgcccaga ttccagacgc 81180

gcggtcagaa gggcgtcgaa actgtcatac tctgtgtagt cgtccggaaa catgcaggtc 81240

caaagagcgg ccagcgcggt gcttgggaga cacatgcgcc cgaggacgct caccgccgcc 81300

agcgcctggg cgggactcag ctttcccagc gcggcgccgc gctcggttcc cagctcgggg 81360

accgagcgcc agggcgccag ggggtcggtt tcggacaact tgccgcggcg ccagtctgcc 81420

agccgcgtgc cgaacatgag gccccgggtc ggagggcctc cggccgaaaa cgctggcagc 81480

acgcggatgc gggcgtctgg atgcggggtc aggcgctgca cgaatagcat ggaatctgct 81540

gcgttctgaa acgcacgggg gagggtgaga tgcatgtact cgtgttggcg gaccagatcc 81600

aggcgccaaa aggtgtaaat gtgttccggg gagctggcca ccagcgccac cagcacgtcg 81660

ttctcgttaa aggaaacgcg gtgcctagtg gagctctggg gtccgagcgg cggccccggg 81720

gccgccgcgt caccccccca ttccagctgg gcccagcgac acccaaactc gcgcgtgaga 81780

gtggtcgcga cgagggcgac gtagagctcg gccgccgcat ccatcgaggc cccccatctc 81840

gcctggcggt ggcgcacaaa gcgtccgaag agctgaaagt tggcggcctg ggcgtcgctg 81900

agggccagct gaagccggtt gatgacggtg aggacgtaca tggccgtgac ggtcgaggcc 81960

gactccaggg tgtccgtcgg aagcgggggg cgaatgcatg ccgcctcggg acacatcagc 82020

agcgcgccga gcttgtcggt cacggccggg aagcagagcg cgtactgcag tggcgttcca 82080

tccgggacca aaaagctggg ggcgaacggc ctatccagcg tactggtggc ctcgcgcagc 82140

accaggggcc ccgggcctcc gctcactcgc aggtacgcct cgccccggcg gcgcagcatc 82200

tgcgggtcgg cctcttggcc gggtggggcg gacgcccggg cgcgggcgtc tagggcgcga 82260

agatccacga gcaggggcgc gggcgcggcc gccgcgcccg cgcccgtctg gcctgtggcc 82320

ttggcgtacg cgctatataa gcccatgcgg cgttggatga gctcccgcgc gccccggaac 82380

tcctccaccg cccatggggc caggtccccg gccaccgcgt ccaattccgc caacaggccc 82440

cccagggtgt caaagttcat ctcccaggcc acccttggca ccacctcgtc ccgcagccgg 82500

gcgctcaggt cggcgtgttg ggccacgcgc cccccgagct cctccacggc cccggcccgc 82560

tcggcgctct tggcgcccag gacgccctgg tacttggcgg gaaggcgctc gtagtcccgc 82620

tgggctcgca gccccgacac agtgttggtg gtgtcctgca gggcgcgaag ctgctcgcat 82680

gccgcgcgaa atccctcggg cgatttccag gccccccgc gaacgcggcc gaagcgaccc 82740

catacctcgt cccactccgc ctcggcctcc tcgaaagacc tccgcagggc ctcgacgcgg 82800

cgacgggtgt cgaagagcga ctgcaggcgc gcgccctgtc gcgtcaggag gcccgggccg 82860

tcgccgctgg ccgcgcttag cgggtgcgtc tcaaaggtgc gctgggcatg ttccaaccag 82920

gcgaccgcct gcacgtcgag ctcgcgcgcc ttctccgtct ggtccaacag aatctcgacc 82980

tgatccgcga tctcctccgc cgagcgcgcc tggtccagcg tcttggccac ggtcgccggg 83040

acggcaacca ccttcagcag ggtcttcaga ttggccagac cctcggcctc gagctgggcc 83100

cggcgctcgc gcgcggccag cacctcccgc aaccccgccg tgacccgctc ggtggcttcg 83160

gcgcgctgct gtttggcgcg caccacggcg tccttggtat cggccaggtc ctgtcgggtc 83220

acgaatgcga cgtagtcggc gtacgccgtg tccttcacgg ggctctggtc cacgcgctcc 83280

agcgccgcca cacacgccac cagcgcgtcc tcgctcgggc agggcagggt gacccctgcc 83340

cggacaagct cggcggccgc cgccgggtcg ttgcgcaccg cggatatctc ctccgcggcg 83400

gcggccaggt ccagcgccac gcttccgatc gcgcgccgcg cgtcggcccg gagggcgtcc 83460

aggcgatcgc ggatatccac gtactcggcg tagccctttt gaaaaaacgg cacgtactgg 83520

cgcagggccg gcacgccccc caagtcttcc gacaggtgta ggacggcctc gtggtagtcg 83580

ataaacccgt cgttcgcctg ggcccgctcc agcagccccc ccgcgagccg cagaagccgc 83640

gccaggggct cggtgtccac ccgaaacatg tcggcgtacg tgtcggccgc ggccccgaag 83700

gccgcgctcc agtcgatgcg gtgaatggct gcgagcgggg ggagcatggg gtggcgctgg 83760

ttctcggggg tgtatgggtt aaacgcaagg gccgtctcca gggcaagggt caccgccttg 83820

gcgttggttc ccagcgcctg ctcggcccgc tttcggaagt cccgggggtt gtagccgtgc 83880

gtgcccgcca gcgcctgcag gcgacggagc tcgaccacgt caaactcggc accgctttcc 83940

acgcggtcca gcacggcctc cacgtcggcg gcccagcgct cgtggctact gcgggcgcgc 84000

tgggccgcca tcttctctct gaggtcggcg gtggcggcct caagttcgtc ggcgcggcgt 84060

cgcgtggcgc cgatgacctt tcccagctcc tgcagggcgc gcccgctggg ggagtggtcc 84120

ccggccgtcc cttcggcgtg caacaggccc ccgaacctgc cctcgtggcc cgcgaggctt 84180

tcccgcgcgc cggtggtcgc gcgcgtcgcg gcctggatca gggaggcatg ctctccctcc 84240

ggttggttgg cggcccggcg cacctggacg acaaggtcgg cggcagccga ccctaaggtc 84300

gtgagctggg cgatggcccc ccgcgcgtcc aggggccaacc gagtcgcctt gacgtatccc 84360

gcggcgctgt cggccatggc cgctaggaag gccaggggggg aggccgggtc gctggcggcc 84420

gcgcccaggg ccgtcactgc gtcgaccagg acgcggtgcg cccgcacggc cgcatccacc 84480

gtcgacgcgg ggtctgccgt cgcgacggcg gcgctgccgg cgttgatggc gttcgagacg 84540

gcgtgggcta tgatcggggc gtgatcggcg aagaactgca agagaaacgg agtctcgggg 84600

gcgttggcga acaggttctt cagcaccacc acgaagctgg gatgcaagcc ggacagagcc 84660

gtcgccgtgt ccggagtcgg gtgctccagg gcatctcggt actgccccag cagcccccac 84720

atgtccgccc gcagcgccgc cgtaacctcc gggggcgccc cccgaacggc ctcggggagg 84780

tccgaccagc ccgccggcag ggaggcccgc agggtcgtca ggacggccgg acaggccttt 84840

agccccacaa agtcagggag gggccgcagg acccccctgga gtttgtgcaa gaacttctcc 84900

cgggcgtcgc gggccacctt cgcccgctcc cgcgctccct cgagcattgc ctccagggag 84960

cgcgcgcgct cccgcaaacg ggcacgcgca tcgggggcga gctctgccgt cagcttggcg 85020

gcatccatgg cccgcgcctg ccgcagcgct tcctcggcca tgcgcgtggc ctctggcgac 85080

agcccgccgt cgtcggggta gggcgacgcg ccgggcgcag gaacaaaggc cgcgtcgctg 85140

tccagctgct ggcccagggc cgcatctagg gcgtcgaagc gccgcagctc ggccagaccc 85200

gagctgcggc gcgcctgctg gtcgttaatg tcgcggatgc tgcgcgccag ctcgtccagc 85260

ggcttgcgtt ctatcagccc ttggttggcg gcgtccgtca ggacggagag ccaggccgcc 85320

aggtcctcgg gggcgtccag cgtctggccc cgctgtatca gatcccgcaa caggatggcc 85380

gtggggctgg tcgcgatcgg gggcggggcg ggaatggcgg cgctctgcgc gatgtcccgc 85440

gtgtgctggt cgaagacagg cagggactct agcagctgga ccacgggcac gacggcggcc 85500

gaagccacgt gaaaccggcg gtcgttgttg tcgctggcct gcagagcctt ggcgctgtat 85560

acggcccccc ggtaaaagta ctccttaacc gcgccctcga tcgcccgacg ggcctgggtc 85620

cgcacctcct ccagccgaac ctgaacggcc tcggggccca gggggggtgg gcgcggagcc 85680

ccctgcgggg ccgccccggc cggggcgggc attacgccga ggggcccggc gtgctgtgag 85740

accgcgtcga ccccgcgagc gagggcgtcg agggcctcgc gcatctggcg atcctccgcc 85800

tccaccctaa tctcttcgcc acgggcaaat ttggccagag cctggactct atacagaagc 85860

ggttctgggt gcgtcggggt ggcgggggca aaaagggtgt ccgggtgggc ctgcgagcgc 85920

tccagaagcc actcgccgag gcgtgtatac agattggccg gcggggccgc gcgaagctgc 85980

agctccaggt ccgcgagttc cccgtaaaag gcgtccgtct cccgaatgac atccctagcc 86040

acaaggatca gcttcgccag cgccaggcga ccgatcagag agttttcgtc cagcacgtgc 86100

tggacgaggg gcagatgggc ggccacgtcg gccaggctca ggcgcgtgga ggccagaaag 86160

tcccccacgg ccgttttccg gggcagcatg ctcagggtaa actccagcag ggcggcggcc 86220

gggccggcca ccccggcctg ggtgtgcgtc cgggccccgt tctcgatgag aaaggcgagg 86280

acgcgttcaa agaaaaaaat aacacagagc tccagcagcc ccggagaagc cggatacggc 86340

gaccgtaagg cgctgatggt gagccgcgaa cacgcggcga cctcgcgggc cagggcggcg 86400

gagcacgcgg tgaacttaac cgccgtggcg gccacgtttg ggtgggcctc gaacagctgg 86460

gcaaggtctg cgcccggggg ctcgggtgag cggcgagtct tcagcgcctc gagggcctgc 86520

gaggacgccg gaaccgtggg cccgtcgtcc tcgcccgcct cggcgaccgg cggcccggcc 86580

gggtcggggg gtgccgaggc gaggacaggc tccggaacgg aggcggggac cgcggccccg 86640

acgggggttt tgcctttggg ggtggatttc ttcttggttt tggcaggggg ggccgagcgt 86700

ttcgttttct cccccgaagt caggtcttcg acgctggaag gcggagtcca ggtgggtcgg 86760

cggcgcttgg gaaggccggc cgagtagcgt gcccggtgcc gaccaaccgg gacgacgccc 86820

atctccagga cccgcatgtc gtcgtcatct tcttcggccg cctctgcggc ggggggcttg 86880

ggggcggagg gaggcggtgg tgggatcgcg gagggtgggt cggcggaggg gggatccgtg 86940

ggtggggtac ccttcagggc caccgcccat acatcgtcgg gcgcccgatt cgggcgcttg 87000

gcctctggtt ttgccgacgg accggccgtc ccccgggatg tctcggaggc cctgtcgtcg 87060

cgacgggccc gggtcggtgg cggcgactgg gcggctgtgg gcgggtgggg ccccgtgccc 87120

cctacccccc cccgggggcc cacgccgacg cagggctccc ccaggcccgc gatctcgccc 87180

cgcaggggggt gcgtgatggc cacgcgccgt tcgctgaacg cttcgtcctg caggtaagtc 87240

tcgctggccc cgtaaagatg cagagccgcg gccgtcaagt ccgcaggagc cgcgggttcc 87300

gggcccgacg gcacgaaaaa caccatggct cccgcccacc gtacgtccgg gcgatcgcgg 87360

gtgtaatacg tcaggtatgg atacatgtcc cccgcccgca ctttggcgat gaacgcgggg 87420

gtgccctccg gaaggccgtg cgggtcaaaa aggtatgcgg tgtcgccgtc cctgaacagc 87480

cccatcccta gggggccaat ggttaggagc gtgtacgaca gggggcgcag ggcccacggg 87540

ccggcgaaga acgtgtgtgc ggggcattgt gtctccagca ggcccgccgc gggctccccg 87600

aagaagccca cctcgccgta tacgcgcgag aagacacagc gcagtccgcc gcgcgccccc 87660

gggtactcga ggaagttggg gagctcgacg atcgaacaca tgcgcggcgg cccagggccc 87720

gcggtcgcgc gcgtccactc gccccccctcg accaaacaac cctcgatggc ctccgcggac 87780

agaacgtcgc gagggcccac atcaaatatg aggctgagaa aggacagcga cgagcgcatg 87840

cacgataccg acccccccgg ctccaggtcg ggcgcgaact ggttccgagc accggtgacc 87900

acgatgtcgc gatccccccc gcgttccatc gtggagtgcg gtggggtgcc cgcgatcata 87960

tgtgccctac tggccagaga cccggcctgt ttatggaccg gacccccggg gttagtgttg 88020

tttccgccac ccatgccccc gtaccatggc cccggttccc ctgattaggc tacgagtcgc 88080

ggtgatcgct tcccaaaaac cgagctgcgt ttgtctgtct tgatctttcc ccccccgcc 88140

cgcccgcccg cccgcacacc ataacaccga gaacaacaca cgggggtggg cgtaacataa 88200

taaagcttta ttggtaacta gttaacggca agtccgtggg tggcgcgacg gtgtcctccg 88260

ggctcatctc gtcgtcctcg acgggggtgt tggaatgagg cgccccctcg cggtccgcct 88320

ggcgtgggcc gtgcccatag gcctccggct tctgtgcgtc catgggcata ggcgcgggga 88380

gactgtttcc ggcgtcgcgg acctccaggt ccctgggaga ctccggtccg gctaacggac 88440

gaaacgcgga agcgcgaaac acgccgtcgg tgacccgcag gagctcgttc atcagtaacc 88500

aatccatact cagcgtaacg gccagcccct ggcgagacag atccacggag tccggaaccg 88560

cggtcgtctg gcccaggggg ccgaggctgt agtcccccca ggcccctagg tcgcgacggc 88620

tcgtaagcac gacgcggtcg gccgcggggc tttgcggggg ggcgtcctcg ggcgcatgcg 88680

ccattacctc tcggatggcc gcggcgcgct ggtcggccga gctgaccaag ggcgccacga 88740

ccacggcgcg ctccgtctgc aggcccttcc acgtgtcgtg gagttcctgg acaaactcgg 88800

ccacgggctc gggtcccgcg gccgcgcgcg cggcttgata gcaggccgag agacgccgcc 88860

agcgcgctag aaactgaccc atgaagcaaa acccggggac ctggtctccc gacagcagct 88920

tcgacgcccg ggcgtgaatg ccggacacga cggacagaaa cccgtgaatt tcgcgccgga 88980

ccacggccag cacgttgtcc tcgtgcgaca cctgggccgc cagctcgtcg cacaccccca 89040

ggtgcgccgt ggtttcggtg atgacggaac gcaggctcgc gagggacgcg accagcgcgc 89100

gcttggcgtc gtgatacatg ctgcagtact gactcaccgc gtcccccatg gcctcggggg 89160

gccagggccc caggcggtcg ggcgtgtccc cgaccaccgc atacaggcgg cgcccgtcgc 89220

tctcgaaccg acactcgaaa aaggcggaga gcgtgcgcat gtgcagccgc agcagcacga 89280

tggcgtcctc cagttggcga atcaggggggt ctgcgcgctc ggcgaggtcc tgcagcaccc 89340

cccgggcggc cagggcgtac atgctaatca acaggaggct ggtgcccacc tcgggggggcg 89400

ggggggggctg cagctggacc aggggccgca gctgctcgac ggcacccctg gagatcacgt 89460

acagctcccg gagcagctgc tctatgttgt cggccatctg catagtgggg ccgaggccgc 89520

cccgggcggc cggttcgagg agggtaatca gcgcgcccag tttggtgcga tggccctcga 89580

ccgtggggag atagcccagc ccaaagtccc gggcccaggc caacacacgc agggcgaact 89640

cgaccgggcg tggaaggtag gccgcgctac acgtggccct caacgcgtcc ccgaccacca 89700

gggccagaac gtaggggacg aagcccgggt cggcgaggac gttggggtga atgccctcga 89760

gggcggggaa gcggatctgg gtcgccgcgg ccaggtggac agagggggcg tggctgggct 89820

gcccgacggg gagaagcgcg gacagcggcg tggccggggt ggtgggggtg atgtcccagt 89880

gggtctgacc atacacgtcg atccagatga gcgccgtctc gcggagaagg ctgggttgac 89940

cggaactaaa gcggcgctcg gccgtctcaa actcccccac gagcgcccgc cgcaggctcg 90000

ccagatgttc cgtcggcacg gccggaccca tgatacgcgc cagcgtctgg ctcagaacgc 90060

cccccgacag gccgaccgcc tcgcagagcc gcccgtgcgt gtgctcgctg gcgccctgga 90120

cccgcctgaa agtttttacg tagttggcat agtacccgta ttcccgcgcc agaccaaaca 90180

cgttcgaccc cgcgagggca atgcacccaa agagctgctg gacttcgccg agtccgtggc 90240

cggcgggcgt ccgcgcgggg acgcccgccg ccagaaaccc ctccagggcc gaaaggtagt 90300

gcgtgcagtg cgagggcgtg aacccagcgt cgatcagggt gttgatcacc acggagggcg 90360

aattggtatt ctggatcaac gtccacgtct gctgcagcag agccagcagc cgctgctggg 90420

cgccggcgga gggctgctcc ccgagctgca gcaggctgga gacggcaggc tggaagactg 90480

ccagtgccga cgaactcagg aacggcacgt cgggatcaaa cacggccacg tccgtccgca 90540

cgcgcgccat tagcgtcccc gggggcgcac aggccgagcg cgggctgacg cggctgaggg 90600

ccgtcgacac gcgcacctcc tcgcggctgc gaaccatctt gttggcctcc agtggcggaa 90660

tcattatggc cgggtcgatc tcccgcacgg tgtgctgaaa ctgcgccaac aggggcggcg 90720

ggaccacagc cccccgctcg ggggtcgtca ggtactcgtc caccagggcc aacgtaaaga 90780

gggcccgtgt gaggggagtg agggtcgcgt cgtctatgcg ctggaggtgc gccgagaaca 90840

gcgtcacccg attactcacc agggccaaga accggaggcc ctcttgcacg aacggggcgg 90900

ggaagagcag gctgtacgcc ggggtggtaa ggttcgcgct gggctgcccc aacgggaccg 90960

gcgccatctt gagcgacgtc tccccaaggg cctcgatgga ggtccgcggg ctcatggcca 91020

agcagctctt ggtgacggtt tgccagcggt ctatccactc cacggcgcac tggcggacgc 91080

ggaccggccc cagggccgcc gcggtgcgca ggccggcgga atccagcgca tgggacgtgt 91140

cggagccggt gaccgcgagg atggtgtcct tgatgacctc catctcccgg aaggcctggt 91200

cgggggcctc ggggagagcc accaccaagc ggtgtacgag caacccgggg aggttctcgg 91260

ccaagagcgc cgtctccgga agcccgtggg cccggtggag cgcgcacagg tgttccagca 91320

gcggccgcca gcatgcccgc gcgtctgccg gggcgatggc cgttcccgac aacagaaacg 91380

ccgccatggc ggcgcgcagc ttggccgtgg ccagaaacgc cgggtcgtcc gccccgtttg 91440

ccgtctcggc cgtgggggtt ggcggttggc gaaggccggc taggctcgcc aataggcgct 91500

gcataggtcc gtccgagggc ggaccggcgg gtgaggtcgt gacgacgggg gcctcggacg 91560

ggagaccgcg gtctgccatg acgcccggct cgcgtgggtg ggggacagcg tagaccaacg 91620

acgagaccgg gcgggaatga ctgtcgtgcg ctgtagggag cggcgaatta tcgatcccct 91680

gcggccctcc aggaaccccg caggcgttgc gagtaccccg cgtcttcgcg gggtgttata 91740

cggccactta agtcccggca tcccgttcgc ggacccaggc ccgggggatt gtccggatgt 91800

gcgggcagcc cggacggcgt gggttgcgga ctttctgcgg ggcggcccaa atggcccttt 91860

aaacgtgtgt atacggacgc gccgggccag tcggccaaca caacccaccg gaggcggtag 91920

ccgcgtttgg ctgtggggtg ggtggttccg ccttgcgtga gtgtcctttc gacccccccc 91980

tcccccgggt cttgctaggt cgcgatctgt ggtcgcaatg aagaccaatc cgctacccgc 92040

aaccccttcc gtgtggggcg ggagtaccgt ggaactcccc cccaccacac gcgataccgc 92100

ggggcagggc ctgcttcggt gcgtcctgcg ccccccgatc tctcgccgcg acggcccagt 92160

gctccccagg gggtcgggac cccggagggc ggccagcacg ctgtggttgc ttggcctgga 92220

cggcacagac gcgccccctg gggcgctgac ccccaacgac gataccgaac aggccctgga 92280

caagatcctg cggggcacca tgcgcggggg ggcggccctg atcggctccc cgcgccatca 92340

tctaacccgc caagtgatcc tgacggatct gtgccaaccc aacgcggatc gtgccgggac 92400

gctgcttctg gcgctgcggc accccgccga cctgcctcac ctggcccacc agcgcgcccc 92460

gccaggccgg cagaccgagc ggctgggcga ggcctggggc cagctgatgg aggcgaccgc 92520

cctggggtcg gggcgagccg agagcgggtg cacgcgcgcg ggcctcgtgt cgtttaactt 92580

cctggtggcg gcgtgtgccg cctcgtacga cgcgcgcgac gccgccgatg cggtacgggc 92640

ccacgtcacg gccaactacc gcgggacgcg ggtgggggcg cgcctggatc gtttttccga 92700

gtgtctgcgc gccatggttc acacgcacgt cttcccccac gaggtcatgc ggtttttcgg 92760

ggggctggtg tcgtgggtca cccaggacga gctagcgagc gtcaccgccg tgtgcgccgg 92820

gccccaggag gcggcgcaca ccggccaccc gggccggccc cgctcggccg tgatcctccc 92880

ggcgtgtgcg ttcgtggacc tggacgccga gctggggctg gggggcccgg gcgcggcgtt 92940

tctgtacctg gtattcactt accgccagcg ccgggaccag gagctgtgtt gtgtgtacgt 93000

gatcaagagc cagctccccc cgcgcgggtt ggagccggcc ctggagcggc tgtttgggcg 93060

cctccggatc accaacacga ttcacggcac cgaggacatg acgcccccgg ccccaaaccg 93120

aaaccccgac ttccccctcg cgggcctggc cgccaatccc caaaccccgc gttgctcggc 93180

tggccaggtc acgaaccccc agttcgccga caggctgtac cgctggcagc cggaccttcg 93240

ggggcgcccc accgcacgca cctgtacgta cgccgccttt gcagagctcg gcatgatgcc 93300

cgaggatagt ccccgctgcc tgcaccgcac cgagcgcttt ggggcggtca gcgtccccgt 93360

tgttattctg gaaggcgtgg tgtggcgccc cggcgagtgg cgggcatgcg cgtgagcgta 93420

gcaaacgccc cgcccacaca acgctccgcc cccaacccct tccccgctgt cactcgtggt 93480

tcgttgaccc ggacgtccgc caaataaagc cactgaaacc cgaaacgcga gtgttgtaac 93540

gtcctttggg cgggaggaag ccacaaaatg caaatgggat acatggaagg aacacacccc 93600

cgtgactcag gacatcggcg tgtccttttg ggtttcactg aaactggccc gcgccccacc 93660

cctgcgcgat gtggataaaa agccagcgcg ggtggtttag ggtaccacag gtgggtgctt 93720

tggaaacttg tcggtcgccg tgctcctgtg agcttgcgtc cctccccggt ttcctttgcg 93780

ctcccgcctt ccggacctgc tctcgcctat cttctttggc tgtcggtgcg attcgtcagg 93840

cagcggcctt gtcgaatctc gaccccacca ctcgccggac ccgccgacgt cccctctgga 93900

gcccgccgaa acccgccgcg tctgttgaaa tggccagccg cccagccgca tcctctcccg 93960

tcgaagcgcg ggccccggtt gggggacagg aggccggcgg ccccagcgca gccacccagg 94020

gggaggccgc cggggccccc ctcgcccacg gccaccacgt gtactgccag cgagtcaatg 94080

gcgtgatggt gctttccgac aagacgcccg ggtccgcgtc ctaccgcatc agcgatagca 94140

actttgtcca atgtggttcc aactgcacca tgattatcga cggagacgtg gtgcgcgggc 94200

gcccccagga cccgggggcc gcggcatccc ccgctccctt cgttgcggtg acaaacatcg 94260

gagccggcag cgacggcggg accgccgtcg ttgcattcgg gggaacccca cgtcgctcgg 94320

cggggacgtc taccggtacc cagacggccg acgtcccagc cgaggccctt gggggccccc 94380

ctcctcctcc ccgcttcacc ctgggtggcg gctgttgctc ctgtcgcgac acacggcgcc 94440

gctctgcggt attcgggggg gaggggggatc ccgtcggccc cgcggagttc gtctcggacg 94500

accggtcgtc cgattccgac tcggatgact cggaggacac cgactcggag acgctgtcac 94560

acgcctcctc ggacgtgtcc ggcggggcca cgtacgacga cgcccttgac tccgattcgt 94620

catcggatga ctccctgcag atagatggcc ccgtgtgtcg cccgtggagc aatgacaccg 94680

cgcccctgga tgtttgcccc gggacccccg gcccgggcgc cgacgccggt ggtccctcag 94740

cggtagaccc acacgcgccg acgacagggg ccggcgctgg tcttgcggcc gatcccgccg 94800

tggcccggga cgacgcggag gggctttcgg acccccggcc acgtctggga acgggcacgg 94860

cctaccccgt ccccctggaa ctcacgcccg agaacgcgga ggccgtggcg cgctttctgg 94920

gagatgccgt gaaccgcgaa cccgcgctca tgctggagta cttttgccgg tgcgcccgcg 94980

aggaaaccaa gcgtgtcccc cccaggacat tctgcagccc ccctcgcctc acggaggacg 95040

actttgggct tctcaactac gcgctcgtgg agatgcagcg cctgtgtctg gacgttcctc 95100

cggtcccgcc gaacgcatac atgccctatt atctcaggga gtatgtgacg cggctggtca 95160

acgggttcaa gccgctggtg agccggtccg ctcgccttta ccgcatcctg ggggttctgg 95220

tgcacctgcg gatccggacc cgggaggcct cctttgagga gtggctgcga tccaaggaag 95280

tggccctgga ctttggcctg acggaaaggc ttcgcgagca cgaagcccag ctggtgatcc 95340

tggcccaggc tctggaccat tacgactgtc tgatccacag cacaccgcac acgctggtcg 95400

agcgggggct gcaatcggcc ctgaagtatg aggagtttta cctaaagcgc tttggcgggc 95460

actacatgga gtccgtcttc cagatgtaca cccgcatcgc cggctttttg gcctgccggg 95520

ccacgcgcgg catgcgccac atcgccctgg ggcgagaggg gtcgtggtgg gaaatgttca 95580

agttcttttt ccaccgcctc tacgaccacc agatcgtacc gtcgaccccc gccatgctga 95640

acctggggac ccgcaactac tacacctcca gctgctacct ggtaaacccc caggccacca 95700

caaacaaggc gaccctgcgg gccatcacca gcaacgtcag tgccatcctc gcccgcaacg 95760

ggggcatcgg gctatgcgtg caggcgttta acgactccgg ccccgggacc gccagcgtca 95820

tgcccgccct caaggtcctc gactcgctgg tggcggcgca caacaaagag agcgcgcgtc 95880

cgaccggcgc gtgcgtgtac ctggagccgt ggcacaccga cgtgcgggcc gtgctccgga 95940

tgaagggggt cctcgccggc gaagaggccc agcgctgcga caatatcttc agcgccctct 96000

ggatgccaga cctgtttttc aagcgcctga ttcgccacct ggacggcgag aagaacgtca 96060

catggaccct gttcgaccgg gacaccagca tgtcgctcgc cgactttcac ggggaggagt 96120

tcgagaagct ctaccagcac ctcgaggtca tggggttcgg cgagcagata cccatccagg 96180

agctggccta tggcattgtg cgcagtgcgg ccacgaccgg gagccccttc gtcatgttca 96240

aagacgcggt gaaccgccac tacatctacg acacccaggg ggcggccatc gccggctcca 96300

acctctgcac cgagatcgtc catccggcct ccaagcgatc cagtggggtc tgcaatctgg 96360

gaagcgtgaa tctggcccga tgcgtctcca ggcagacgtt tgactttggg cggctccgcg 96420

acgccgtgca ggcgtgcgtg ctgatggtga acatcatgat cgacagcacg ctacaaccca 96480

cgccccagtg cacccgcggc aacgacaacc tgcggtccat gggaatcggc atgcagggcc 96540

tgcacacggc ctgcctgaag ctggggctgg atctggagtc tgccgaattt caggacctga 96600

acaaacacat cgccgaggtg atgctgctgt cggcgatgaa gaccagcaac gcgctgtgcg 96660

ttcgcggggc ccgtcccttc aaccacttta agcgcagcat gtatcgcgcc ggccgctttc 96720

actgggagcg ctttccggac gcccggccgc ggtacgaggg cgagtgggag atgctacgcc 96780

agagcatgat gaaacacggc ctgcgcaaca gccagtttgt cgcgctgatg cccaccgccg 96840

cctcggcgca gatctcggac gtcagcgagg gctttgcccc cctgttcacc aacctgttta 96900

gcaaggtgac ccgggacggc gagacgctgc gccccaacac gctcctgcta aaggaactgg 96960

aacgcacgtt tagcgggaag cgcctcctgg aggtgatgga cagtctcgac gccaagcagt 97020

ggtccgtggc gcaggcgctc ccgtgcctgg agcccaccca ccccctccgg cgattcaaga 97080

ccgcgtttga ctacgaccag aagttgctga tcgacctgtg tgcggaccgc gccccctacg 97140

tcgaccatag ccaatccatg accctgtatg tcacggagaa ggcggacggg accctcccag 97200

cctccaccct ggtccgcctt ctggtccacg catataagcg cggactaaaa acagggatgt 97260

actactgcaa ggttcgcaag gcgaccaaca gcggggtctt tggcggcgac gacaacattg 97320

tctgcacgag ctgcgcgctg tgaccgacaa acccccctccg cgccaggccc gccgccactg 97380

tcgtcgccgt cccacgcgct cccccgctgc catggattcc gcggccccag ccctctcccc 97440

cgctctgacg gcccatacgg gccagagcgc gccggcggac ctggcgatcc agattccaaa 97500

gtgccccgac cccgagaggt acttctacac ctcccagtgt cccgacatta accacctgcg 97560

ctccctcagc atccttaacc gctggctgga aaccgagctt gttttcgtgg gggacgagga 97620

ggacgtctcc aagctttccg agggcgagct cagcttttac cgcttcctct tcgctttcct 97680

gtcggccgcc gacgacctgg ttacggaaaa cctgggcggc ctctccggcc tgtttgagca 97740

gaaggacatt ctccactact acgtggagca ggaatgcatc gaagtcgtac actcgcgcgt 97800

gtacaacatc atccagctgg tgctttttca caacaacgac caggcgcgcc gcgagtacgt 97860

ggccggcacc atcaaccacc cggccatccg cgccaaggtg gactggttgg aagcgcgggt 97920

gcgggaatgc gcctccgttc cggaaaagtt cattctcatg atcctcatcg agggcatctt 97980

ttttgccgcc tcgtttgccg ccatcgccta ccttcgcacc aacaaccttc tgcgggtcac 98040

ctgccagtca aacgacctca tcagccggga cgaggccgtg cacacgacgg cctcgtgtta 98100

catctacaac aactacctcg gcgggcacgc caagcccccg cccgaccgcg tgtacgggct 98160

gttccgccag gcggtcgaga tcgagatcgg atttatccga tcccaggcgc cgacggacag 98220

ccatatcctg agcccggcgg cgctggcggc catcgaaaac tacgtgcgat tcagcgcgga 98280

tcgcctgttg ggccttatcc acatgaagcc actgttttcc gccccacccc ccgacgccag 98340

ctttccgctg agcctcatgt ccaccgacaa acacaccaat tttttcgagt gtcgcagcac 98400

ctcctacgcc ggggcggtcg tcaacgatct gtgagggtcg cggcgcgctt ctacccgtgt 98460

ttgcccataa taaacctctg aaccaaactt tgggtctcat tgtgattctt gtcagggacg 98520

cgggggtggg agaggataaa aggcggcgca aaaagcagta accaggtccg gccagattct 98580

gagggcatag gataccataa ttttattggt gggtcgtttg ttcggggaca agcgcgctcg 98640

tctgacgttt gggctactcg tcccagaatt tggccaggac gtccttgtag aacgcgggtg 98700

gggggcctg ggtccgcagc tgctccagaa acctgtcggc gatatcaggg gccgtgatat 98760

gccgggtcac gatagatcgc gccaggtttt cgtcgcggat gtcctggtag ataggcaggc 98820

gtttcagaag agtccacggc ccccgctcct tggggccgat aagcgatatg acgtacttaa 98880

tgtagcggtg ttccaccagc tcggtgatgg tcatgggatc ggggagccag tccagggact 98940

ctggggcgtc gtggatgacg tggcgtcgcc ggctggccac ataactgcgg tgctcttcca 99000

gcagctgcgc gttcgggacc tggacgagct cgggcggggt gagtatctcc gaggaggacg 99060

acctggggcc ggggtggccc ccggtaacgt cccggggatc cagggggagg tcctcgtcgt 99120

cttcgtatcc gccggcgatc tgttgggtta gaatttcggt ccacgagacg cgcgtctcgg 99180

tgccgccggt ggccggcggc agaggggggcc tggtttccgt ggagcgcgag ctggtgtgtt 99240

cccggcggat ggcccgccgg gtctgagagc gactcggggg ggtccagtga cattcgcgca 99300

gcacatcctc cacggaggcg taggtgttat tgggatggag gtcggtgtgg cagcggacaa 99360

agagggccag gaactggggg tagctcatct taaagtactt cagtatatcg cgacagttga 99420

tcgtgggaat gtagcaggcg ctaatatcca acacaatatc gcagcccatc aacaggaggt 99480

cagtgtccgt ggtgtacacg tacgcgaccg tgttggtgtg atagaggttg gcgcaggcat 99540

cgtccgcctc cagctgaccc gagttaatgt aggcgtaccc cagggcccgg agaacgcgaa 99600

tacagaacag atgcgccaga cgcagggccg gcttcgaggg cgcggcggac ggcagcgcgg 99660

ctccggaccc ggccgtcccc cgggtccccg aggccagaga ggtgccgcgt cggcgcatgt 99720

tggaaaaggc agagctgggt ctggagtcgg tgatggggga aggcggtgga gaggcgtcca 99780

cgtcactggc ctcctcgtcc gtccggcact gggccgtcgt gcgggccagg atggccttgg 99840

ctccaaacac aaccggctcc atacaattga ccccgcgatc ggtaacgaag atggggaaaa 99900

gggacttttg ggtaaacacc tttaataagc gacagaggca gtgtagcgta atggcctcgc 99960

ggtcgtaact ggggtatcgg cgctgatatt tgaccaccaa cgtgtacatg acgttccaca 100020

ggtccacggc aatgggggtg aagtacccgg ccggggcccc aaggccccgg cgcttgacca 100080

gatggtgtgt gtgggcaaac ttcatcatcc cgaacaaacc catgtcaggt cgattgtaac 100140

tgcggatcgg cctaactaag gcgtggttgg tgcgacggtc cgggacaccc gagcctgtct 100200

ctctgtgtat ggtgacccag acaacaacac cgacacaaga ggacaataat ccgttagggg 100260

acgctcttta taatttcgat ggcccaactc cacgcggatt ggtgcagcac cctgcatgcg 100320

ccggtgcggg ccaaccttcc ccccgctcat tgcctcttcc aaaagggtgt ggcctaacga 100380

gctgggggcg tatttaatca ggctagcgcg gcgggcctgc cgtagtttct ggctcggtga 100440

gcgacggtcc ggttgcttgg gtcccctggc tgccatcaaa accccaccct cgcagcggca 100500

tacgcccccc ccgcgtcccg cacccgagac cccggcccgg ctgccctcac caccgaagcc 100560

cacctcgtca ctgtggggtg ttcccagccc gcgttgggat gacggattcc cctggcggtg 100620

tggcccccgc ctcccacgtg gaggacgcgt cggacgcgtc cctcgggcag ccggaggagg 100680

gggcgccctg ccaggtggtc ctgcagggcg ccgagcttaa tggaatccta caggcgtttg 100740

ccccgctgcg cacgagcctt ctggactcgc ttctggttat gggagaccgg ggcatcctta 100800

tccataacac gatctttggg gagcaggtgt tcctgcccct ggaacactcg caattcagtc 100860

ggtatcgctg gcgcggaccc acggcggcgt tcctgtctct cgtggaccag aagcgctccc 100920

tcctgagcgt gtttcgcgcc aaccagtacc cggacctacg tcgggtggag ttggcgatca 100980

cgggccaggc cccgtttcgc acgctggttc agcgcatatg gacgacgacg tccgacggcg 101040

aggccgttga gctagccagc gagacgctga tgaagcgcga actgacgagc tttgtggtgc 101100

tggttcccca gggaaccccc gacgttcagt tgcgcctgac gaggccgcag ctcaccaagg 101160

tccttaacgc gaccggggcc gatagtgcca cgcccaccac gttcgagctc ggggttaacg 101220

gcaaattttc cgtgttcacc acgagtacct gcgtcacatt tgctgcccgc gaggagggcg 101280

tgtcgtccag caccagcacc caggtccaga tcctgtccaa cgcgctcacc aaggcgggcc 101340

aggcggccgc caacgccaag acggtgtacg gggaaaatac ccatcgtacc ttctctgtgg 101400

tcgtcgacga ttgcagcatg cgggcggtgc tccggcgact gcaggtcgcc gggggcaccc 101460

tcaagttctt cctcacgacc cccgtcccca gtctgtgcgt caccgccacc ggtcccaacg 101520

cggtatcggc ggtatttctc ctgaaacccc agaagatttg cctggactgg ctgggtcata 101580

gccaggggtc tccttccgcc gggagctcgg cctcccgggc ctctgggagc gagccaacag 101640

acagccagga ctccgcgtcg gacgcggtca gccacggcga tccggaagac ctcgatggcg 101700

ctgcccgggc gggagaggcg ggggcctcgt acgcctgtcc gatgccgtcg tcgaccacgc 101760

gggtcactcc cacgaccaag cgggggcgct cgggggggcga ggatgcgcac gcggacacgg 101820

ccctaaagaa acctaagacg gggtcgccca ccgcaccccc gcccgcagat ccagtccccc 101880

tggacacgga ggacgactcc gatgcggcgg acgggacggc ggcccgtccc gccgctccag 101940

acgcccgaag cggaagccgt tacgcgtgtt actttcgcga cctcccgacc ggagaagcaa 102000

gccccggcgc cttctccgcc ttccgggggg gcccccaaac cccgtctggt tttggattcc 102060

cctgacgggg cggggcctta gcggccgccc aaccctcgca acatcccggg gttaatgtaa 102120

ataaacttgg tattgcccaa cactctcccg cgtgtcgcgt gtggttcatg tgtgtgcctg 102180

gcgcccccac cctcgggttc gtgtatttcc tttccctgtc cttataaaag ccgtatgtgg 102240

ggcgctgacg gaaccacccc gcgtgccatc acggccaagg cgcgggatgc tccgcaacga 102300

cagccaccgg gccgcgtccc cggaggacgg ccagggacgg gtcgacgacg gacggccaca 102360

cctcgcgtgc gtgggggccc tggcgcgggg gttcatgcat atctggcttc aggccgccac 102420

gctgggtttt gcgggatcgg tcgttatgtc gcgcgggccg tacgcgaatg ccgcgtctgg 102480

ggcgttcgcc gtcgggtgcg ccgtgctggg ctttatgcgc gcgccccctc ccctcgcgcg 102540

gcccaccgcg cggatatacg cctggctcaa actggcggcc ggtggagcgg cccttgttct 102600

gtggagtctc ggggagcccg gcacgcagcc gggggccctg gccccgggcc cggccaccca 102660

gtgcctggcg ctgggcgccg cctatgcggc gctcctggtg ctcgccgatg acgtctatcc 102720

gctctttctc ctcgccccgg ggcccctgtt cgtcggcacc ctggggatgg tcgtcggcgg 102780

gctgacgatc ggaggcagcg cgcgctactg gtggatcggt gggcccgccg cggccgccct 102840

ggccgcggcg gtgttggcgg gcccgggggc gaccaccgcc agggactgct tctccagggc 102900

gtgccccgac caccgccgcg tctgcgtcat cgtcgcaggc gagtctgttt cccgccgccc 102960

cccggaggac ccagagcgac ccggggaccc agggccaccg tccccccga caccccaacg 103020

atcccagggg ccgccggccg atgaggtcgc accggccggg gtagcgcggc ccgaaaacgt 103080

ctgggtgccc gtggtcacct ttctgggggc tggcgcgctc gccgtcaaga cggtgcgaga 103140

acatgcccgg ggaacgccgg gcccgggcct gccgctgtgg ccccaggtgt ttctcggagg 103200

ccatgtggcg gtggccctga cggagctgtg tcaggcgctt gcgccctggg accttacgga 103260

cccgctgctg tttgttcacg ccggactgca ggtcatcaac ctcgggttgg tgtttcggtt 103320

ttccgaggtt gtcgtgtatg cggcgctagg gggtgccgtg tggatttcgt tggcgcaggt 103380

gctggggctc cggcgtcgcc tgcacaggaa ggaccccggg gacggggccc ggttggcggc 103440

gacgcttcgg ggcctcttct tctccgtgta cgcgctgggg tttggggtgg gggcgctgct 103500

gtgccctccg gggtcaacgg gcgggcggtc gggcgattga tatatttttc aataaaaggc 103560

attagtcccg aagaccgccg gtgtgtgatg atttcgccat aacacccaaa ccccggatgg 103620

ggcccgggta taaattccgg aaggggacac gggctacctt cactaccgag ggcgcttggt 103680

cgggaggccg catcgaacgc acacccccat ccggtggtcc gtgtggaggt cgtttttcag 103740

tgcccggtct cgctttgccg ggaacgctag ccgatccctc gcgaggggga ggcgtcgggc 103800

atggccccgg ggcgggtggg ccttgccgtg gtcctgtgga gcctggtgtg gctcggggcg 103860

ggggtgtccg ggggctcgga aactgcctcc accgggccca cgatcaccgc gggagcggtg 103920

acgaacgcga gcgaggcccc cacatcgggg tcccccgggt cagccgccag cccggaggtc 103980

acccccacat cgaccccaaa ccccaacaat gtcacacaaa accaaaccac ccccaccgag 104040

ccggccagcc ccccaacaac ccccaagccc acctccacac ccaaaagccc ccccacgtcc 104100

acccccgacc ccaaacccaa gaacaacacc acccccgcca agtcggaccg ccccactaaa 104160

ccccccgggc ccgtgtggtg cgaccgccgc gatttattgg cccggtacgg ctcgcgggtg 104220

cagatccgat gccggtttcg gaattccacc cgcatggagt tccgcctcca gatatggcgt 104280

tactccatgg gtccgtcccc cccaatcgct ccggctcccg acctagagga ggtcctgacg 104340

aacatcaccg ccccacccgg gggactcctg gtgtacgaca gcgcccccaa cctaacggac 104400

ccccacgtgc tctgggcgga gggggccggc ccgggcgccg accctccgtt gtattctgtc 104460

accgggccgc tgccgaccca gcggctgatt atcggcgagg tgacgcccgc gacccaggga 104520

atgtattact tggcctgggg ccggatggac agcccgcacg agtacgggac gtgggtgcgc 104580

gtccgcatgt tccgcccccc gtctctgacc ctccagcccc acgcggtgat ggagggtcag 104640

ccgttcaagg cgacgtgcac ggccgccgcc tactacccgc gtaaccccgt ggagtttgtc 104700

tggttcgagg acgaccacca ggtgtttaac ccgggccaga tcgacacgca gacgcacgag 104760

caccccgacg ggttcaccac agtctctacc gtgacctccg aggctgtcgg cggccaggtc 104820

cccccgcgga ccttcacctg ccagatgacg tggcaccgcg actccgtgac gttctcgcga 104880

cgcaatgcca ccgggctggc cctggtgctg ccgcggccaa ccatcaccat ggaatttggg 104940

gtccggcatg tggtctgcac ggccggctgc gtccccgagg gcgtgacgtt tgcctggttc 105000

ctgggggacg acccctcacc ggcggctaag tcggccgtta cggcccagga gtcgtgcgac 105060

cgccccgggc tggctacggt ccggtccacc ctgcccattt cgtacgacta cagcgagtac 105120

atctgtcggt tgaccggata tccggccggg attcccgttc tagagcacca cggcagtcac 105180

cagcccccac ccagggaccc caccgagcgg caggtgatcg aggcgatcga gtgggtgggg 105240

attggaatcg gggttctcgc ggcgggggtc ctggtcgtaa cggcaatcgt gtacgtcgtc 105300

cgcacatcac agtcgcggca gcgtcatcgg cggtaacgcg agaccccccc gttacctttt 105360

taatatctat atagtttggt ccccctctat cccgcccacc gctgggcgct ataaagccgc 105420

caccctctct tccctcaggt catccttggt cgatcccgaa cgacacacgg cgtggagcaa 105480

aacgcctccc cctgagccgc tttcctacca gcgcaacggc atgcctctgc gggcatcgga 105540

acacgcctac cggcccctgg gccccgggac acccccccatg cgggctcggc tccccgccgc 105600

ggcctgggtt ggcgtcggga ccatcatcgg gggagttgtg atcattgccg cgttggtcct 105660

cgtgccctcg cgggcctcgt gggcactttc cccatgcgac agcggatggc acgagttcaa 105720

cctcgggtgc atatcctggg atccgacccc catggagcac gagcaggcgg tcggcggctg 105780

tagcgccccg gcgaccctga tcccccgcgc ggctgccaaa cagctggccg ccgtcgcacg 105840

cgtccagtcg gcaagatcct cgggctactg gtgggtgagc ggagacggca ttcgggcctg 105900

cctgcggctc gtcgacggcg tcggcggtat tgaccagttt tgcgaggagc ccgcccttcg 105960

catatgctac tatccccgca gtcccggggg ctttgttcag tttgtaactt cgacccgcaa 106020

cgcgctgggg ctgccgtgag gcgcgtgtac tgcggtctgt ctcgtctcct cttctcccct 106080

tccctccccc tccgcatccc aggatcacac cggccaacga gggttggggg gtccggcacg 106140

gacccaaaat aataaacaca caatcacgtg cgataaaaag aacacgcggt cccctgtggt 106200

gtttttggtt atttttatta aatctcgtcg tcaaacaggg ggaaaggggc gtggtctagc 106260

gacggcagca cgggtggagg cgttcaccgg ctccggcgtc cttcgcgttt aagcttggtc 106320

aggagggcgc tcagggcggc gacgttggtc gggccgtcgt tggtcagggc gttggctcga 106380

tggcgggcga ggacgggcga ggggctcaac ggcgggggcg ggggcccggt gcggcccggg 106440

ggggaaaata gggcggatcc cccccagtcg tacaggggat tttccgcctc aatgtacggg 106500

gaggccggcg ctgcattcgc cgtgttcgcg cagacgtttt cgtagacccg catccatggt 106560

atttcctcgt agacacgccc cccgtcctcg ctcacagtct cgtatattga ctcgtcgtcc 106620

tcgtaggggg cgtgccgttc gcgggccgag gcggcgtggg tggctttgcg gcgggcgtcg 106680

tcgtcgtcgt cggccgtcag atacgtggct tccatctggt cgggttctcc ctccggggcg 106740

ggtccccacc cccgtggccg atcgaggctc cccagagacg cgcgccggac gaggaggggg 106800

cacgtcgccg ccggcggtcg cctgtcgggt cccgcgacgt tacgggccgg gaggcgcggg 106860

ggcacctccc ccatgtgcgt gtaatacgtg gccggctgtg cggccgcagc ggggggctcg 106920

gcgaccgggt cgtccgcatc cggaagcggg ggcgccgcgc cgtccgcgcg gcgcctccgg 106980

aaccgccggg tggccgcggg ggtcgagtgt aggcgaggtc gggggagggg cgggggctcg 107040

ttgtcgcgcc gcgcccgctg aatcttttcc cgacaggtcc caccccccgc gcgatgcccc 107100

cccgggccgc gggccatgtc gtccggggga ggccccgcgg accacgtcgt ccggcgagac 107160

gccacgagcc gcaggatgga ctcgtagtgg agcgacggcg ccccgctgcg gagcagatcc 107220

gcggccaggg cggccccgaa ccaagccttg atgctcaact ccatccgggc ccagctgggg 107280

gcggtcatcg tggggaacag gggggcggtg gtccgacaga aacgctcctg gctgtccacc 107340

gcggcccgca gatactcgtt gttcaggctg tcggtggccc agacgccgta cccggtgagg 107400

gtcgcgttga tgatatactg ggcgtggtga tggacgatcg acagaacctc caccgtggat 107460

acgacggtat ccacggtccc gtacgtaccg ccgctccgct tgccggtctg ccacaggttg 107520

gctaggcgcg tcaggtggcc caggacgtcg ctgaccgccg ccctgagcgc catgcactgc 107580

atggagccgg tcgtgccgct gggaccccgg tccagatggc gcgcgaacgt ttccgcgggc 107640

gcctccgggc tgccgccgag cgggaggaac cggcgattgg agggactcag ccggtggcat 107700

acgtgcttgt ctgtcgtcca cagcatccag gacgcccacc ggtacagcac ggagacgtag 107760

gccaggagct cgttgagccg cagtgcggtg tcggtgctgg ggcggcttgg gtccgccggg 107820

cgcataaaga acatgtactg ctgaatccga tggagggcgt cgcgcaggcc ggccacggtg 107880

gcggcgtact tggccgccgc ggccccgctc ttgaacgggg tgcgcgccag cagctttggc 107940

gccagggtgg gccgcagcag cacgtgaagg ctggggtcgc agtcgcccac ggggtcctcg 108000

gggacgtcca ggccgctggg caccaccgtc tgcaggtact tccagtactg cgtgaggatg 108060

gcgcggctca actggccgcc ggtgagctcc acctcgccca gcgcctgggt ggcggccgaa 108120

gcgtagtgcc ggatgtactc gtagtgcggg tcgctggcga gcccgtccac gatcaaactc 108180

tcgggaaccg tgttgtgttg ccgcgcggcc aaccggacgc tgcgatcggt gcaggtcaga 108240

aacgccggct gcgcgtcgtc ggagcgctgc cgcaaggcgc ccacggccgc gctaaggagc 108300

ccctccgggg tggggagcag acacccgccg aagatgcgcc gctcgggaac gcccgcgttg 108360

tcgccgcgga tcaggttggc aggcgtcagg caccgcgcca gccgcaggga gctcgcgccg 108420

cgcgtccggc gctgcatggt gacgcccgtt cggtcgggac ccgccggtcg gagttatgcc 108480

gcgtccaggg ccatcggggc gctttttatc gggaggagct tatgggcgtg gcgggcctcc 108540

cagcccggtc gcgcgcctcc ccgacacgtg cgcccgcagg gcggcggccc cctcgtctcc 108600

catcagcagt ttcctaaact gggacatgat gtccaccacg cggacccgcg ggcccaacac 108660

ggacccgccg cttacggggg cgggggggaa gggctccagg tccttgagaa gaaaggcggg 108720

gtctgccgtc ccggacacgg gggcccgggg cgctgaggag gcggggcgca gatccacgtg 108780

ctccgcggcc gcgcggacgt ccgcccagaa cttggcgggg gtggtgcgcg cgtacagggg 108840

ctgggtcgct cggaggacgc acgcgtagcg caggggggtg tacgtgccca cctcgggggc 108900

cgtgaatccc ccgtcaaacg cggccagtgt cacgcacgcc accacggtgt cggcaaagcc 108960

cagcagccgc tgcaggacga gcccggcggc cagaatggcg cgcgtggccg ccgcgtcgtc 109020

ccggcgccgg tgcgcgtccc cgcacgcccg ggcgtacttt aaggtcacgg tcgccagggc 109080

cgtgtgcagc gcgtacaccg cagcgcccag cacggcgttg agcccgctgt tggcgagcag 109140

ccggcgcgct gcggtgtcgc ccagcgcctc gtgctcggcc cccacgaccg cggggcttcc 109200

caggggcagg gcgcgaaaca gctcctcccg cgccacgtcc gcaaaggcgg ggtggtgcac 109260

gtgcgggtgc aggcgcgccc ccacgaccac cgagagccac tggaccgtct gctccgccat 109320

caccgccagc acatccagca cgcgccccag gaaggcggcc tcccgcgtca aaacgcaccg 109380

gacggcgtcg ggattgaagc gggcgagcag ggccccggtg gccaggtacg tcatgcggcc 109440

ggcatagcgg gcggccacgc gacagtcgcg gtccagcagc gcgcgcaccc cgggccagta 109500

cagcagggac cccagcgagc tgcgaaacac cgcggcgtcg gggccggatt ggggggacac 109560

taaccccccc gcgctcagta acggcacggc cgcggccccg acgggacgca acgccgtgag 109620

gctcgcgaac tgccgcctca gctcggcagc cctgtcgtcc aggtccgacc cgcgcgcctc 109680

tgcgtgaagg cgcgtcccgc acacccaccc gttgatggcc agccgcacga cggcatccgc 109740

caaaaagctc atcgcctggg cggggctggt ttttgttcga cgatccgtca ggtcaagaat 109800

cccatcgccc gtgatatacc aggccaacgc ctcgccctgc tgcagggttt ggcggaaaaa 109860

caccgcgggg ttgtcggggg aggcgaagtg catgaccccc acgcgcgata acccgaacgc 109920

gctatccgga cacgggtaaa acccggccgg atgccccagg gctagggcgg agcgcacgga 109980

ctcgtcccac acggcaacct gaggggccag tcgatccaac gggaatgccg cccggagctc 110040

cgggcccggc acgcgtccct ccagaacctc caccttgggc ggggaacggg ccccgccgcc 110100

gtcctccggc ccgacgtctt ccgggtagtc gtcctcctcg tactgcagct cctctaggaa 110160

cagcggcgac ggcgccaccc gcgaaccgcc gacccgcccc aaaatagccc gcgcgtcgac 110220

gggacccagg tatcccccct gccgggcctg cggaggaccg cggggaacct catcatcatc 110280

gtccaggcga ccgcgcaccg actggctacg ggccgcatcg ggcccggggc gctgccggga 110340

cgctcggcga tgggatgtgg gcggggcttc cgacgcgcgc cgtcgtcggg ctcgcgggcc 110400

ttcccgtcga cggcgcacgg gcggctcgtc gcccgccatc tcctccagag cctctagctc 110460

gctgtcgtca tccccgcgga acaccgcacg caggtacccc atgaacccca ccccatcgcc 110520

cgctggctcg tccgccacgg gcgaggcgcg ggggcgggtg gatgcgcgcc tcctacgccc 110580

cgcgggttcg cgagccgaca tggtggcgat agacgcgggt tatcggatgt ccgctacccc 110640

ccaaaaaaga aaaagacccc acagcgcgga tggaggccgg ggtaggtgcc gccggacccc 110700

ctcgcgatgg gaatggacgg gagcgacggg gccggcgcaa aaaacgcagt atctcccgcg 110760

aaggctaccc gccgccccag ccccccggcca aatgcggaaa cggtcccgcg ctctcgcctt 110820

tatacgcggg ccgccctgcg acacaatcac ccgtccgtgg tttcgaatct acacgacagg 110880

cccgcagacg cggctaacac acacgccggc aacccagacc ccagtgggtt ggttgcgcgg 110940

tcccgtctcc tggctagttc ttttccccac caccaaataa tcagacgaca accgcaggtt 111000

tttgtaatgt atgtgctcgt gtttattgtg gatacgaacc ggggacggga ggggaaaacc 111060

cagacggggg atgcgggtcc ggtcgcgccc cctacccacc gtactcgtca attccaaggg 111120

catcggtaaa catctgctca aactcgaagt cggccatatc cagagcgccg tagggggcgg 111180

agtcgtgggg ggtaaatccc ggacccgggg aatccccgtc ccccaacatg tccagatcga 111240

aatcgtctag cgcgtcggca tgcgccatcg ccacgtcctc gccgtctaag tggagctcgt 111300

cccccaggct gacatcggtc gggggggccg tcgacagtct gcgcgtgtgt cccgcgggga 111360

gaaaggacag gcgcggagcc gccagccccg cctcttcggg ggcgtcgtcg tccgggagat 111420

cgagcaggcc ctcgatggta gacccgtaat tgtttttcgt acgcgcgcgg ctgtacgcgt 111480

gttcccgcat gaccgcctcg gagggcgagg tcgtgaagct ggaatacgag tccaacttcg 111540

cccgaatcaa caccataaag tacccagagg cgcgggcctg gttgccatgc agggtgggag 111600

gggtcgtcaa cggcgccccт ggctcctccg tagccgcgct gcgcaccagc gggaggttaa 111660

ggtgctcgcg aatgtggttt agctcccgca gccggcgggc ctcgattggc actccccgga 111720

cggtgagcgc tccgttgacg aacatgaagg gctggaacag acccgccaac tgacgccagc 111780

tctccaggtc gcaacagagg cagtcaaaca ggtcgggccg catcatctgc tcggcgtacg 111840

cggcccatag gatctcgcgg gtcaaaaata gatacaaatg caaaaacaga acacgcgcca 111900

gacgagcggt ctctcggtag tacctgtccg tgatcgtggc gcgcagcatt tctcccaggt 111960

cgcgatcgcg tccgcgcatg tgcgcctggc ggtgcagctg ccggacgctg gcgcgcaggt 112020

accggtacag ggccgagcag aagttggcca acacggttcg atagctctcc tcccgcgccc 112080

gtagctcggc gtggaagaaa cgagagagcg cttcgtagta gagcccgagg ccgtcgcggg 112140

tggccggaag cgtcgggaag gccacgtcgc cgtgggcgcg aatgtcgatt tgggcgcgtt 112200

cggggacgta cgcgtccccc cattccacca catcgctggg cagcgttgat aggaatttac 112260

actcccggta caggtcggcg ttggtcggta acgccgaaaa caaatcctcg ttccaggtat 112320

cgagcatggt acatagcgcg gggcccgcgc taaagcccaa gtcgtcgagg agacggttaa 112380

agagggcggc gggggggacg ggcatgggcg gggagggcat gagctgggcc tggctcaggc 112440

gccccgttgc gtacagcgga ggggccgccg gggtgttttt gggacccccg gccgggcggg 112500

ggggtggtgg cgaagcgccg tccgcgtcca tgtcggcaaa cagctcgtcg accaagaggt 112560

ccattgggtg gggttgatac gggaaagacg atatcgggct tttgatgcga tcgtccccgc 112620

ccgcccagag agtgtgggac gcccgacggc gcgggaagag aaaaaccccc aaacgcgtta 112680

gaggaccgga cggaccttat ggggggaagt gggcagcggg aaccccgtcc gttcccgagg 112740

aatgacagcc cgtggtcgcc accccgcatt taagcaaccc gcacgggccg ccccgtacct 112800

cgtgacttcc ccccacattg gctcctgtca cgtgaaggcg aaccgagggc ggctgtccaa 112860

cccacccccc gccacccagt cacggtcccc gtcggattgg gaaacaaagg cacgcaacgc 112920

caacaccgaa tgaacccctg ttggtgcttt attgtctggg tacggaagtt tttcactcga 112980

cgggccgtct ggggcgagaa gcggagcggg ctggggctcg aggtcgctcg gtggggcgcg 113040

acgccgcaga acgccctcga gtcgccgtgg ccgcgtcgac gtcctgcacc acgtctggat 113100

tcaccaactc gttggcgcgc tgaagcaggt ttttgccctc gcagaccgtc acgcggatgg 113160

tggtgatgcc aaggagttcg ttgaggtctt cgtctgtgcg cggacgcgac atgtcccaga 113220

gctggaccgc cgccatccgg gcatgcatgg ccgccaggcg cccgaccgcg gcgcagaaga 113280

cgcgcttgtt aaagccggcc acccgggggg tccatggcgc gtcggggttt gggggggcgg 113340

tgctaaagtg cagctttctg gccagcccct gcgcgggtgt cttggatcgg gttggcgccg 113400

tcgacgcggg ggcgtctggg agtgcggcgg attctggctg ggccgatttc ctgccgcggg 113460

tggtctccgc cgccggggcc gcgggggcct tagtcgccac ccgctgggtt cgggggcccc 113520

gggggcggt ggtgggtgtg cgtccggccc ctccggaccc agcgggcggc ggaggcgccc 113580

gcgcaggccc cgggccggac aaaaccgccc cggaaacggg acgccgcgtc cgggggacct 113640

ccgggtgttc gtcgtcttcg gatgacgagc ccccgtagag ggcataatcc gactcgtcgt 113700

actggacgaa acggacctcg cccctcgggc gcgcgcgtgt ctgtagggcg ccacggcggg 113760

aggtggcagg cggactatcg ggactcgcca tacatgaaga cggggtgtag tacagatcct 113820

cgtactcatc gcgcggaacc tcccgcggac ccgacttcac ggagcggcga gaggtcatgg 113880

ttccacgaac acgctagggt cggatgcgcg gacaattagg cctgggttcg gacggcgggg 113940

ggtggtgcag gtgtggagag gtcgagcgat aggggcggcc cgggagagaa gagagggtcc 114000

gcaaaaccca ctggggatgc gtgagtggcc ctctgtgggc ggtgggggag agtcttatag 114060

gaagtgcata taaccacaac ccatgggtct aaccaatccc caggggccaa gaaacagaca 114120

cgccccaaac ggtctcggtt tccgcgaaga aggggaagtc ctgggacacc ctccaccccc 114180

acccctcacc ccacacaggg cgggttcagg cgtgcccggc agccagtagc ctctggcaga 114240

tctgacagac gtgtgcgata atacacacgc ccatcgaggc catgcctaca taaaagggca 114300

ccagggcccc cggggcagac atttggccag cgttttgggt ctcgcaccgc gcgcccccga 114360

tcccatcgcg cccgccctcc tcgccgggcg gctccccgtg cgggcccgcg tctcccgccg 114420

ctaaggcgac gagcaagaca aacaacaggc ccgcccgaca gacccttctg gggggggccca 114480

tcgtccctaa caggaagatg agtcagtggg gatccggggc gatccttgtc cagccggaca 114540

gcttgggtcg ggggtacgat ggcgactggc acacggccgt cgctactcgc gggggcggag 114600

tcgtgcaact gaacctggtc aacaggcgcg cggtggcttt tatgccgaag gtcagcgggg 114660

actccggatg ggccgtcggg cgcgtctctc tggacctgcg aatggctatg ccggctgact 114720

tttgtgcgat tattcacgcc cccgcgctat ccagcccagg gcaccacgta atactgggtc 114780

ttatcgactc ggggtaccgc ggaaccgtta tggccgtggt cgtagcgcct aaaaggacgc 114840

gggaatttgc ccccgggacc ctgcgggtcg acgtgacgtt cctggacatc ctggcgcccc 114900

ccccggccct caccaagccg atttccctgc ggcagttccc gcaactggcg ccccccccctc 114960

caaccggggc cgggatacgc gcagatcctt ggttggaggg ggcgctcggg gacccaagcg 115020

tgactccggc cctaccggcg cgacgccgag ggcggtccct cgtctatgcc ggcgagctga 115080

cgccggttca gacggaacac ggggacggcg tacgagaagc catcgccttc cttccaaaac 115140

gcgaggagga tgccggtttc gacattgtcg tccgtcgccc ggtcaccgtc ccggcaaacg 115200

gcaccacggt cgtgcagcca tccctccgca tgctccacgc ggacgccggg cccgcggcct 115260

gttatgtgtt ggggcggtcg tcgctcaacg cccgcggcct cctggtcgtt cctacgcgct 115320

ggctccccgg gcacgtatgt gcgtttgttg tttacaacct tacgggggtt cctgtgaccc 115380

tcgaggccgg cgccaaggtc gcccagctcc tggttgcggg ggcggacgct cttccttgga 115440

tccccccgga caactttcac gggaccaaag cgcttcgaaa ctaccccagg ggtgttccgg 115500

actcaaccgc cgaacccagg aacccgccgc tcttggtgtt tacgaacgag tttgacgcgg 115560

aggccccccc gagcgagcgc gggaccgggg gttttggctc taccggtatt tagcccatag 115620

cttggggttc gttccgggca ataaaaaacg tttgtatctc atctttcctg tgtgtagttg 115680

tttctgttgg aggcctgtgg gtctatcaca cccgcccctc catcccacaa acacagaaca 115740

cacgggttgg atgaaaacac gcatttattg acccaaaaca cacggagctg ctcgagatgg 115800

gccagggcga ggtgcggttg gggaggctgt aggtctggga acggacacgc ggggacacga 115860

ttccggtttg gggtccggga gggcgtcgcc gtttcgggcg gcaggcgcca gcgtaacctc 115920

cgggggcggc gtgtgggggt gccccaagga gggcgcctcg gtcaccccaa gccccccccaa 115980

gcgggttccc ccggcaaccc cgaaggcgga gaggccaagg gcccgttcgg cgatggccac 116040

atcctccatg accacgtcgc tctcggccat gctccgaata gcctgggaga cgagcacatc 116100

cgcggacttg tcagccgccc ccacggacat gtacatctgc aggatggtgg ccatacacgt 116160

gtccgccagg cgccgcatct tgtcctgatg ggccgccacg gccccgtcga tcgtgggggc 116220

ctcgagcccg gggtggtggc gcgccagtcg ttctaggttc accatgcagg cgtggtacgt 116280

gcgggccaag gcgcgggcct tcacgaggcg tcgggtgtcg tccagggacc ccagggcgtc 116340

atcgagcgtg atgggggcgg gaagtagcgc gttaacgacc accagggcct cctgcagccg 116400

cggctccgcc tccgagggcg gaacggccgc gcggatcatc tcatattgtt cctcggggcg 116460

cgctccccag ccacatatag ccccgagaag agaagccatc gcgggcgggt actggccctt 116520

gggcgcgcgg acgcaatggg gcaggaagac gggaaccgcg gggagaggcg ggcggccggg 116580

actcccgtgg aggtgaccgc gctttatgct accgacgggt gcgttattac ctcttcgatc 116640

gccctcctca caaactctct actgggggcc gagccggttt atatattcag ctacgacgca 116700

tacacgcacg atggccgtgc cgacgggccc acggagcaag acaggttcga agagagtcgg 116760

gcgctctacc aagcgtcggg cgggctaaat ggcgactcct tccgagtaac cttttgttta 116820

ttggggacgg aagtgggtgg gacccaccag gcccgcgggc gaacccgacc catgttcgtc 116880

tgtcgcttcg agcgagcgga cgacgtcgcc gcgctacagg acgccctggc gcacgggacc 116940

ccgctacaac cggaccacat cgccgccacc ctggacgcgg aggccacgtt cgcgctgcat 117000

gcgaacatga tcctggctct caccgtggcc atcaacaacg ccagcccccg caccggacgc 117060

gacgccgccg cggcgcagta tgatcagggc gcgtccctac gctcgctcgt ggggcgcacg 117120

tccctgggac aacgcggcct taccacgcta tacgtccacc acgaggcgcg cgtgctggcc 117180

gcgtaccgca gggcgtatta tggaagcgcg cagagtccct tctggtttct tagcaaattc 117240

gggccggacg aaaaaagcct ggtgctcacc actcggtact acctgcttca ggcccagcgt 117300

ctgggggcg cgggggccac gtacgacctg caggccatca aggacatctg cgccacctac 117360

gcgattcccc acgcccccg ccccgacacc gtcagcgccg cgtccctgac ctcgtttgcc 117420

gccatcacgc ggttctgttg cacgagccag tacgcccgcg gggccgcggc ggccgggttt 117480

ccgctttacg tggagcgccg tattgcggcc gacgtccgcg agaccagtgc gctggagaag 117540

ttcataaccc acgatcgcag ttgcctgcgc gtgtccgacc gtgaattcat tacgtacatt 117600

tacctggccc attttgagtg tttcagcccc ccgcgcctag ccacgcatct tcgggccgtg 117660

acgacccacg accccaaccc cgcggccaac acggagcagc cctcgcccct gggcagggag 117720

gccgtggaac aatttttttg ccacgtgcgc gcccaactga atatcgggga gtacgtcaaa 117780

cacaacgtga ccccccggga gaccgtcctg gatggcgata cggccaaggc ctacctgcgc 117840

gctcgcacgt acgcgcccgg ggccctgacg cccgcccccg cgtattgcgg ggccgtggac 117900

tccgccacca aaatgatggg gcgtttggcg gacgccgaaa agctcctggt cccccgcggg 117960

tggcccgcgt ttgcgcccgc cagtcccggg gaggatacgg cgggcggcac gccgccccca 118020

cagacctgcg gaatcgtcaa gcgcctcctg agactggccg ccacggaaca acaggacacc 118080

acgcccccgg cgatcgcggc gcttatccgt aatgcggcgg tgcagactcc cctgcccgtc 118140

taccggatat ccatggtccc cacgggacag gcatttgccg cgctggcctg ggacgactgg 118200

gcccgcataa cgcgggacgc tcgcctggcc gaagcggtcg tgtccgccga agcggcggcg 118260

caccccgacc acggcgcgct gggcaggcgg ctcacggatc gcatccgcgc ccagggcccc 118320

gtgatgcccc ctggcggcct ggatgccggg gggcagatgt acgtgaatcg caacgagata 118380

ttcaacggcg cgctggcaat cacaaacatc atcctggatc tcgacatcgc cctgaaggag 118440

cccgtcccct ttcgccggct ccacgaggcc ctgggccact ttaggcgcgg ggctctggct 118500

gcggttcagc tcctgtttcc cgcggcccgc gtggaccccg acgcatatcc ctgttatttt 118560

ttcaaaagcg catgtcggcc cggcccggcg tccgtgggtt ccggcagcgg actcggcgac 118620

gacggggact ggtttccctg ctacgacgac gccggtgatg aggagtgggc ggaggacccg 118680

ggcgccatgg acacatccca cgatcccccg gacgacgagg ttgcctactt tgacctgtgc 118740

cacgaagtcg gccccacggc ggaacctcgc gaaacggatt cgcccgtgtg ttcctgcacc 118800

gacaagatcg gactgcgggt gtgcatgccc gtccccgccc cgtacgtcgt ccacggttct 118860

ctaacgatgc ggggggtggc acgggtcatc cagcaggcgg tgctgttgga ccgagatttt 118920

gtggaggcca tcgggagcta cgtaaaaaac ttcctgttga tcgatacggg ggtgtacgcc 118980

cacggccaca gcctgcgctt gccgtatttt gccaaaatcg cccccgacgg gcctgcgtgc 119040

ggaaggctgc tgccagtgtt tgtgatcccc cccgcctgca aagacgttcc ggcgtttgtc 119100

gccgcgcacg ccgacccgcg gcgcttccat tttcacgccc cgcccaccta tctcgcttcc 119160

ccccgggaga tccgtgtcct gcacagcctg ggtggggact atgtgagctt ctttgaaagg 119220

aaggcgtccc gcaacgcgct ggaacacttt gggcgacgcg agaccctgac ggaggtcctg 119280

ggtcggtaca acgtacagcc ggatgcgggg gggaccgtcg aggggttcgc atcggaactg 119340

ctggggcgga tagtcgcgtg catcgaaacc cactttcccg aacacgccgg cgaatatcag 119400

gccgtatccg tccggcgggc cgtcagtaag gacgactggg tcctcctaca gctagtcccc 119460

gttcgcggta ccctgcagca aagcctgtcg tgtctgcgct ttaagcacgg ccgggcgagt 119520

cgcgccacgg cgcggacatt cgtcgcgctg agcgtcgggg ccaacaaccg cctgtgcgtg 119580

tccttgtgtc agcagtgctt tgccgccaaa tgcgacagca accgcctgca cacgctgttt 119640

accattgacg ccggtacgcc atgctcgccg tccgttccct gcagcacctc tcaaccgtcg 119700

tcttgataac ggcgtacggc ctcgtgctcg tgtggtacac cgtcttcggt gccagtccgc 119760

tgcaccgatg tatttacgcg gtacgcccca ccggcaccaa caacgacacc gccctcgtgt 119820

ggatgaaaat gaaccagacc ctattgtttc tgggggcccc gacgcacccc cccaacgggg 119880

gctggcgcaa ccacgcccat atctgctacg ccaatcttat cgcgggtagg gtcgtgccct 119940

tccaggtccc acccgacgcc atgaatcgtc ggatcatgaa cgtccacgag gcagttaact 120000

gtctggagac cctatggtac acacgggtgc gtctggtggt cgtagggtgg ttcctgtatc 120060

tggcgttcgt cgccctccac caacgccgat gtatgtttgg tgtcgtgagt cccgcccaca 120120

agatggtggc cccggccacc tacctcttga actacgcagg ccgcatcgta tcgagcgtgt 120180

tcctgcagta cccctacacg aaaattaccc gcctgctctg cgagctgtcg gtccagcggc 120240

aaaacctggt tcagttgttt gagacggacc cggtcacctt cttgtaccac cgccccgcca 120300

tcggggtcat cgtaggctgc gagttgatgc tacgctttgt ggccgtgggt ctcatcgtcg 120360

gcaccgcttt catatcccgg ggggcatgtg caatcacata ccccctgttt ctgaccatca 120420

ccacctggtg ttttgtctcc accatcggcc tgacagagct gtattgtatt ctgcggcggg 120480

gcccggcccc caagaacgca gacaaggccg ccgccccggg gcgatccaag gggctgtcgg 120540

gcgtctgcgg gcgctgctgt tccatcatcc tctcgggcat cgcagtgcga ttgtgttata 120600

tcgccgtggt ggccggggtg gtgctcgtgg cgcttcacta cgagcaggag atccagaggc 120660

gcctgtttga tgtatgacgt cacatccagg ccggcggaaa ccggaacggc atatgcaaat 120720

tggaaactgt cctgtcttgg ggcccaccca cccgacgcgt catatgcaaa tgaaaatcgg 120780

tcccccgagg ccacgtgtag cctggatccc aacgaccccg cccatgggtc ccaattggcc 120840

gtcccgttac caagaccaac ccagccagca tatccacccc cgcccgggtc cccgcggaag 120900

cggaacggtg tatgtgatat gctaattaaa tacatgccac gtacttatgg tgtctgattg 120960

gtccttgtct gtgccggagg tggggcgggg gccccgcccg gggggcggaa cgaggagggg 121020

tttgggagag ccggccccgg caccacgggt ataaggacat ccaccacccg gccggtggtg 121080

gtgtgcagcc gtgttccaac cacggtcacg cttcggtgcc tctccccgat tcgggcccgg 121140

tcgctcgcta ccggtgcgcc accaccagag gccatatccg acaccccagc cccgacggca 121200

gccgacagcc cggtcatggc gactgacatt gatatgctaa ttgacctcgg cctggacctc 121260

tccgacagcg atctggacga ggacccaccc gagccggcgg agagccgccg cgacgacctg 121320

gaatcggaca gcagcgggga gtgttcctcg tcggacgagg acatggaaga cccccacgga 121380

gaggacggac cggagccgat actcgacgcc gctcgcccgg cggtccgccc gtctcgtcca 121440

gaagaccccg gcgtacccag cacccagacg cctcgtccga cggagcggca gggccccaac 121500

gatcctcaac cagcgcccca cagtgtgtgg tcgcgcctcg gggcccggcg accgtcttgc 121560

tcccccgagc agcacggggg caaggtggcc cgcctccaac ccccaccgac caaagcccag 121620

cctgcccgcg gcggacgccg cgggcgtcgc aggggtcggg gtcgcggtgg tcccggggcc 121680

gccgatggtt tgtcggaccc ccgccggcgt gcccccagaa ccaatcgcaa cccgggggga 121740

ccccgccccg gggcggggtg gacggacggc cccggcgccc cccatggcga ggcgtggcgc 121800

ggaagtgagc agcccgaccc acccggaggc ccgcggacac ggggcgtgcg ccaagcaccc 121860

cccccgctaa tgacgctggc gattgccccc ccgcccgcgg acccccgcgc cccggccccg 121920

gagcgaaagg cgcccgccgc cgacaccatc gacgccacca cgcggttggt cctgcgctcc 121980

atctccgagc gcgcggcggt cgaccgcatc agcgagagct ttggccgcag cgcacaggtc 122040

atgcacgacc cctttggggg gcagccgttt cccgccgcga atagcccctg ggccccggtg 122100

ttggcgggcc aaggagggcc ctttgacgcc gagaccagac gggtctcctg ggaaaccttg 122160

gtcgcccacg gcccgagcct ctatcgcact tttgccggca atcctcgggc cgcatcgacc 122220

gccaaggcca tgcgcgactg cgtgctgcgc caagaaaatt tcatcgaggc gctggcctcc 122280

gccgacgaga cgctggcgtg gtgcaagatg tgcatccacc acaacctgcc gctgcgcccc 122340

caggacccca ttatcgggac ggccgcggct gtgctggata acctcgccac gcgcctgcgg 122400

ccctttctcc agtgctacct gaaggcgcga ggcctgtgcg gcctggacga actgtgttcg 122460

cggcggcgtc tggcggacat taaggacatt gcatccttcg tgtttgtcat tctggccagg 122520

ctcgccaacc gcgtcgagcg tggcgtcgcg gagatcgact acgcgaccct tggtgtcggg 122580

gtcggagaga agatgcattt ctacctcccc ggggcctgca tggcgggcct gatcgaaatc 122640

ctagacacac accgccagga gtgttcgagt cgtgtctgcg agttgacggc cagtcacatc 122700

gtcgcccccc cgtacgtgca cggcaaatat ttttattgca actccctgtt ttaggtacaa 122760

taaaaacaaa acatttcaaa caaatcgccc cacgtgttgt ccttctttgc tcatggccgg 122820

cggggcgtgg gtcacggcag atggcggggg tgggcccggc gtacggcctg ggtgggcgga 122880

gggaactaac ccaacgtata aatccgtccc cgctccaagg ccggtgtcat agtgccctta 122940

ggagcttccc gcccgggcgc atccccccтt ttgcactatg acagcgaccc ccctcaccaa 123000

cctgttctta cgggccccgg acataaccca cgtggccccc ccttactgcc tcaacgccac 123060

ctggcaggcc gaaacggcca tgcacaccag caaaacggac tccgcttgcg tggccgtgcg 123120

gagttacctg gtccgcgcct cctgtgagac cagcggcaca atccactgct ttttctttgc 123180

ggtatacaag gacacccacc acacccctcc gctgattacc gagctccgca actttgcgga 123240

cctggttaac cacccgccgg tcctacgcga actggaggat aagcgcgggg tgcggctgcg 123300

gtgtgcgcgg ccgtttagcg tcgggacgat taaggacgtc tctgggtccg gcgcgtcctc 123360

ggcgggagag tacacgataa acgggatcgt gtaccactgc cactgtcggt atccgttctc 123420

aaaaacatgc tggatggggg cctccgcggc cctacagcac ctgcgctcca tcagctccag 123480

cggcatggcc gcccgcgcgg cagagcatcg acgcgtcaag attaaaatta aggcgtgatc 123540

tccaaccccc ccatgaatgt gtgtaacccc ccaaaaaaat aaacagccgt aacccaatca 123600

aaccaggcgt ggtgtgagtt tgtggaccca aagccctcag agacaacgcg acaggccagt 123660

atggaccgtg atacttttat ttattaactc acaggggcgc ttaccgccac aggaatacca 123720

gaataatgac caccactatc gcgaccaccc caaatacagc atggcgcccc accacgccac 123780

aacagccctg tcgccggtat ggggcatgat cagacgagcc gcgagccgcg cgttgggccc 123840

tgtacagctc gcgcgaattg accctaggag gccgccacgc gcccgagttt tgcgttcgtc 123900

gctggtcgtc gggcgccaaa gccccggacg gctgttcggt cgaacgaacg gccacgacag 123960

tggcataggt tgggggtgg tccgacatag cctcggcgta cgtcgggagg cccgacaaga 124020

ggtcccttga gatgtcgggt ggggccacaa gcctggtttc cggaagaaac agggggttg 124080

ccaataaccc gccagggcca aaactccggc gctgcgcacg tcgttcggcg cggcgccggg 124140

cgcgccgagc ggctcgctgg gcggcttggc gtgagcggcc ccgctccgac gcctcgccct 124200

ctccggagga ggttggcgga attggcacgg acgacagggg cccagcagag tacggtggag 124260

gtgggtccgt gggggtgtcc agatcaataa cgacaaacgg cccctcgttc ctaccagaca 124320

agctatcgta gggggggcggg ggatcagcaa acgcgttccc cgcgctccat agacccgcgt 124380

cgggttgcgc cgcctccgaa gccatggatg cgccccaaag ccacgactcc cgcgcgctag 124440

gtccttgggg taagggaaaa ggccctactc cccatccaag ccagccaagt taacgggcta 124500

cgccttcggg gatgggactg gcaccccggc ggattttgtt gggctggtac gcgttgccca 124560

accgagggcc gcgtccacgg gacgcgcctt ttataacccc gggggtcatt cccaacgatc 124620

acatgcaatc taactggctc ccctctcccc ccctctcccc tctcccccc tctcccctct 124680

ccccccctct cccctctccc cccctctccc ctctcccccc ctctcccctc tccccccctc 124740

tcccctctcc ccccctctcc cctctccccc cctctcccct ctcccccct ctcccctctc 124800

ccccccctct ccctctcccc ccctgctctt tccccgtgac acccgacgct gggggcgtg 124860

gctgccggga ggggccgcgg atgggcgggg cctactcggt ctcccgcccc cgcccccgaa 124920

ccgccccgcc ggccttgccc ccctttgatc ccctgctacc cccaacccgt gctcgtggtg 124980

cgggttgggt gggggggggg agtgtgggcg ggggtgtgcg ggaggtgtcg gtggtggtgg 125040

tggtggtagg aatggtggtg agggggggg gcgctggttg gtcaaaaaag ggagggacgg 125100

gggccggcag accgacggcg acaacgctcc ccggcggccg ggtcgcggct cttacgagcg 125160

gcccggcccg cgctcccacc ccccgggccg tgtccttgct ttccccccgt ctcccccccc 125220

ctccttctcc tcctcctcct cctcgttttt ccaaaccccg cccacccggc ccggcccggc 125280

ccggccaccg ccgcccaccc acccacctcg ggagacccag ccccggtccc ccgttccccg 125340

ggggccgtta tctccagcgc cccgtccggc gcgccgcccc ccgccgctaa accccatccc 125400

gcccccggga ccccacatat aagcccccag ccacacgcaa gaacagacac gcagaacggc 125460

tgtgtttatt taaataaacc gatgtcggaa taaacaaaca caaacacccg cgacgggggg 125520

acggagggag gggggtgacg ggggacggga acagccacaa aaaacaccca caaaaaaaaa 125580

cagccacccc cgacaccccc ccccaccccc agtctcttcg ccttttcccc cccaccccac 125640

gcccccactg agcccggtcg atcgacgagc acccccgccc ccgcccctgc cccggcgacc 125700

cccggcccgc acgatcccga caacaataac aaccccaacg gaaagcggcg gggtgtgggg 125760

gggggcgagg aacaaccgag gggaacgggg gatggaagga cgggaagtgg aagtcctgat 125820

acccatccta cacccccctg ccttccaccc tccggccccc cgcgagtcca cccgccggcc 125880

ggctaccgag accgaacacg gcggccgccg cagccgccgc agccgccgcc gacaccgcag 125940

agccggcgcg cgcacacaca agcggcagag gcagaaaggc ccagagtcat tgtttatgtg 126000

gccgcgggcc agcagacggc ccgcgacacc ccccccccg cccgtgtggg tatccggccc 126060

cccgccccgc gccggtccat taagggcgcg cgtgcccgcg agatatcaat ccgttaagtg 126120

ctctgcagac aggggcaccg cgcccggaaa tccattaggc cgcagacgag gaaaataaaa 126180

ttacatcacc tacccacgtg gtgctgtggc ctgtttttgc tgcgtcatct gagcctttat 126240

aaaagcgggg gcgcggccgt gccgatcgcg ggtggtgcga aagactttcc gggcgcgtcc 126300

gggtgccgcg gctctccggg ccccccctgca gccggggcgg ccaaggggcg tcggcgacat 126360

cctcccccta agcgccggcc ggccgctggt ctgtttttg ttttccccgt ttcgggggtg 126420

ggggggttg cggtttctgt ttctttaacc cgtctggggt gtttttcgtt ccgtcgccgg 126480

aatgtttcgt tcgtctgtcc cctcacgggg cgaaggccgc gtacggcccg ggacgagggg 126540

gcccccgacc gcggcggtcc gggccccgtc cgggcccgct cgccggcacg cgacgcgaaa 126600

aaggcccccc ggaggctttt ccgggttccc ggcccggggc ctgagataaa caatcggggt 126660

taccgccaac ggccggcccc cgtggcggcc cggcccgggg ccccggcgga cccaaggggc 126720

cccggcccgg ggccccacaa cggcccggcg catgcgctgt ggtttttttt tctcggtgtt 126780

ttgtcgggct ccgtcgcctt tcctgttctc gcttctcccc ccccccccctt cttcaccccc 126840

agtaccctcc tccctccctt cctcccccgt tatcccactc gtcaagggcg ccccggtgtg 126900

gttcaacaaa gacgccgcgt ttccaggtag gttagacacc tgcttctccc caatagaggg 126960

gggggaccca aacgacaggg ggcgccccag aggctaaggt cggccacgcc actcgcgggt 127020

gggctcgtgt tacagcacac cagcccgttc ttttcccccc ctcccaccct tagtcagact 127080

ctgttactta cccgtccgac caccaactgc ccccttatct aagggccggc tggaagaccg 127140

ccaggggtc ggccggtgtc gctgtaaccc cccacgccaa tgacccacgt actccaagaa 127200

ggcatgtgtc ccaccccgcc tgtgtttttg tgcctggctc tctatgcttg ggtcttactg 127260

ccgggggggg gggagtgcgg gggaggggg gtgtggaagg aaatgcacgg cgcgtgtgta 127320

ccccccctaa agttgttcct aaagcgagga tatggaggag tggcgggtgc cgggggaccg 127380

gggtgatctc tggcacgcgg gggtgggaag ggtcgggggа ggggggatgg ggtaccggcc 127440

cacctggccg acgcgggtgc gcgtgcctct gcacaccaac cccacgtccc ccggcggtct 127500

ctaagaagca ccgccccccc tccttcatac caccgagcat gcctgggtgt gggttggtaa 127560

ccaacacgcc catcccctcg tctcctgtga ttctctggct gcaccgcatt cttgttttct 127620

aactatgttc ctgtttctgt ctccccccc acccctccgc cccacccccc aacacccacg 127680

tctgtggtgt ggccgacccc cttttgggcg ccccgtcccg ccccgccacc cctcccgtcc 127740

tttgttgccc tatagtgtag ttaacccccc cccgcccttt gtggcggcca gaggccaggt 127800

cagtccgggc gggcaggcgc tcgcggaaac ttaacaccca cacccaaccc actgtggttc 127860

tggctccatg ccagtggcag gatgctttcg gggatcggtg gtcaggcagc ccgggccgcg 127920

gctctgtggt taacaccaga gcctgcccaa catggcaccc ccactcccac gcacccccac 127980

tcccacgcac ccccactccc acgcaccccc actcccacgc acccccactc ccacgcaccc 128040

ccactcccac gcacccccac tcccacgcac ccccactccc acgcaccccc actcccacgc 128100

acccccgaga tccatccaac acagacaggg aaaagataca aaagtaaacc tttatttccc 128160

aatagacagc aaaaatcccc tgagtttttt attagggcca acactaaaga cccgctggtg 128220

tgtggtgccc gtgtctttca cttttccccc ccccgacacg gattggctgg tgtagtgggc 128280

gcggccagag accacccagc gcccgacccc cccctcccca caaacacggg gggcgtccct 128340

tattgttttc cctcgtcccg ggtcgacgcc ccctgctccc cggaccacgg gtgccgagac 128400

cgcaggctgc ggaagtccag ggcgcccact agggtgccct ggtcgaacag catgttcccc 128460

acgggggtca tccagaggct gttccactcc gacgcggggg ccgtcgggta ctcgggggggc 128520

atcacgtggt tacccgcggt ctcggggagc agggtgcggc ggctccagcc ggggaccgcg 128580

gcccgcagcc gggtcgccat gtttcccgtc tggtccacca ggaccacgta cgccccgatg 128640

ttccccgtct ccatgtccag gatgggcagg cagtcccccg tgatcgtctt gttcacgtaa 128700

ggcgacaggg cgaccacgct agagaccccc gagatgggca ggtagcgcgt gaggccgccc 128760

gcgggggcgg ccccggaagt ctccgcgtgg cgcgtcttcc gggcacactt cctcggcccc 128820

cgcggcccag aagcagcgcg ggggccgagg gaggtttcct cttgtctccc tcccagggca 128880

ccgacggccc cgcccgagga ggcggaagcg gaggaggacg cggccccggc ggcggaagag 128940

gcggcccccg cgggagtcgg ggccgaggag gaagaggcag aggaggaaga ggcggaggcc 129000

gccgaggacg tcaggggggt cccgggccca ccctggccgc gccccccggg ccctgagtcg 129060

gagggggggt gcgtcgccgc cctcttggcc cctgccggcg cgagggggggg acgcgtggac 129120

tgggggggagg ggttttcctg gcccgacccg cgcctcttcc tcggacgcac cgccgcctcc 129180

tgctcgacag aggcggcgga ggggagcggg ggggcgccgg agggggcggc gccgcgggag 129240

ggcccgtgtc caccctccac gcccggcccc cccgagccgc gcgccaccgt cgcacgcgcc 129300

cggcacagac tctgttcttg gttcgcggcc tgagccaggg acgagtgcga ctggggcaca 129360

cggcgcgcgt ccgcgggggc cggggcgcgg gggccgggcc ccggaggcgg cgctcgcacg 129420

cacggggcca cggccgcgcg ggggcgcgcg ggtcccgacg cggccgagga cgcggtgggc 129480

ccggggcggg gggcggagcc tggcatgggc gccgcggggg gcctgtgggg agaggccggg 129540

ggggagtcgc tgatcactat ggggtctctg ttgtttgcaa gggggggcggg tctgttgaca 129600

agggggcccg tccggcccct cggccgcccc gcctccgctt caacaacccc aaccccaacc 129660

ccaacccccc cggaggggcc agacgccccc cgcggcgccg cggctcgcga ctggcgggag 129720

ccgccgccgc cgccgctgct gttggtggtg gtgttggtgt tactgctgcc gtgtggcccg 129780

atgggcgccg agggggggcgc tgtccgagcc gcggccggct gggggggctgc gtgagacgcc 129840

ccgcccgtca cgggggggcgc ggcggcgcct ctgcgtgggg gggcgcgggg cgtccggcgg 129900

ggggcgggcg gtacgtagtc tgctgcaaga gacaacgggg ggcgcgatca ggttacgccc 129960

cctcccaggc cctccctttc cgcgcccgcc ctttcctcgc ccccccgccc gcctattcct 130020

ccctcccccc tcctcctcct cctcccccag ggtcctcgcc gcccccccgc ctcaccgtcg 130080

tccaggtcgt cgtcatcctc gtccgtggtg ggctcagggt gggtgggcga cagggccctc 130140

accgtgtgcc cccccagggt caggtaccgc ggggcgaacc gctgattgcc cgtccagata 130200

aagtccacgg ccgtgcccgc cctgacggcc tcctcggcct ccatgcgggt ctgggggtcg 130260

ttcacgatcg ggatggtgct gaacgacccg ctgggcgtca cgcccactat caggtacacc 130320

agcttggcgt tgcacagcgg gcaggtgttg cgcaattgca tccaggtttt catgcacggg 130380

atgcagaagc ggtgcatgca cgggaaggtg tcgcagcgca ggtggggcgc gatctcatcc 130440

gtgcacacgg cgcacacgtc gccctcgtcg ctccccccgt cctctcgagg gggggcgccc 130500

ccgcaactgc cggggtcttc ctcgcggggg gggctccccc ccgagaccgc ccccccatcc 130560

acgccctgcg gccccagcag ccccgtctcg aacagttccg tgtccgtgct gtccgcctcg 130620

gaggcggagt cgtcgtcatg gtggtcggcg tccccccgcc cccccacttc ggtctccgcc 130680

tcagagtcgc tgctgtccgg caggtctcgg tcgcagggaa acacccagac atccggggcg 130740

ggctaagggg aaaaaaaggg gggcgggtaa gaatgggggg atttcccgcg tcaatcagcg 130800

cccacgagtt ccccctctcc ccccccccgc ctcacaaagt cctgcccccc tgctggcctc 130860

ggaagagggg ggagaaaggg gtctgcaacc aaaggtggtc tgggtccgtc ctttggatcc 130920

cgacccctct tcttccctct tctcccgccc tccagacgca ccggagtcgg gggtcccacg 130980

gcgtccccca aatatggcgg gcggctcctc cccacccccc tagatgcgtg tgagtaaggg 131040

ggccctgcgt atgagtcagt ggggaccacg ccccctaaca cggcgacccc ggtccctgtg 131100

tgtttgttgt gggggcgtgt ctctgtgtat gagtcagggg gtcccacggc gaccccgggc 131160

cctgcgtctg agtcaaaggg gccatgtgta tgtgttgggg ggtctgtata tataaagtca 131220

gggggtcaca tggcgacccc caacagggcg accccggtcc ctgtatatat agggtcaggg 131280

ggttccgcgc cccctaacat ggcgcccccg gtccctgtat atatagtgtc acggggttcc 131340

acgcccccta acatggcgcc cggctcccgt gtatgagtgg gggtccccca acatggcggc 131400

cggttccagt gtaagggtcg ggggtccccc aacatggcgc cccccaatat ggcgcccccc 131460

aatatggcgc cccagacatg gcgcccggcc cctcacctcg cgctgggggc ggccctcagg 131520

ccggcgggta ctcgctccgg ggcggggctc catgggggtc gtatgcggtt ggagggtcgc 131580

ggacggaggg tccctggggg tcgcaacgta ggcggggctt ctgtggtgat gcggagaggg 131640

ggcggcccga gtctgcctgg ctgctgcgtc tcgctccgag tgccgaggtg caaatgcgac 131700

cagactgtcg ggccagggct aacttatacc ccacgccttt cccctcccca aaggggcggc 131760

agtgacgatt cccccaatgg ccgcgcgtcc caggggaggc aggcccaccg cggggcggcc 131820

ccgtccccgg ggaccaaccc ggcgccccca aagaatatca ttagcatgca cggcccggcc 131880

cccgatttgg gggaccaacc cggtgtcccc caaagaaccc cattagcatg cccctcccac 131940

cgacgcaaca ggggcttggc ctgcgtcggt gccccggggc ttcccgcctt cccgaagaaa 132000

ctcattacca tacccggaac cccaggggac caatgcgggt tcattgagcg acccgcgggc 132060

caatgcgcga ggggccgtgt gttccgccaa aaaagcaatt agcataaccc ggaaccccag 132120

gggagtggtt acgcgcggcg cgggaggcgg ggaataccgg ggttgcccat taagggccgc 132180

gggaattgcc ggaagcggga agggcggccg gggccgccca ttaatgagtt tctaattacc 132240

ataccgggaa gcggaacaag gcctcttgca agtttttaat taccataccg ggaagtgggc 132300

ggcccggccc attgggcggt aactcccgcc caatgggccg ggccccgaag actcggcgga 132360

cgctggttgg ccgggccccg ccgcgctggc ggccgccgat tggccagtcc cgcccccgag 132420

gcggcccgcc ctgtgagggc gggctggctc caagcgtata tatgcgcggc tcctgccatc 132480

gtctctccgg atctagagat ctccggaatt aattcgccct atagtgagtc ggaattagga 132540

gcaatacccc cgatccagcg tccaacaaga accgccaccg ccagagccac ctccacctga 132600

cccgccgcct cctagatctt cttctgagat gagtttttgt tctgaattcc cgataggaat 132660

ccccactgtg ttgacctggt ccttgagtcc cagcaggctg taggcaatac gcttctggtg 132720

gccaggaaga cgcactccga tccttttgat gtcttcgttg gacatctgta ccaccttctc 132780

gatggccgtg tagccagcca ccatgaagtg ttccgtgtac tgttgcatct tgatgctctc 132840

cagccactcg gacaccgtac ggaaggggac tccctccgag ccgctggtgc tgggcagccg 132900

gatggacact cggggatcaa agtcagccag cgtcttgagg gagtcggggg ctcggatgag 132960

cttgtccagg atgctaacga tgtcggcaaa cttgggtcgg cgggagcgct cttgctgcca 133020

gcactgcatc atgagctggt aaatggctga agggcagtcc atgggcgtag ggagccggaa 133080

gccgtcgttg atggctttca tgacctcgtg gtttgacagt tcccagtagg gccgttcgcc 133140

ataagtcatc acttcccaca tgacaatgcc gtagctccac acatcgctgg ctgaggtgaa 133200

cttgcggtag gaaatggcct ctggggctgt ccatcgaata gggatcttgc cgccacttgt 133260

ggtgtaggtg gcctcggggt catcttccag cacacgcgac aggccaaaat cggacacctt 133320

gcacaccagg ttgctgttga cgaggatgtt gcgggcggcc aggtcccggt gcacgtagtt 133380

catgttggcc aggtacttca tgccggatgc gataccctc agcatgccca ccaactgaag 133440

tacactgaac tcaccatcct tctccctaag gaacttgtct agcgctccat tctccatgta 133500

ctctgtgata atcatcatgg gtttgtattt agagaccacg ccctccaggc ggatgatatt 133560

gtggtggcta aactggccca tgatgctggc ctcgctcagg aagtccaccc gctgcttctc 133620

agtgtagccc gctttcagtg tcttgatggc caccggtatc tccttcttcc ccgaggatgc 133680

cttcagcgtc cctttataga cctctccaaa ctctcctgct ccaatgacct tctgccttgc 133740

cacacaggat gggtggatct cggtggtaaa cttgagtaca gcctggttgg ggtcttcgta 133800

agtgtgagga tccacatagg tcttcagggg ctttagttgt tctgacttgg aaaaacggac 133860

atcctcagag gactggcgag cccgcaggtt cctcctcctt cgatggatga agaggccaac 133920

tcctgccagt accagaagca aaacaacacc tacagccaca ccgccgatca ccgccatgtt 133980

ggcagatcct tccgtggaca gtgtctggaa ctcgtgcact ttgctgccgg ctccctggcc 134040

ctcctgcgtc agcgcctgca cctgcaccag gtacgtggta tccggagcaa ggtcatccag 134100

ggtcacggag aagccttccg tgcggcgcac attatagctg ttggcatccc ccttcttgcg 134160

gtaggtgact tcgtacttcc acacacggct ctgctgtgac accgggatgc tccaggtgac 134220

actcagggag gtggtgcttc ggtcctccag cctcactttg gggggctctg tttggttaat 134280

actgacgctg gcagtccgga agcttcggct agtcaccagg cctgagacac cattgcgtgc 134340

ttcgacagcg aaggtatagt tcatgtgggg ctccaggtca ctgactgtca cactcgtgcg 134400

ggtcagggcg tgaggaggtt ctgaatagcg cacgctcgcc tcacagggcc cacactcgcc 134460

agactctggc cagcactgtt cgcaagtgac actgtagaca atgtcctggc ggccaccagt 134520

gtccttggga gctgtccaac gcagttctac tttggcaccc atgccaatgg ccgtgaggta 134580

gttgggggca gagggtggac gtgtgcaaga catggacagt gggtcctcag gtgccctgaa 134640

atagccttct tcacactggc aggaggtggc accctctgtg gatggcaggg tatgctctgg 134700

acactccagg caagggctct cagatgcctc agacttgaag aatcctggag aacaggctcg 134760

gcaggcatcc tcgaccttct cgtagccttc ctggcacagg cactgcccga tgggcaccag 134820

ccactcgcca tccaccgtgc agtgcatgag aggcccctcg cccccataag gcaccacggc 134880

atggtccacg caggtaccgg ccaccgtggc caggggttgt gtatcggaga cagcgacagc 134940

aatggtctcg gggaagcgag ccaagctctg cagcatctcg ggacacttct tgtagtagac 135000

gcgaacggag agcagcgcca cgcaggcgcc gatgtcctgg aaggccaggt agaagccctt 135060

ccgggtaagg ggccccacca tgcgctcctc tacgttcagc ttgacattgc gagcctcgaa 135120

gtcactgctg accgtgatct cgtcaggggc gatggtgtca atcttggtga actggcgctt 135180

ctggaagttg gtgccatagt ccacatctga ctctgcatag tagaggttga aggtctcttt 135240

gcatgagctg gcgccacccg ggaagctgtt acagtctcgc accgtgaact tgagctcaat 135300

aaagatgcgc tcggcctcct cccggtacac ccagttggtg cggagccagt tgtcctggtc 135360

gccggatacc acgttgcaca ccgagtacat gtagataggc atgtcgtcca tgatgttctg 135420

catcaggtcc cacccttttgc cataggggtg cgtgagccag ccgagctctc ccttcattgc 135480

tgcgaagtcc aacaaaacaa cttccttttcc ctgtgccgcc gcggccgcca gcgcgcaacc 135540

ccacagcagc gccaggcaga aaccgactgc ccggagctcc atggtcgacc cgggatccgg 135600

taccactttg tgcggccagc ttcctaggag atcctctagc tagagtcggt gtcttctatg 135660

gaggtcaaaa cagcgtggat ggcgtctcca ggcgatctga cggttcacta aaccagctct 135720

gcttatatag agctcgggga gcagaagcgc gcgaacagaa gcgagaagcg aactgattgg 135780

ttagttcaaa taaggcacag ggtcatttca ggtccttggg gcaccctgga aacatctgat 135840

ggttctctag aaactgctga gggcgggacc gcatctgggg accatctgtt cttggccctg 135900

agcggggcag gaactgctta ccacagatat cctgtttggc ccatattctc ctgttccaac 135960

tgttcttggc cctgagcggg gcaggaactg cttaccacag atatcctgtt tggcccatat 136020

tctcctgttt ctctgttcct gaccttgatc ctagcttgcc aaacctacag gtggggtctt 136080

tcattcccat aggcggttac ctgggactgt gcggttggga cggcgcccgt gggcccgggc 136140

ggccgggggc ggcgggggcc gcgatggcgg cggcggcggg ccatggagac agagagcgtg 136200

ccggggtggt agagtttgac aggcaagcat gtgcgtgcag aggcgagtag tgcttgcctg 136260

tctaactcgc tcgtctcggc cgcgggggggc ccgggctgcg ccgccgcgct ttaaagggcc 136320

gcgcgcgacc cccgggggggt gtgtttcggg gggggcccgt tttccgctcc tccccccgct 136380

cctccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc tccccccgct 136440

cctccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc tccccccgct 136500

cctccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc tccccccgct 136560

cctccccccg ctcctccccc cgctccccaa cgcccgccgc gcgcgcgcac gccgcccgga 136620

ccgccgcccg ccttttttgc gcgccgcccc gcccgcgggg ggcccgggct gccacaggtg 136680

taacaacacc aacagaacac caacagcacg gcgcaccggc gactccggtt cctcatccac 136740

acgtcacacg tcacgtcatc caccacacct gcccaccaac acaactcaca gcgacaactc 136800

accgcgcaac aactcctgtt cctcatccac acgtcaccgc gcacccccg ctcctccaga 136860

cgtcccccag cgcaacacgc cgctcctgtc acacaccacc gccccagccc tccccagccc 136920

cagccctccc cagccccagc cctccccggc cccagccctc cccggcccca gccctccccg 136980

gccccagccc tccccggccc cagccctccc cggccccagc cctccccggc cccagccctc 137040

cccggccgcg tcccgcgctc cctcgggggg gttcgggcat ctctacctca gtgccgccaa 137100

tctcaggtca gagatccaaa ccctccgggg gcgcccgcgc accaccaccg cccctcgccc 137160

cctcccgccc ctcgcccccc cccgcccctc gcccccctccc gcccctcgcc ccctcccgcc 137220

cctcgccccc tcccgccccc cgcccccctcc cgcccctcgc cccctcccgc ccctcgcccc 137280

ctcccgcccc tcgcccccctc ccgcccctcg ccccctcccg cccctcgccc cctcccgccc 137340

ctcgccccct cccgccccctc gcccccctccc gcccctcgcc ccctcccgcc cctcgccccc 137400

tcccgccccc cgcccccctcc cgcccctcgc ccctcccgcc ccctcgcccc ctcccgcccc 137460

tcgcccccctc ccgccccctcg aaataaacaa cgctactgca aaactaaatc aggtcgttgt 137520

cgtttattgc gtcttcgggt ttcgcaagcg ccccgccccg tcccggcccg ttacagcacc 137580

ccgtcccccc cgaacgcgcc gccgtcgtcg tcgtcccagg cgccttccca gtccacaact 137640

tcccgtcgcg ggggcgtggc caagcccgcc tccgccccca gcacctccac ggcccccgcc 137700

gccgccagca cggtgccgct gcggcccgtg gccgaggccc agcgaatccc gggcaacgcc 137760

ggcggcaggg cccccgggcc gtcgtcgtcg tcgtcgccgc cgcgcagcac cagcgggggg 137820

gcgtcgtcgt cgggctccag cagggcgcgg gcgcaaaagt ccctccgcgg cccgcgccac 137880

cgggccgggc cggcgcgcac cgcctcgcgc cccagcgcca cgtacacggg ccgcagcggc 137940

gcgcccaggc cccagcgcgc gcaggcgcgg tgcgagtggg cctcctcctc gcagaagtcc 138000

ggcgcgccgg gcgccatggc gtcggtggtc cccgaggccg ccgcccggcc gtccagcgcc 138060

ggcagcacgg cccggcggta ctcgcgcggg gacatgggca ccggcgtgtc cgggccgaag 138120

cgcgtgcgca cgcggtagcg cacgttgccg ccgcggcaca ggcgcagcgg cggcgcgtcg 138180

gggtacaggc gcgcgtgcgc ggcctccacg cgcgcgaaga cccccgggcc gaacacgcgg 138240

cccggggcca gcaccgtgcg gcgcaggtcc cgcgccgccg gccagcgcac ggcgcactgc 138300

acggcgggca gcaggtcgca cgccaggtag gcgtgctgcc gcgacaccgc gggcccgtcg 138360

gcgggccagt cgcaggcgcg cacggtgttg accacgatga gccgccggtc gccggcgctg 138420

gcgagcagcc ccagaaactc cacggccccg gcgaaggcca ggtcccgcgt ggacagcagc 138480

agcacgccct gcgcgcccag cgccgacacg tcgggggcgc cggtccagtt gcccgcccag 138540

gcggccgtgt ccggcccgca cagccggttg gccagggccg ccagcaggca ggacagcccg 138600

ccgcgctcgg cggaccactc cggcggcccc cccgaggccc cgccgccggc caggtcctcg 138660

cccggcagcg gcgagtacag caccaccacg cgcacgtcct cggggtcggg gatctggcgc 138720

atccaggccg ccatgcggcg cagcgggccc gaggcgcgca gggggccaaa gaggcggccc 138780

ccggcggccc cgtgggggtg ggggttatcg tcgtcgtcgc cgccgccgca cgcggcctgg 138840

gcggcggcgg cgggcccggc gcaccgcgcg gcgatcgagg ccagggcccg cgggtcaaac 138900

atgagggccg gtcgccaggg gacggggaac agcgggtggt ccgtgagctc ggccacggcg 138960

cgcggggagc agtaggcctc cagggcggcg gccgcgggcg ccgccgtgtg gctgggcccc 139020

gggggctgcc gccgccagcc gcccaggggg tcggggccct cggcgggccg gcgcgacagc 139080

gccacggggc gcgggcgggc ctgcgccgcg gcggcccggg gcgccgcggg ctgggcgggg 139140

gcgggctcgg gccccggggg cgtggagggg ggcgcgggga ggggggcgcg ggcgtccgag 139200

ccgggggcgt ccgcgccgct cttcttcgtc ttcgggggtc gcgggccgcc gcctccgggc 139260

ggccgggccg ggccgggact cttgcgcttg cgcccctccc gcggcgcggc ggaggcggcg 139320

gcggccgcca gcgcgtcggc ggcgtccggt gcgctggcgg ccgccgccag caggggcgc 139380

aggctctggt tctcaaacag caggtccgcg gcggcggcgg ccgcggagct cggcaggcgc 139440

gggtcccgcg gcagcgcggg gcccagggcc ccggcgacca ggctcacggc gcgcacggcg 139500

gccacggcgg cctcgctgcc gccggccacg cgcaggtccc cgcgcaggcg catgagcacc 139560

agcgcgtcgc gcacgaaccg cagctcgcgc agccacgcgc gcaggcgggg cgcgtcggcg 139620

tgcggcggcg gcggggaagc ggggcccgcg ggtccctccg gccgcggggg gctggcgggc 139680

cgggccccgg ccagccccgg gacggccgcc aggtcgccgt cgaagccctc ggccagcgcc 139740

tccaggatcc cgcggcaggc ggccaggcac tccacggcca cgcggccggc ctgggcgcgg 139800

cgcccggcgt cgtcgtcggc gtcggcgtgg cgggcggcgt cggggtcgtc gccccccgcg 139860

ggggaggcgg gcgcggcgga cagccgcccc agggcggcga ggatccccgc ggcgccgtac 139920

ccggcgggca ccgcgcgctc gcccggtgcg gcggcggcgg cgacgacggc ggcggcgacc 139980

ccctcgtcat ctgcgccggc gccggggctc cccgcggccc ccgtcagcgc cgcgttctcg 140040

cgcgccaaca ggggcgcgta ggcgcggcgc aggctggtca gcaggaagcc cttctgcgcg 140100

cggtcgtatc ggcggctcat ggccacggcg gccgccgcgt gcgccaggcc ccagccgaag 140160

cggccggccg ccatggcgta gcccaggtgg ggcacggccc gcgccacgct gccggtgatg 140220

aaggagctgc tgttgcgcgc ggcgcccgag atccggaagc aggcctggtc cagcgccacg 140280

tccccgggga ccacgcgcgg gttctggagc caccccatgg cctccgcgtc cggggtgtac 140340

agcagccgcg tgatcagggc gtactgctgc gcggcgtcgc ccagctcggg cgcccacacg 140400

gccgccgggg cgcccgaggc ctcgaaccgg cgtcgcgcct cctccgcctc gggcgccccc 140460

cagaggcccg ggcggctgtc gcccaggccg ccgtacagca cccgccccgg gggcgggggc 140520

ccggcgccgg gccacggctc cccgctgacg tacccgtcgc gatagcgcgc gtagaaggcg 140580

ccggaggccg cgtcggcgtc cagctcgacc cgccggggct gcccggccgt gaagcggccc 140640

gtggcgtcgc ggccggccac cgccgcgcgg gcccggcggc gctcgatgcg gcccgcggag 140700

gccgcggggg tcctcgccgc cgcccggggc ttgggcgcgg cctcggagag ggggggtggc 140760

ccgggcgggg gcggcgtccg cccgggggct tccggcgccg cgctcgacgg accccgcccg 140820

acggcccgcg cctcgcgtgc gcggtcggcc gcgtcgttgc cgtcgtcgtc ctcgtcctcg 140880

tcggacgacg aggacgaaga ggatgcggac gacgaggacg aggacccgga gtccgacgag 140940

gtcgatgacg ccgatggccg ccgccggccg tgacgacgtc tccgcggcgg ctgggccggc 141000

gggcgcggcg acaggcggtc cgtggggtcc ggatacgcgc cgcgtagcgg ggcctcccgt 141060

gcgcggcccc gggccggggc ccggtcgccg gcggcgtcgg ctgcgtcgtc gtactcgtcc 141120

ccgtcatcgt cgtcggctcg aaaggcgggg gtccggggcg gcgaggccgc ggggtcgggc 141180

gtcgggatcg tccggacggc ctcctctacc atggaggcca gcagggccag ctgtcgcggc 141240

gagacggcgt ccccggcgtc ctcgccggcg tcggtgcccg ccgcgggggc cctcccgtcc 141300

cgccgggcgt cgtcgaggtc gtgggggtgg tcggggtcgt ggtcggggtc gtccccgccc 141360

tcctccgtct ccgcgcccca cccgagggcc ccccgctcgt cgcggtctgg gctcggggtg 141420

ggcggcggcc cgtcggtggg gcccggggag ccggggcgct gcttgttctc cgacgccatc 141480

gccgatgcgg ggcgatcctc cggggatacg gctgcgacgg cggacgtagc acggtaggtc 141540

acctacggac tctcgatggg gagggggcga gacccacgga ccccgacgac ccccgccgtc 141600

gacgcggaac tagcgcggac cggtcgatgc ttgggtggga aaaaggacag ggacggccga 141660

tccccctccc gcgcttcgtc cgcgtatcgg cgtcccggcg cggcgagcgt ctgacggtct 141720

gtctctggcg gtcccgcgtc gggtcgtgga tccgtgtcgg cagccgcgct ccgtgtggac 141780

gatcggggcg tcctcgggct catatagtcc caggggccgg cgggaaggag gagcagcgga 141840

ggccgccggc cccccgcccc ccaggcgggc ccgccccgaa cggaattcca ttatgcacga 141900

ccccgccccg acgccggcac gccgggggcc cgtggccgcg gcccgttggt cgaacccccg 141960

gccccgccca tccgcgccat ctgccatggg cggggcgcga gggcgggtgg gcccgcgccc 142020

cgccccgcat ggcatctcat taccgcccga tccggtggtt tccgcttccg ttccgcatgc 142080

taacgaggaa cgggccgggg gcggggcccg ggccccgact tcccggttcg gcggtaatga 142140

gatacgagcc ccgcgcgccc gttggccgtc cccgggcccc cggtcccgcc cgccggacgt 142200

tgggaccaac gggacggcgg gcggcccaag ggccgcccgc cttgccgccc ccccattggc 142260

cggcgggcgg gaccgcccca agggggcggg gccgccgggt aaaagaagtg agaacgcgaa 142320

gcgttcgcac ttcgtcccaa tatatatata ttattagggc gaagtgcgag cactggcgcc 142380

gtgcccgact ccgcgccggc cccgggggcg ggcccgggcg gcgggggggcg ggtctctccg 142440

gcgcacataa aggcccggcg cgaccgacgc ccgcagacgg cgccggccac gaacgacggg 142500

agcggctgcg gagcacgcgg accgggagcg ggactcgcag agggccgtcg gagcggacgg 142560

cgtcggcatc gcgacgcccc ggctcgggat cgggatcgca tcggaaaggg acacgcggaa 142620

agacccaccc accccaccca cgaaacacag gggacgcacc ccgggggcct ccgacgacag 142680

aaacccaccg gtccgccttt gtgcacgggt aagcaccttg ggtgggcgga ggagggggg 142740

acgcgggggc ggaggagggg ggacgcgggg gcggaggagg ggggacgcgg gggcggagga 142800

gggggacgc gggggcggag gaggggggac gcgggggcgg aggaggggc tcacccgcgt 142860

tcgtgccttc ccgcaggagg aacgtcctcg tcgaggcgac cggcggcgac cgttgcgtgg 142920

accgcttcct gctcgtcggg cgggggaag ccactgtggt cctccgggac gttttctgga 142980

tggccgacat ttccccaggc gcttttgcgc cttgtgtaaa agcgcggcgt cccgctctcc 143040

gatccccgcc cctgggcacg cgcaagcgca agcgcccttc ccgccccctc tcatcggagt 143100

ctgaggtaga atccgataca gccttggagt ctgaggtcga atccgagaca gcatcggatt 143160

cgaccgagtc tggggaccag gatgaagccc cccgcatcgg tggccgtagg gccccccgga 143220

ggcttggggg gcggtttttt ctggacatgt cggcggaatc caccacgggg acggaaacgg 143280

atgcgtcggt gtcggacgac cccgacgaca cgtccgactg gtcttatgac gacattcccc 143340

cacgacccaa gcgggcccgg gtaaacctgc ggctcacgag ctctcccgat cggcgggatg 143400

gggttatttt tcctaagatg gggcgggtcc ggtctacccg ggaaacgcag ccccgggccc 143460

ccaccccgtc ggccccaagc ccaaatgcaa tgctacggcg ctcggtgcgc caggcccaga 143520

ggcggagcag cgcacgatgg acccccgacc tgggctacat gcgccagtgt atcaatcagc 143580

tgtttcgggt cctgcgggtc gcccgggacc cccacggcag tgccaaccgc ctgcgccacc 143640

tgatacgcga ctgttacctg atgggatact gccgagcccg tctggccccg cgcacgtggt 143700

gccgtttgct gcaggtgtcc ggcggaacct ggggcatgca cctgcgcaac accatacggg 143760

aggtggaggc tcgattcgac gccaccgcgg aacccgtgtg caagcttcct tgtttggaga 143820

ccagacggta cggcccggag tgtgatctta gtaatctcga gattcatctc agcgcgacaa 143880

gcgatgatga aatctccgat gccaccgatc tggaggccgc cggttcggac cacacgctcg 143940

cgtcccagtc cgacacggag gatgcccccc cccccgttac gctggaaacc ccagaacccc 144000

gcgggtccct cgctgtgcgt ctggaggatg agtttgggga gtttgactgg acccccccagg 144060

agggctccca gccctggctg tctgcggtcg tggccgatac cagctccgtg gaacgcccgg 144120

gcccatccga ttctggggcg ggtcgcgccg cagaagaccg caagtgtctg gacggctgcc 144180

ggaaaatgcg cttctccacc gcctgcccct atccgtgcag cgacacgttt ctccggccgt 144240

gagtccggtc gccccgaccc ccttgtatgt ccccaaataa aagaccaaaa tcaaagcgtt 144300

tgtcccagcg tcttaatggc gggaaggggcg gagagaaaca gaccacgcgt acatgggggg 144360

tgtttggggg tttattgaca tcggggctac agggtggtaa ccggatagca gatgtgagga 144420

agtctgggcc gttcgccgcg aacggcgatc agagggtccg tttcttgcgg accacggccc 144480

ggtgatgtgg gttgctcgtc tgggatctcg ggcatgccca tacacgcaca acacggacgc 144540

cgcaccggat gggacgtcgt aaggggggcct ggggtagctg ggtggggttt gtgcagagca 144600

atcagggacc gcagccagcg catacaatcg cgctcccgtc cgtttgtccc gggcagtacc 144660

acgccgtact ggtattcgta ccggctgagc agggtctcca gggggtggtt gggggccgcg 144720

gggaacgggg tccacgccac ggtccactcg ggcaaaaacc gagtcggcac ggcccacggt 144780

tctcccaccc acgcgtctgg ggtcttgatg gcgataaatc ttaccccgag ccggattttt 144840

tgggcgtatt cgagaaacgg cacacacaga tccgccgcgc ctaccaccca caagtggtag 144900

aggcgagggg ggctgggttg gtctcggtgc agcagtcgga agcacgccac ggcgtccacg 144960

acctcggtgc tctccaaggg gctgtcctcc gcaaacaggc ccgtggtggt gtttgggggg 145020

cagcgacagg acctagtgcg cacgatcggg cgggtgggtt tgggtaagtc catcagcggc 145080

tcggccaacc gtcgaaggtt ggccggacga acgacgaccg gggtacccag gggttctgat 145140

gccaaaatgc ggcactgcct aagcaggaag ctccacaggg ccgggcttgc gtcgacggaa 145200

gtccggggca gggcgttgtt ctggtcaagg agggtcatta cgttgacgac aacaacgccc 145260

atgttggtat attacaggcc cgtgtccgat ttggggcact tgcagatttg taaggccacg 145320

cacggcgggg agacaggccg acgcgggggc tgctctaaaa atttaagggc cctacggtcc 145380

acagacccgc cttcccgggg gggcccttgg agcgaccggc agcggaggcg tccgggggag 145440

gggagggtga tttacggggg ggtaggtcag ggggtgggtc gtcaaactgc cgctccttaa 145500

aaccccgggg cccgtcgttc ggggtgctcg ttggttggca ctcacggtgc ggcgaatggc 145560

ctgtcgtaag ttttgtcgcg tttacggggg acagggcagg aggaaggagg aggccgtccc 145620

gccggagaca aagccgtccc gggtgtttcc tcatggcccc ttttataccc cagccgagga 145680

cgcgtgcctg gactccccgc ccccggagac ccccaaacct tcccacacca caccacccgg 145740

cgatgccgag cgcctgtgtc atctgcagga gatcctggcc cagatgtacg gaaaccagga 145800

ctaccccata gaggacgacc ccagcgcgga tgccgcggac gatgtcgacg aggacgcccc 145860

ggacgacgtg gcctatccgg aggaatacgc agaggagctt tttctgcccg gggacgcgcc 145920

cggtcccctt atcggggcca acgaccacat ccctcccccg tgtggcgcat ctccccccgg 145980

tatacgacga cgcagccggg atgagattgg ggccacggga tttaccgcgg aagaactgga 146040

cgccatggac agggaggcgg ctcgagccat cagccgcggc ggcaagcccc cctcgaccat 146100

ggccaagctg gtgactggca tgggctttac gatccacgga gcgctcaccc caggatcgga 146160

ggggtgtgtc tttgacagca gccacccaga ttacccccaa cgggtaatcg tgaaggcggg 146220

gtggtacacg agcacgagcc acgaggcgcg actgctgagg cgactggacc accccgcgat 146280

cctgcccctc ctggacctgc atgtcgtctc cggggtcacg tgtctggtcc tccccaagta 146340

ccaggccgac ctgtatacct atctgagtag gcgcctgaac ccgctgggac gcccgcagat 146400

cgcagcggtc tcccggcagc tcctaagcgc cgttgactac attcaccgcc agggcattat 146460

ccaccgcgac attaagaccg aaaatatttt tattaacacc cccgaggaca tttgcctggg 146520

ggactttggt gccgcgtgct tcgtgcaggg ttcccgatca agccccttcc cctacggaat 146580

cgccggaacc atcgacacca acgcccccga ggtcctggcc ggggatccgt ataccaccac 146640

cgtcgacatt tggagcgccg gtctggtgat cttcgagact gccgtccaca acgcgtcctt 146700

gttctcggcc ccccgcggcc ccaaaagggg cccgtgcgac agtcagatca cccgcatcat 146760

ccgacaggcc caggtccacg ttgacgagtt ttccccgcat ccagaatcgc gcctcacctc 146820

gcgctaccgc tcccgcgcgg ccgggaacaa tcgcccgccg tacacccgac cggcctggac 146880

ccgctactac aagatggaca tagacgtcga atatctggtt tgcaaagccc tcaccttcga 146940

cggcgcgctt cgccccagcg ccgcagagct gctttgtttg ccgctgtttc aacagaaatg 147000

accgccccca gggggcggtg ctgtttgcgg gttggcacaa aaagaccccg acccgcgtct 147060

gtggtgtttt tggcatcatg tcgccgggcg ccatgcgtgc cgttgttccc attatcccat 147120

tccttttggt tcttgtcggt gtatcggggg ttcccaccaa cgtctcctcc accacccaac 147180

cccaactcca gaccaccggt cgtccctcgc atgaagcccc caacatgacc cagaccggca 147240

ccaccgactc tcccaccgcc atcagcctta ccacgcccga ccacacaccc cccatgccaa 147300

gtatcggact ggaggaggag gaagaggagg agggggccgg ggacggcgaa catcttgagg 147360

ggggagatgg gacccgtgac accctacccc agtccccggg cccagccttc ccgttggctg 147420

aggacgtcga gaaggacaaa cccaaccgtc ccgtagtccc atcccccgat cccaacaact 147480

cccccgcgcg ccccgagacc agtcgcccga agacaccccc caccattatc gggccgctgg 147540

caactcgccc cacgacccga ctcacctcaa agggacgacc cttggttccg acgcctcaac 147600

ataccccgct gttctcgttc ctcactgcct cccccgccct ggacaccctc ttcgtcgtca 147660

gcaccgtcat ccacacctta tcgtttttgt gtattggtgc gatggcgaca cacctgtgtg 147720

gcggttggtc cagacgcggg cgacgcacac accctagcgt gcgttacgtg tgcctgccgt 147780

ccgaacgcgg gtagggtatg gggcgggggа tggggagagc ccacacgcgg aaagcaagaa 147840

caataaaggc ggtggtatct agttgatatg catctctggg tgtttttggg gtgtggcgga 147900

cgcggggcgg tcattggacg gggtgcagtt aaatacatgc ccgggaccca tgaagcatgc 147960

gcgacttccg ggcctcggaa cccacccgaa acggccaacg gacgtctgag ccaggcctgg 148020

ctatccggag aaacagcaca cgacttggcg ttctgtgtgt cgcgatgtct ctgcgcgcag 148080

tctggcatct ggggcttttg ggaagcctcg tgggggctgt tcttgccgcc acccatcggg 148140

gacctgcggc caacacaacg gaccccttaa cgcacgcccc agtgtcccct caccccagcc 148200

ccctgggggg ctttgccgtc cccctcgtag tcggtgggct gtgcgccgta gtcctggggg 148260

cggcgtgtct gcttgagctc ctgcgtcgta cgtgccgcgg gtgggggcgt taccatccct 148320

acatggaccc agttgtcgta taatttcccc ccccccccсc cttctccgca tgggtgatgt 148380

cgggtccaaa ctcccgacac caccagctgg tatggtataa atcaccggtg cgccccccaa 148440

accatgtccg gcaggggggat gggggggcga atgcggaggg cacccaacaa caccgggcta 148500

accaggaaat ccgtggcccc ggcccccaat aaagatcgcg gtagcccggc cgtgtgacac 148560

tatcgtccat accgaccaca ccgacgaatc ccctaagggg gaggggccat tttacgagga 148620

ggaggggtat aacaaagtct gtctttaaaa agcaggggtt agggagttgt tcggtcataa 148680

gcttcagcgc gaacgaccaa ctaccccgat catcagttat ccttaaggtc tcttttgtgt 148740

ggtgcgttcc ggtatggggg gggctgccgc caggttgggg gccgtgattt tgtttgtcgt 148800

catagtgggc ctccatgggg tccgcggcaa atatgccttg gcggatgcct ctctcaagat 148860

ggccgacccc aatcgctttc gcggcaaaga ccttccggtc ctggaccagc tgaccgaccc 148920

tccgggggtc cggcgcgtgt accacatcca ggcgggccta ccggacccgt tccagccccc 148980

cagcctcccg atcacggttt actacgccgt gttggagcgc gcctgccgca gcgtgctcct 149040

aaacgcaccg tcggaggccc cccagattgt ccgcggggcc tccgaagacg tccggaaaca 149100

accctacaac ctgaccatcg cttggtttcg gatgggaggc aactgtgcta tccccatcac 149160

ggtcatggag tacaccgaat gctcctacaa caagtctctg ggggcctgtc ccatccgaac 149220

gcagccccgc tggaactact atgacagctt cagcgccgtc agcgaggata acctggggtt 149280

cctgatgcac gcccccgcgt ttgagaccgc cggcacgtac ctgcggctcg tgaagataaa 149340

cgactggacg gagattacac agtttatcct ggagcaccga gccaagggct cctgtaagta 149400

cgccctcccg ctgcgcatcc ccccgtcagc ctgcctgtcc ccccaggcct accagcaggg 149460

ggtgacggtg gacagcatcg ggatgctgcc ccgcttcatc cccgagaacc agcgcaccgt 149520

cgccgtatac agcttgaaga tcgccgggtg gcacgggccc aaggccccat acacgagcac 149580

cctgctgccc ccggagctgt ccgagacccc caacgccacg cagccagaac tcgccccgga 149640

agaccccgag gattcggccc tcttggagga ccccgtgggg acggtggcgc cgcaaatccc 149700

accaaactgg cacataccgt cgatccagga cgccgcgacg ccttaccatc ccccggccac 149760

cccgaacaac atgggcctga tcgccggcgc ggtgggcggc agtctcctgg cagccctggt 149820

catttgcgga attgtgtact ggatgcgccg ccgcactcaa aaagccccaa agcgcatacg 149880

cctcccccac atccgggaag acgaccagcc gtcctcgcac cagcccttgt tttactagat 149940

acccccccct aatgggtgcg gggggggtcag gtctgcgggg ttgggatggg accttaactc 150000

catataaagc gagtctggaa gggggggaaag gcggacagtc gataagtcgg tagcgggggga 150060

cgcgcacctg ttccgcctgt cgcacccaca gctttttttg cgaaccgtcc cgttccggga 150120

tgccgtgccg cccgttgcag ggcctggtgc tcgtgggcct ctgggtctgt gccaccagcc 150180

tggttgtccg tggccccacg gtcagtctgg tatcaaactc atttgtggac gccggggcct 150240

tggggcccga cggcgtagtg gaggaagacc tgcttattct cggggagctt cgctttgtgg 150300

gggaccaggt cccccacacc acctactacg atggggtcgt agagctgtgg cactacccca 150360

tgggacacaa atgcccacgg gtcgtgcatg tcgtcacggt gaccgcgtgc ccacgtcgcc 150420

ccgccgtggc tttcgccctg tgtcgcgcaa ccgacagcac tcacagcccc gcatatccca 150480

ccctggagct gaatctggcc caacagccgc ttttgcgggt ccggagggcg acgcgtgact 150540

atgccggggt gtacgtgtta cgcgtatggg tcggggacgc accaaacgcc agcctgtttg 150600

tcctggggat ggccatagcc gccgaaggga ctctggcgta caacggctcg gcccatggct 150660

cctgcgaccc gaaactgctt ccgtattcgg ccccgcgtct ggccccggcg agcgtatacc 150720

aacccgcccc taacccggcc tccacccccc cgaccaccac ctccaccccc tcgaccacca 150780

cctccacccc ctcgaccacc atccccgctc cccaagcatc gaccacaccc ttccccacgg 150840

gagacccaaa accccaacct cacggggtca accacgaacc cccatcgaat gccacgcgag 150900

cgacccgcga ctcgcgatac gcgctaacgg tgacccagat aatccagata gccatccccg 150960

cgtccattat agccctggtg tttctgggga gctgtatttg ctttatacac agatgtcaac 151020

gccgctaccg acgctcccgc cgcccgattt acaacccccа gatacccact ggcatctcat 151080

gcgcggtgaa cgaagcggcc atggcccgcc tcggagccga gctcaaatcg catccgagca 151140

ccccccccaa atcccggcgc cggtcgtcac gcacaccaat gccctccctg acggccatcg 151200

ccgaagagtc ggagcccgcg ggggcggctg ggcttccgac gccccccgtg gaccccacga 151260

catccacccc aacgcctccc ctgttggtat aggtccacgg ccactggccg ggggcaccac 151320

ataaccgacc gcagtcactg agttgggaat aaaccggtat tatttaccta tatacgtgta 151380

tgtccatttc ttcccccccc cccccggaaa ccaaagaagg aaacaaagaa tggatgggag 151440

gagttcagga agccggggag agggcccgcg gcgcatttaa ggcgttgttg tgttgacttt 151500

ggctcttctg gcgggttggt gcggtgctgt ttgttgggct cccattttac ccgaagatcg 151560

gctgctatcc ccgggacatg gatcgcgggg cggtggtggg gtttcttctc ggtgtttgtg 151620

ttgtatcgtg cttggcggga acgcccaaaa cgtcctggag acgggtgagt gtcggcgagg 151680

acgtttcgtt gcttccagct ccggggccta cggggcgcgg cccgacccag aaactactat 151740

gggccgtgga acccctggat gggtgcggcc ccttacaccc gtcgtgggtc tcgctgatgc 151800

cccccaagca ggtgcccgag acggtcgtgg atgcggcgtg catgcgcgct ccggtcccgc 151860

tggcgatggc gtacgccccc ccggccccat ctgcgaccgg gggtctacgg acggacttcg 151920

tgtggcagga gcgcgcggcc gtggttaacc ggagtctggt tatttacggg gtccgagaga 151980

cggacagcgg cctgtatacc ctgtctgtgg gcgacataaa ggacccggct cgccaagtgg 152040

cctcggtggt cctggtggtg caaccggccc cagttccgac cccacccccg accccagccg 152100

attacgacga ggatgacaat gacgagggcg agggcgagga cgaaagtcta gccggcactc 152160

ccgccagcgg gacccccccgg ctcccgcctc cccccgcccc cccgaggtct tggcccagcg 152220

cccccgaagt ctcacacgtg cgtggggtga ccgtgcgtat ggagactccg gaagctatcc 152280

tgttttcccc cggggaggcg tttagcacga acgtctccat ccatgccatc gcccacgacg 152340

accagaccta caccatggac gtcgtctggt tgaggttcga cgtgccgacc tcgtgtgccg 152400

agatgcgaat atacgaatcg tgtctgtatc acccgcagct cccagagtgt ctgtccccgg 152460

ccgacgctcc gtgcgccgcg agtacgtgga cgtctcgcct ggccgtccgc agctacgcgg 152520

ggtgttccag aacaaacccc ccgccgcgct gttcggccga ggctcacatg gagcccttcc 152580

cggggctggc gtggcaggcg gcctccgtca atctggagtt ccgggacgcg tccccacaac 152640

actccggcct gtatctgtgc gtggtgtacg tcaacgacca tattcacgca tggggccaca 152700

ttaccatcag caccgcggcg cagtaccgga acgcggtggt ggaacagccc ctcccacagc 152760

gcggcgcgga tttggccgag cccacccacc cgcacgtcgg ggcccctccc cacgcgcccc 152820

caacccacgg cgccctgcgg ttaggggcgg tgatgggggc cgccctgctg ctgtctgcgc 152880

tggggttgtc ggtgtgggcg tgtatgacct gttggcgcag gcgtgcctgg cgggcggtta 152940

aaagcagggc ctcgggtaag gggcccacgt acattcgcgt ggccgacagc gagctgtacg 153000

cggactggag ctcggacagc gagggagaac gcgaccaggt cccgtggctg gccccccggg 153060

agagacccga ctctccctcc accaatggat ccggctttga gatcttatca ccaacggctc 153120

cgtctgtata cccccgtagc gatgggcatc aatctcgccg ccagctcaca acctttggat 153180

ccggaaggcc cgatcgccgt tactcccagg cctccgattc gtccgtcttc tggtaaggcg 153240

ccccatcccg aggccccacg tcggtcgccg aactgggcga ccgccggcga ggtggacgtc 153300

ggagacgagc taatcgcgat ttccgacgaa cgcggacccc cccgacatga ccgcccgccc 153360

ctcgccacgt cgaccgcgcc ctcgccacac ccgcgacccc cgggctacac ggccgttgtc 153420

tccccgatgg ccctccaggc tgtcgacgcc ccctccctgt ttgtcgcctg gctggccgct 153480

cggtggctcc ggggggcttc cggcctgggg gccgtcctgt gtgggattgc gtggtatgtg 153540

acgtcaattg cccgaggcgc ataaagggcc ggtggtccgc ctagccgcag caaattaaaa 153600

atcgtgagtc actgcgaccg caacttccca cccggagctt tcttccggcc tcgatgacgt 153660

cccggctctc cgatcccaac tcctcagcgc gatccgacat gtccgtgccg ctttatccca 153720

cggcctcgcc agtttcggtc gaagcctact actcggaaag cgaagacgag gcggccaacg 153780

acttcctcgt acgcatgggc cgccaacagt cggtattaag gcgtcgacgc agacgcaccc 153840

gctgcgtcgg catggtgatc gcctgtctcc tcgtggccgt tctgtcgggc ggatttgggg 153900

cgctcctgat gtggctgctc cgctaaaaga ccgcatcgac acgcgcgtcc ttcttgtcgt 153960

ctctcttccc ccccatcacc ccgcaatttg cacccagcct ttaactacat taaattgggt 154020

tcgattggca atgttgtctc ccggttgatt tttgggtggg tggggagtgg gtgggtgggg 154080

agtgggtggg tggggagtgg gtgggtgggg agtgggtggg tggggagtgg gtgggtgggg 154140

agtgggtggg tggggagtgg gtgggtgggg agtgggtggg tggggagtgg gtgggtgggg 154200

agtggcaagg aagaaacaag cccgaccacc agacagaaaa tgtaaccata cccaaaccga 154260

ctctgggggc tgtttgtggg gtcggaacca taggatgaac aaaccacccc gtacctcccg 154320

caccttggg tgcgggtggc tcatcggcat ctgtccggta tgggttgttc cccacccact 154380

tgcgttcgga cgtcttagaa tcatggcggt tttctatgcc gacatcggtt ttctcccccg 154440

caataagaca cgatgcgata aaatctgttt gtgaaattta ttaagggtac aaattgccct 154500

agcacagggg tggggttagg gccgggtccc cacacccaaa cgcaccaaac agatgcaggc 154560

agtgggtcga gtacagcccc gcgtacgaac acgtcgatgc gtgtgtcaga cagcaccaga 154620

aagcacaggc catcaacagg tcgtgcatat gtcggtgggt ttggacgcgg ggggccatgg 154680

tggtgataaa gttaatggcc gccgtccgcc agggccacag gggcgacgtc tcttggttgg 154740

cccggagcca ctgggtgtgg accagccgcg cgtggcggcc caacatggcc cctgtagccg 154800

ggggcggggg atcgcgcacg tttgcagcgc acatgcgaga cacctcgacc acggttcgga 154860

agaaggcccg gtggtccgcg ggcaacatca ccaggtgcgc aagcgcccgg gcgtccagag 154920

ggtagagccc tgagtcatcc gaggttggct catcgcccgg gtcatgccgc aagtgcgtgt 154980

gggttgggct tccggtgggc gggacgcgaa ccgcggtgtg gagccctacg cgggcccgag 155040

cgtacgctcc atcttgtggg gagaaggggt ctgggctcgc cagggggggca tacttgcccg 155100

ggctatacag acccgcgagc cgtacgtggt tcgcgggggg tgcgtggggt ccggggctcc 155160

cggggaggcc ggggctcccg gggttgtcgt ggatccctgg ggtcacgcgg taccctgggg 155220

tctctgggag ctcgcggtac tctgggttcc ctaggttctc ggggtggtcg cggaacccgg 155280

ggctcccggg gaacacgcgg tgtcctgggg attgttggcg gtcggacggc ttcagatggc 155340

ttcgagatcg tagtgtccgc accgactcgt agtagacccg aatctccaca ttgccccgcc 155400

gcttgatcat tatcaccccg ttgcgggggt ccggagatca tgcgcgggtg tcctcgaggt 155460

gcgtgaacac ctctggggtg catgccggcg gacggcacgc cttttaagta aacatctggg 155520

tcgcccggcc caactggggc cgggggttgg gtctggctca tctcgagagc cacgggggga 155580

accaccctcc gcccagaaac ttgggcgatg gtcgtacccg ggactcaacg ggttaccgga 155640

ttacggggac tgtcggtcac ggtcccgccg gttcttcgat gtgccacacc caaggatgcg 155700

ttgggggcga ttttgggcag cagcccggga gagcgcagca gaggacgctc cgggtcgtgc 155760

acggcggttt tggccgcctc ccggtcctca cgcccccttt tattgatctc atcgcgtacg 155820

tcggcgtacg tcctgggccc aacccgcatg ttgtccagga aggtgtccgc catttccagg 155880

gcccacgaca tgctcccccg cccgacgagc aggaagcggt ccacgcaacg gtcgccgccg 155940

gtcgccccga cgagcaggaa gcggtccacg caacggtcgc cgccggtcgc ctcgacgagg 156000

acgttcctcc tgcgggaagg cacgaacgcg ggtgagcccc ctcctccgcc cccgcgtccc 156060

ccctcctccg cccccgcgtc ccccctcctc cgcccccgcg tccccccctcc tccgcccccg 156120

cgtcccccct cctccgcccc cgcgtccccc ctcctccgcc cccgcgtccc ccctcctcca 156180

cccccgcgtc ccccccctcct ccgcccaccc aaggtgctta cccgtgcaca aaggcggacc 156240

ggtgggtttc tgtcgtcgga ggcccccggg gtgcgtcccc tgtgtttcgt gggtggggtg 156300

ggtgggtctt tccgcgtgtc cctttccgat gcgatcccga tcccgagccg gggcgtcgcg 156360

atgccgacgc cgtccgctcc gacggccctc tgcgagtccc gctcccggtc cgcgtgctcc 156420

gcagccgctc ccgtcgttcg tggccggcgc cgtctgcggg cgtcggtcgc gccgggcctt 156480

tatgtgcgcc ggagagaccc gccccccgcc gcccgggccc gcccccgggg ccggcgcgga 156540

gtcgggcacg gcgccagtgc tcgcacttcg ccctaataat atatatatat tgggacgaag 156600

tgcgaacgct tcgcgttctc acttctttta cccggcggcc ccgccccctt ggggcggtcc 156660

cgcccgccgg ccaatggggg ggcggcaagg cgggcggccc ttgggccgcc cgccgtcccg 156720

ttggtcccaa cgtccggcgg gcgggaccgg gggcccgggg acggccaacg ggcgcgcggg 156780

gctcgtatct cattaccgcc gaaccgggaa gtcggggccc gggccccgcc cccggcccgt 156840

tcctcgttag catgcggaac ggaagcggaa accaccggat cgggcggtaa tgagatgcca 156900

tgcggggcgg ggcgcgggcc cacccgccct cgcgccccgc ccatggcaga tggcgcggat 156960

gggcggggcc gggggttcga ccaacgggcc gcggccacgg gcccccggcg tgccggcgtc 157020

ggggcggggt cgtgcataat ggaattccgt tcggggcggg cccgcctggg gggcgggggg 157080

ccggcggcct ccgctgctcc tccttcccgc cggcccctgg gactatatga gcccgaggac 157140

gccccgatcg tccacacgga gcgcggctgc cgacacggat ccacgacccg acgcgggacc 157200

gccagagaca gaccgtcaga cgctcgccgc gccgggacgc cgatacgcgg acgaagcgcg 157260

ggaggggggat cggccgtccc tgtccttttt cccacccaag catcgaccgg tccgcgctag 157320

ttccgcgtcg acggcggggg tcgtcggggt ccgtgggtct cgcccccctcc ccatcgagag 157380

tccgtaggtg acctaccgtg ctacgtccgc cgtcgcagcc gtatccccgg aggatcgccc 157440

cgcatcggcg atggcgtcgg agaacaagca gcgccccggc tccccgggcc ccaccgacgg 157500

gccgccgccc accccgagcc cagaccgcga cgagcggggg gccctcgggt ggggcgcgga 157560

gacggaggag ggcggggacg accccgacca cgaccccgac caccccacg acctcgacga 157620

cgcccggcgg gacgggaggg cccccgcggc gggcaccgac gccggcgagg acgccgggga 157680

cgccgtctcg ccgcgacagc tggccctgct ggcctccatg gtagaggagg ccgtccggac 157740

gatcccgacg cccgaccccg cggcctcgcc gccccggacc cccgcctttc gagccgacga 157800

cgatgacggg gacgagtacg acgacgcagc cgacgccgcc ggcgaccggg ccccggcccg 157860

gggccgcgca cgggaggccc cgctacgcgg cgcgtatccg gaccccacgg accgcctgtc 157920

gccgcgcccg ccggcccagc cgccgcggag acgtcgtcac ggccggcggc ggccatcggc 157980

gtcatcgacc tcgtcggact ccgggtcctc gtcctcgtcg tccgcatcct cttcgtcctc 158040

gtcgtccgac gaggacgagg acgacgacgg caacgacgcg gccgaccgcg cacgcgaggc 158100

gcgggccgtc gggcggggtc cgtcgagcgc ggcgccggaa gcccccgggc ggacgccgcc 158160

cccgcccggg ccaccccccc tctccgaggc cgcgcccaag ccccgggcgg cggcgaggac 158220

ccccgcggcc tccgcgggcc gcatcgagcg ccgccgggcc cgcgcggcgg tggccggccg 158280

cgacgccacg ggccgcttca cggccgggca gccccggcgg gtcgagctgg acgccgacgc 158340

ggcctccggc gccttctacg cgcgctatcg cgacgggtac gtcagcgggg agccgtggcc 158400

cggcgccggg cccccgcccc cggggcgggt gctgtacggc ggcctgggcg acagccgccc 158460

gggcctctgg ggggcgcccg aggcggagga ggcgcgacgc cggttcgagg cctcgggcgc 158520

cccggcggcc gtgtgggcgc ccgagctggg cgacgccgcg cagcagtacg ccctgatcac 158580

gcggctgctg tacaccccgg acgcggaggc catggggtgg ctccagaacc cgcgcgtggt 158640

ccccggggac gtggcgctgg accaggcctg cttccggatc tcgggcgccg cgcgcaacag 158700

cagctccttc atcaccggca gcgtggcgcg ggccgtgccc cacctgggct acgccatggc 158760

ggccggccgc ttcggctggg gcctggcgca cgcggcggcc gccgtggcca tgagccgccg 158820

atacgaccgc gcgcagaagg gcttcctgct gaccagcctg cgccgcgcct acgcgccccc 158880

gttggcgcgc gagaacgcgg cgctgacggg ggccgcgggg agccccggcg ccggcgcaga 158940

tgacgagggg gtcgccgccg ccgtcgtcgc cgccgccgcc gcaccgggcg agcgcgcggt 159000

gcccgccggg tacggcgccg cggggatcct cgccgccctg gggcggctgt ccgccgcgcc 159060

cgcctccccc gcgggggggcg acgaccccga cgccgcccgc cacgccgacg ccgacgacga 159120

cgccgggcgc cgcgcccagg ccggccgcgt ggccgtggag tgcctggccg cctgccgcgg 159180

gatcctggag gcgctggccg agggcttcga cggcgacctg gcggccgtcc cggggctggc 159240

cggggcccgg cccgccagcc ccccgcggcc ggagggaccc gcgggccccg cttccccgcc 159300

gccgccgcac gccgacgcgc cccgcctgcg cgcgtggctg cgcgagctgc ggttcgtgcg 159360

cgacgcgctg gtgctcatgc gcctgcgcgg ggacctgcgc gtggccggcg gcagcgaggc 159420

cgccgtggcc gccgtgcgcg ccgtgagcct ggtcgccggg gccctgggcc ccgcgctgcc 159480

gcgggacccg cgcctgccga gctccgcggc cgccgccgcc gcggacctgc tgtttgagaa 159540

ccagagcctg cgccccctgc tggcggcggc cgccagcgca ccggacgccg ccgacgcgct 159600

ggcggccgcc gccgcctccg ccgcgccgcg ggaggggcgc aagcgcaaga gtcccggccc 159660

ggcccggccg cccggaggcg gcggcccgcg acccccgaag acgaagaaga gcggcgcgga 159720

cgcccccggc tcggacgccc gcgccccccc ccccgcgccc ccctccacgc ccccggggcc 159780

cgagcccgcc cccgcccagc ccgcggcgcc ccgggccgcc gcggcgcagg cccgcccgcg 159840

ccccgtggcg ctgtcgcgcc ggcccgccga gggccccgac cccctgggcg gctggcggcg 159900

gcagcccccg gggcccagcc acacggcggc gcccgcggcc gccgccctgg aggcctactg 159960

ctccccgcgc gccgtggccg agctcacgga ccacccgctg ttccccgtcc cctggcgacc 160020

ggccctcatg tttgacccgc gggccctggc ctcgatcgcc gcgcggtgcg ccgggcccgc 160080

cgccgccgcc caggccgcgt gcggcggcgg cgacgacgac gataaccccc acccccacgg 160140

ggccgccggg ggccgcctct ttggcccccc gcgcgcctcg ggcccgctgc gccgcatggc 160200

ggcctggatg cgccagatcc ccgaccccga ggacgtgcgc gtggtggtgc tgtactcgcc 160260

gctgccgggc gaggacctgg ccggcggcgg ggcctcgggg gggccgccgg agtggtccgc 160320

cgagcgcggc gggctgtcct gcctgctggc ggccctggcc aaccggctgt gcgggccgga 160380

cacggccgcc tgggcgggca actggaccgg cgcccccgac gtgtcggcgc tgggcgcgca 160440

gggcgtgctg ctgctgtcca cgcgggacct ggccttcgcc ggggccgtgg agtttctggg 160500

gctgctcgcc agcgccggcg accggcggct catcgtggtc aacaccgtgc gcgcctgcga 160560

ctggcccgcc gacgggcccg cggtgtcgcg gcagcacgcc tacctggcgt gcgacctgct 160620

gcccgccgtg cagtgcgccg tgcgctggcc ggcggcgcgg gacctgcgcc gcacggtgct 160680

ggccccgggc cgcgtgttcg gcccgggggt cttcgcgcgc gtggaggccg cgcacgcgcg 160740

cctgtacccc gacgcgccgc cgctgcgcct gtgccgcggc ggcaacgtgc gctaccgcgt 160800

gcgcacgcgc ttcggcccgg acacgccggt gcccatgtcc ccgcgcgagt accgccgggc 160860

cgtgctgccg gcgctggacg gccgggcggc ggcctcgggg accaccgacg ccatggcgcc 160920

cggcgcgccg gacttctgcg aggaggaggc ccactcgcac cgcgcctgcg cgcgctgggg 160980

cctgggcgcg ccgctgcggc ccgtgtacgt ggcgctgggg cgcgaggcgg tgcgcgccgg 161040

cccggcccgg tggcgcgggc cgcggaggga cttttgcgcc cgcgccctgc tggagcccga 161100

cgacgacgcc cccccgctgg tgctgcgcgg cggcgacgac gacgacgacg gcccgggggc 161160

cctgccgccg gcgttgcccg ggattcgctg ggcctcggcc acgggccgca gcggcaccgt 161220

gctggcggcg gcgggggccg tggaggtgct gggggcggag gcgggcttgg ccacgccccc 161280

gcgacgggaa gttgtggact gggaaggcgc ctgggacgac gacgacggcg gcgcgttcga 161340

gggggacggg gtgctgtaac gggccgggac ggggcggggc gcttgcgaaa cccgaagacg 161400

caataaacga caacgacctg atttagtttt gcagtagcgt tgtttatttc gaggggcggg 161460

agggggcgag gggcgggagg gggcgagggg cgggaggggg cgaggggcgg gaggggcga 161520

ggggcgggag ggggcgaggg gcgggagggg gcgaggggcg ggaggggcg aggggcggga 161580

gggggcgagg ggcgggaggg ggcgaggggc gggaggggc gaggggcggg agggggcgag 161640

gggcgggagg gggcgagggg cgggaggggg cgaggggcgg gaggggcga ggggcgggag 161700

ggggcgaggg gcgggagggg gcgaggggcg ggaggggcg aggggcggga gggggcgagg 161760

ggcgggaggg ggcgaggggc ggtggtggtg cgcgggcgcc cccggagggt ttggatctct 161820

gacctgagat tggcggcact gaggtagaga tgcccgaacc cccccgaggg agcgcgggac 161880

gcggccgggg agggctgggg ccggggaggg ctggggccgg ggagggctgg ggccggggag 161940

ggctggggcc ggggagggct ggggccgggg agggctgggg ccggggaggg ctggggctgg 162000

ggagggctgg ggctggggag ggctggggcg gtggtgtgtg acaggagcgg cgtgttgcgc 162060

tgggggacgt ctggaggagc gggggggtgcg cggtgacgtg tggatgagga acaggagttg 162120

ttgcgcggtg agttgtcgct gtgagttgtg ttggtgggca ggtgtggtgg atgacgtgac 162180

gtgtgacgtg tggatgagga accggagtcg ccggtgcgcc gtgctgttgg tgttctgttg 162240

gtgttgttac acctgtggca gcccgggccc cccgcgggcg gggcggcgcg caaaaaaggc 162300

gggcggcggt ccgggcggcg tgcgcgcgcg cggcgggcgt tgggggagcg gggggaggag 162360

cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg gggggaggag 162420

cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg gggggaggag 162480

cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg gggggaggag 162540

cgggggggagg agcgggggga ggagcggaaa acgggccccc cccgaaacac acccccgggg 162600

ggtcgcgcgc ggccctttaa agcg 162624

<210> 7
<211> 159898
<212> DNA
<213> Artificial Sequence

<220>
<223> C172 from HSV-C134 Complete Viral Genome v1 Chimeric HSV expressing EphA2-Ecto-ML

<400> 7
agcccgggcc ccccgcgggc ggggcggcgc gcaaaaaagg cgggcggcgg tccgggcggc 60

gtgcgcgcgc gcggcgggcg ttggggagcg gggggaggag cgggggggagg agcgggggga 120

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 180

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 240

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 300

ggagcggaaa acgggccccc cccgaaacac acccccgggg ggtcgcgcgc ggccctttaa 360

agcgcggcgg cgcagcccgg gccccccgcg gccgagacga gcgagttaga caggcaagca 420

ctactcgcct ctgcacgcac atgcttgcct gtcaaactct accaccccgg cacgctctct 480

gtctccatgg cccgccgccg ccgccatcgc ggcccccgcc gcccccggcc gcccgggccc 540

acgggcgccg tcccaaccgc acagtcccag gtaaccgcct atgggaatga aagaccccac 600

ctgtaggttt ggcaagctag gatcaaggtc aggaacagag aaacaggaga atatgggcca 660

aacaggatat ctgtggtaag cagttcctgc cccgctcagg gccaagaaca gttggaacag 720

gagaatatgg gccaaacagg atatctgtgg taagcagttc ctgccccgct cagggccaag 780

aacagatggt ccccagatgc ggtcccgccc tcagcagttt ctagagaacc atcagatgtt 840

tccagggtgc cccaaggacc tgaaatgacc ctgtgcctta tttgaactaa ccaatcagtt 900

cgcttctcgc ttctgttcgc gcgcttctgc tccccgagct ctatataagc agagctggtt 960

tagtgaaccg tcagatcgcc tggagacgcc atccacgctg ttttgacctc catagaagac 1020

accgactcta gctagaggat ctcctaggaa gctggccgca caaagtggta ccggatcccg 1080

ggtcgaccat ggagctccgg gcagtcggtt tctgcctggc gctgctgtgg ggttgcgcgc 1140

tggcggccgc ggcggcacag ggaaaggaag ttgttttgtt ggacttcgca gcaatgaagg 1200

gagagctcgg ctggctcacg cacccctatg gcaaagggtg ggacctgatg cagaacatca 1260

tggacgacat gcctatctac atgtactcgg tgtgcaacgt ggtatccggc gaccaggaca 1320

actggctccg caccaactgg gtgtaccggg aggaggccga gcgcatcttt attgagctca 1380

agttcacggt gcgagactgt aacagcttcc cgggtggcgc cagctcatgc aaagagacct 1440

tcaacctcta ctatgcagag tcagatgtgg actatggcac caacttccag aagcgccagt 1500

tcaccaagat tgacaccatc gcccctgacg agatcacggt cagcagtgac ttcgaggctc 1560

gcaatgtcaa gctgaacgta gaggagcgca tggtggggcc ccttacccgg aagggcttct 1620

acctggcctt ccaggacatc ggcgcctgcg tggcgctgct ctccgttcgc gtctactaca 1680

agaagtgtcc cgagatgctg cagagcttgg ctcgcttccc cgagaccatt gctgtcgctg 1740

tctccgatac acaacccctg gccacggtgg ccggtacctg cgtggaccat gccgtggtgc 1800

cttatggggg cgaggggcct ctcatgcact gcacggtgga tggcgagtgg ctggtgccca 1860

tcgggcagtg cctgtgccag gaaggctacg agaaggtcga ggatgcctgc cgagcctgtt 1920

ctccaggatt cttcaagtct gaggcatctg agagcccttg cctggagtgt ccagagcata 1980

ccctgccatc cacagagggt gccacctcct gccagtgtga agaaggctat ttcagggcac 2040

ctgaggaccc actgtccatg tcttgcacac gtccaccctc tgcccccaac tacctcacgg 2100

ccattggcat gggtgccaaa gtagaactgc gttggacagc tcccaaggac actggtggcc 2160

gccaggacat tgtctacagt gtcacttgcg aacagtgctg gccagagtct ggcgagtgtg 2220

ggccctgtga ggcgagcgtg cgctattcag aacctcctca cgccctgacc cgcacgagtg 2280

tgacagtcag tgacctggag ccccacatga actatacctt cgctgtcgaa gcacgcaatg 2340

gtgtctcagg cctggtgact agccgaagct tccggactgc cagcgtcagt attaaccaaa 2400

cagagccccc caaagtgagg ctggaggacc gaagcaccac ctccctgagt gtcacctgga 2460

gcatcccggt gtcacagcag agccgtgtgt ggaagtacga agtcacctac cgcaagaagg 2520

gggatgccaa cagctataat gtgcgccgca cggaaggctt ctccgtgacc ctggatgacc 2580

ttgctccgga taccacgtac ctggtgcagg tgcaggcgct gacgcaggag ggccagggag 2640

ccggcagcaa agtgcacgag ttccagacac tgtccacgga aggatctggg aattcagaac 2700

aaaaactcat ctcagaagaa gatctaggag gcggcgggtc aggtggaggt ggctctggcg 2760

gtggcggtta aaattccgac tcactatagg gcgaattaat tccggagatc tctagatccg 2820

gagagacgat ggcaggagcc gcgcatatat acgcttggag ccagcccgcc ctcacagggc 2880

gggccgcctc gggggcggga ctggccaatc ggcggccgcc agcgcggcgg ggcccggcca 2940

accagcgtcc gccgagtctt cggggcccgg cccattgggc gggagttacc gcccaatggg 3000

ccgggccgcc cacttcccgg tatggtaatt aaaaacttgc aagaggcctt gttccgcttc 3060

ccggtatggt aattagaaac tcattaatgg gcggccccgg ccgcccttcc cgcttccggc 3120

aattcccgcg gcccttaatg ggcaaccccg gtattccccg cctcccgcgc cgcgcgtaac 3180

cactcccctg gggttccggg ttatgctaat tgctttttg gcggaacaca cggcccctcg 3240

cgcattggcc cgcgggtcgc tcaatgaacc cgcattggtc ccctggggtt ccgggtatgg 3300

taatgagttt cttcgggaag gcgggaagcc ccggggcacc gacgcaggcc aagcccctgt 3360

tgcgtcggtg ggaggggcat gctaatgggg ttctttgggg gacaccgggt tggtccccca 3420

aatcgggggc cgggccgtgc atgctaatga tattctttgg gggcgccggg ttggtccccg 3480

gggacggggc cgccccgcgg tgggcctgcc tcccctggga cgcgcggcca ttgggggaat 3540

cgtcactgcc gcccctttgg ggaggggaaa ggcgtggggt ataagttagc cctggcccga 3600

cagtctggtc gcatttgcac ctcggcactc ggagcgagac gcagcagcca ggcagactcg 3660

ggccgccccc tctccgcatc accacagaag ccccgcctac gttgcgaccc ccagggaccc 3720

tccgtccgcg accctccaac cgcatacgac ccccatggag ccccgccccg gagcgagtac 3780

ccgccggcct gagggccgcc cccagcgcga ggtgaggggc cgggcgccat gtctggggcg 3840

ccatattggg gggcgccata ttgggggggcg ccatgttggg ggacccccga cccttacact 3900

ggaaccggcc gccatgttgg gggacccccа ctcatacacg ggagccgggc gccatgttag 3960

ggggcgtgga accccgtgac actatatata cagggaccgg gggcgccatg ttaggggggcg 4020

cggaaccccc tgaccctata tatacaggga ccggggtcgc cctgttgggg gtcgccatgt 4080

gacccccctga ctttatatat acagaccccc caacacatac acatggcccc tttgactcag 4140

acgcagggcc cggggtcgcc gtgggacccc ctgactcata cacagagaca cgcccccaca 4200

acaaacacac agggaccggg gtcgccgtgt taggggggcgt ggtccccact gactcatacg 4260

cagggccccc ttactcacac gcatctaggg gggtggggag gagccgcccg ccatatttgg 4320

gggacgccgt gggacccccg actccggtgc gtctggaggg cgggagaaga gggaagaaga 4380

ggggtcggga tccaaaggac ggacccagac cacctttggt tgcagacccc tttctccccc 4440

ctcttccgag gccagcaggg gggcaggact ttgtgaggcg ggggggggga gaggggaac 4500

tcgtgggcgc tgattgacgc gggaaatccc cccattctta cccgcccccc ttttttccc 4560

cttagcccgc cccggatgtc tgggtgtttc cctgcgaccg agacctgccg gacagcagcg 4620

actctgaggc ggagaccgaa gtgggggggc ggggggacgc cgaccaccat gacgacgact 4680

ccgcctccga ggcggacagc acggacacgg aactgttcga gacggggctg ctggggccgc 4740

agggcgtgga tgggggggcg gtctcggggg ggagcccccc ccgcgaggaa gaccccggca 4800

gttgcggggg cgccccccct cgagaggacg gggggagcga cgagggcgac gtgtgcgccg 4860

tgtgcacgga tgagatcgcg ccccacctgc gctgcgacac cttcccgtgc atgcaccgct 4920

tctgcatccc gtgcatgaaa acctggatgc aattgcgcaa cacctgcccg ctgtgcaacg 4980

ccaagctggt gtacctgata gtgggcgtga cgcccagcgg gtcgttcagc accatcccga 5040

tcgtgaacga cccccagacc cgcatggagg ccgaggaggc cgtcagggcg ggcacggccg 5100

tggactttat ctggacgggc aatcagcggt tcgccccgcg gtacctgacc ctgggggggc 5160

acacggtgag ggccctgtcg cccacccacc ctgagcccac cacggacgag gatgacgacg 5220

acctggacga cggtgaggcg ggggggcggc gaggaccctg ggggaggagg aggaggaggg 5280

gggagggagg aataggcggg cgggggggcg aggaaagggc gggcgcggaa agggagggcc 5340

tgggaggggg cgtaacctga tcgcgccccc cgttgtctct tgcagcagac tacgtaccgc 5400

ccgccccccg ccggacgccc cgcgcccccc cacgcagagg cgccgccgcg ccccccgtga 5460

cgggcggggc gtctcacgca gccccccagc cggccgcggc tcggacagcg ccccccctcgg 5520

cgcccatcgg gccacacggc agcagtaaca ccaacaccac caccaacagc agcggcggcg 5580

gcggcggctc ccgccagtcg cgagccgcgg cgccgcgggg ggcgtctggc ccctccgggg 5640

gggttggggt tggggttggg gttgttgaag cggaggcggg gcggccgagg ggccggacgg 5700

gccccccttgt caacagaccc gccccccttg caaacaacag agaccccata gtgatcagcg 5760

actcccccccc ggcctctccc cacaggcccc ccgcggcgcc catgccaggc tccgcccccc 5820

gccccgggcc caccgcgtcc tcggccgcgt cgggacccgc gcgcccccgc gcggccgtgg 5880

ccccgtgcgt gcgagcgccg cctccggggc ccggcccccg cgccccggcc cccgcggacg 5940

cgcgccgtgt gccccagtcg cactcgtccc tggctcaggc cgcgaaccaa gaacagagtc 6000

tgtgccgggc gcgtgcgacg gtggcgcgcg gctcgggggg gccgggcgtg gagggtggac 6060

acgggccctc ccgcggcgcc gccccctccg gcgcccccccc gctcccctcc gccgcctctg 6120

tcgagcagga ggcggcggtg cgtccgagga agaggcgcgg gtcgggccag gaaaacccct 6180

ccccccagtc cacgcgtccc cccctcgcgc cggcaggggc caagagggcg gcgacgcacc 6240

ccccctccga ctcagggccg gggggcgcgg gccagggtgg gcccgggacc cccctgacgt 6300

cctcggcggc ctccgcctct tcctcctctg cctcttcctc ctcggccccg actcccgcgg 6360

gggccgcctc ttccgccgcc ggggccgcgt cctcctccgc ttccgcctcc tcgggcgggg 6420

ccgtcggtgc cctgggaggg agacaagagg aaacctccct cggcccccgc gctgcttctg 6480

ggccgcgggg gccgaggaag tgtgcccgga agacgcgcca cgcggagact tccggggccg 6540

cccccgcggg cggcctcacg cgctacctgc ccatctcggg ggtctctagc gtggtcgccc 6600

tgtcgcctta cgtgaacaag acgatcacgg gggactgcct gcccatcctg gacatggaga 6660

cggggaacat cggggcgtac gtggtcctgg tggaccagac gggaaacatg gcgacccggc 6720

tgcgggccgc ggtccccggc tggagccgcc gcaccctgct ccccgagacc gcgggtaacc 6780

acgtgatgcc ccccgagtac ccgacggccc ccgcgtcgga gtggaacagc ctctggatga 6840

cccccgtggg gaacatgctg ttcgaccagg gcaccctagt gggcgccctg gacttccgca 6900

gcctgcggtc tcggcacccg tggtccgggg agcaggggggc gtcgacccgg gacgagggaa 6960

aacaataagg gacgcccccc gtgtttgtgg ggaggggggg gtcgggcgct gggtggtctc 7020

tggccgcgcc cactacacca gccaatccgt gtcggggagg ggaaaagtga aagacacggg 7080

caccacacac cagcgggtct ttagtgttgg ccctaataaa aaactcaggg gatttttgct 7140

gtctattggg aaataaaggt ttacttttgt atcttttccc tgtctgtgtt ggatggatct 7200

cgggggtgcg tgggagtggg ggtgcgtggg agtgggggtg cgtgggagtg ggggtgcgtg 7260

ggagtggggg tgcgtgggag tgggggtgcg tgggagtggg ggtgcgtggg agtgggggtg 7320

cgtgggagtg ggggtgcgtg ggagtggggg tgccatgttg ggcaggctct ggtgttaacc 7380

acagagccgc ggcccgggct gcctgaccac cgatccccga aagcatcctg ccactggcat 7440

ggagccagaa ccacagtggg ttgggtgtgg gtgttaagtt tccgcgagcg cctgcccgcc 7500

cggactgacc tggcctctgg ccgccacaaa gggcgggggg gggttaacta cactataggg 7560

caacaaagga cgggaggggt ggcggggcgg gacggggcgc ccaaaagggg gtcggccaca 7620

ccacagacgt gggtgttggg gggtggggcg gaggggtggg gggggagaca gaaacaggaa 7680

catagttaga aaacaagaat gcggtgcagc cagagaatca caggagacga ggggatgggc 7740

gtgttggtta ccaacccaca cccaggcatg ctcggtggta tgaaggaggg ggggcggtgc 7800

ttcttagaga ccgccggggg acgtggggtt ggtgtgcaga ggcacgcgca cccgcgtcgg 7860

ccaggtgggc cggtacccca tccccctcc cccgaccctt cccacccccg cgtgccagag 7920

atcaccccgg tcccccggca cccgccactc ctccatatcc tcgctttagg aacaacttta 7980

ggggggggtac acacgcgccg tgcatttcct tccacacccc ccctcccccg cactcccccc 8040

cccccggcag taagacccaa gcatagagag ccaggcacaa aaacacaggc ggggtgggac 8100

acatgccttc ttggagtacg tgggtcattg gcgtgggggg ttacagcgac accggccgac 8160

cccctggcgg tcttccagcc ggcccttaga taaggggggca gttggtggtc ggacgggtaa 8220

gtaacagagt ctgactaagg gtgggagggg gggaaaagaa cgggctggtg tgctgtaaca 8280

cgagcccacc cgcgagtggc gtggccgacc ttagcctctg gggcgccccc tgtcgtttgg 8340

gtccccccccc tctattgggg agaagcaggt gtctaaccta cctggaaacg cggcgtcttt 8400

gttgaaccac accggggcgc ccttgacgag tgggataacg ggggaggaag ggagggagga 8460

gggtactggg ggtgaagaag gggggggggg gagaagcgag aacaggaaag gcgacggagc 8520

ccgacaaaac accgagaaaa aaaaaccaca gcgcatgcgc cgggccgttg tggggccccg 8580

ggccggggcc ccttgggtcc gccggggccc cgggccgggc cgccacgggg gccggccgtt 8640

ggcggtaacc ccgattgttt atctcaggcc ccgggccggg aacccggaaa agcctccggg 8700

gggccttttt cgcgtcgcgt gccggcgagc gggcccggac ggggcccgga ccgccgcggt 8760

cgggggcccc ctcgtcccgg gccgtacgcg gccttcgccc cgtgagggga cagacgaacg 8820

aaacattccg gcgacggaac gaaaaacacc ccagacgggt taaagaaaca gaaaccgcaa 8880

ccccccccac ccccgaaacg gggaaaacaa aaaacagacc agcggccggc cggcgcttag 8940

ggggaggatg tcgccgacgc cccttggccg ccccggctgc agggggggccc ggagagccgc 9000

ggcacccgga cgcgcccgga aagtctttcg caccacccgc gatcggcacg gccgcgcccc 9060

cgcttttata aaggctcaga tgacgcagca aaaacaggcc acagcaccac gtgggtaggt 9120

gatgtaattt tattttcctc gtctgcggcc taatggattt ccgggcgcgg tgcccctgtc 9180

tgcagagcac ttaacggatt gatatctcgc gggcacgcgc gcccttaatg gaccggcgcg 9240

gggcgggggg ccggataccc acacgggcgg gggggggggt gtcgcgggcc gtctgctggc 9300

ccgcggccac ataaacaatg actctgggcc tttctgcctc tgccgcttgt gtgtgcgcgc 9360

gccggctctg cggtgtcggc ggcggctgcg gcggctgcgg cggccgccgt gttcggtctc 9420

ggtagccggc cggcgggtgg actcgcgggg ggccggaggg tggaaggcag gggggtgtag 9480

gatgggtatc aggacttcca cttcccgtcc ttccatcccc cgttcccctc ggttgttcct 9540

cgccccccccc cacaccccgc cgctttccgt tggggttgtt attgttgtcg ggatcgtgcg 9600

ggccgggggt cgccggggca ggggcggggg cgggggtgct cgtcgatcga ccgggctcag 9660

tgggggcgtg gggtgggggg gaaaaggcga agagactggg ggtggggggg ggtgtcgggg 9720

gtggctgttt ttttttgtgg gtgtttttttg tggctgttcc cgtcccccgt cacccccctc 9780

cctccgtccc cccgtcgcgg gtgtttgtgt ttgtttattc cgacatcggt ttatttaaat 9840

aaacacagcc gttctgcgtg tctgttcttg cgtgtggctg ggggcttata tgtggggtcc 9900

cgggggcggg atggggttta gcggcggggg gcggcgcgcc ggacggggcg ctggagataa 9960

cggcccccgg ggaacggggg accggggctg ggtctcccga ggtgggtggg tgggcggcgg 10020

tggccgggcc gggccgggcc gggtgggcgg ggtttggaaa aacgaggagg aggaggagga 10080

gaaggagggg gggggagacg gggggaaagc aaggacacgg cccgggggggt gggagcgcgg 10140

gccgggccgc tcgtaagagc cgcgacccgg ccgccgggga gcgttgtcgc cgtcggtctg 10200

ccggcccccg tccctccctt ttttgaccaa ccagcgcccc ccccccctcac caccattcct 10260

accaccacca ccaccaccga cacctcccgc acacccccgc ccacactccc ccccccccacc 10320

caacccgcac cacgagcacg ggttgggggt agcaggggat caaaggggggg caaggccggc 10380

ggggcggttc gggggcgggg gcgggagacc gagtaggccc cgcccatccg cggcccctcc 10440

cggcagccac gccccccagc gtcgggtgtc acggggaaag agcaggggga gaggggagag 10500

ggggggagag gggagagggg gggagagggg agagggggggg agaggggaga gggggggaga 10560

ggggagaggg ggggagaggg gagaggggggg gagaggggag agggggggag aggggagagg 10620

gggggagagg ggagaggggg ggagagggga gagggggggga gaggggtat ataaaccaac 10680

gaaaagcgcg ggaacgggga tacggggctt gtgtggcacg acgtcgtggt tgtgttactg 10740

ggcaaacact tggggactgt aggtttctgt gggtgccgac cctaggcgct atggggattt 10800

tgggttgggt cgggcttatt gccgttgggg ttttgtgtgt gcgggggggc ttgtcttcaa 10860

ccgaatatgt tattcggagt cgggtggctc gagaggtggg ggatatatta aaggtgcctt 10920

gtgtgccgct cccgtctgac gatcttgatt ggcgttacga gacccccctcg gctataaact 10980

atgctttgat agacggtata tttttgcgtt atcactgtcc cggattggac acggtcttgt 11040

gggataggca tgcccagaag gcatattggg ttaacccctt tttatttgtg gcgggttttt 11100

tggaggactt gagtcacccc gcatttcctg ccaacaccca ggaaacagaa acgcgcttgg 11160

ccctttataa agagatacgc caggcgctgg acagtcgcaa gcaggccgcc agccacacac 11220

ctgtgaaggc tgggtgtgtg aactttgact attcgcgcac ccgccgctgt gtagggcgac 11280

aggatttggg acctaccaac ggaacgtctg gacggacccc ggttctgccg ccggacgatg 11340

aagcgggcct gcagccgaag cccctcacca cgccgccgcc catcatcgcc acgttggacc 11400

ccaccccgcg acgggacgcc gccgcaaaaa gcagacgccg acgaccccac tcccggcgca 11460

tctaatgatg ccgcgacgga aacccgtccg ggttcggggg gcgaaccggc cgcctgtcgc 11520

tcgtcagggc cggcgggcgc tcctcgccgc cctagaggct gtcccgctgg tgtgacgttt 11580

tcctcgtccg cgcccccga ccctcccatg gatttaacaa acgggggggt gtcgcctgtg 11640

gcgacctcgg cgcctctgga ctggaccacg tttcggcgtg tgtttctgat cgacgacgcg 11700

tggcggcccc tgttggagcc tgagctggcg aacccttaa ccgcccacct cctgaccgaa 11760

tataatcgtc ggtgccagac cgaagaggtg ctgccgccgc gggaggatgt gttttcgtgg 11820

actcgttatt gcacccccga cgaggtgcgc gtggttatca tcggccagga cccatatcac 11880

caccccggcc aggcgcacgg acttgcgttt agcgtgcgcg cgaacgtgcc gcctcccccg 11940

agtcttcgga atgtcttggc ggccgtcaag aactgttatc ccgaggcacg gatgagcggc 12000

cacggttgcc tggaaaagtg ggcgcgggac ggcgtcctgt tactaaacac gaccctgacc 12060

gtcaagcgcg gggcggcggc gtcccactct agaatcggtt gggaccgctt cgtgggcgga 12120

gttatccgcc ggttggccgc gcgccgcccc ggcctggtgt ttatgctctg gggcgcacat 12180

gcccagaatg ccatcaggcc ggaccctcgg gtccattgcg tcctcaagtt ttcgcacccg 12240

tcgcccctct ccaaggttcc gttcggaaca tgccagcatt tcctcgtggc gaatcgatat 12300

ctcgagaccc ggtcgatttc acccatcgac tggtcggttt gaaaggcatc gacgtccggg 12360

gttttcgtct gtgggggctt ttgggtattt ccgatgaata aagacggtta atggttaaac 12420

ctctggtctc atacgggtcg gtgatgtcgg gcgtcggggg agagggagtt ccctctgcgc 12480

ttgcgattct agcctcgtgg ggctggacgt tcgacacgcc aaaccacgag tcagggatat 12540

cgccagatac gactcccgca gattccattc ggggggccgc tgtggcctca cctgaccaac 12600

ctttacacgg gggcccggaa cgggaggcca cagcgccgtc tttctcccca acgcgcgcgg 12660

atgacggccc gccctgtacc gacgggccct acgtgacgtt tgataccctg tttatggtgt 12720

cgtcgatcga cgaattaggg cgtcgccagc tcacggacac catccgcaag gacctgcggt 12780

tgtcgctggc caagtttagc attgcgtgca ccaagacctc ctcgttttcg ggaaacgccc 12840

cgcgccacca cagacgcggg gcgttccagc gcggcacgcg ggcgccgcgc agcaacaaaa 12900

gccttcagat gtttgtgttg tgcaaacgca cccacgccgc tcgagtgcga gagcagcttc 12960

gggtcgttat tcagtcccgc aagccgcgca agtattacac gcgatcttcg gacgggcggc 13020

tctgccccgc cgtccccgtg ttcgtccacg agttcgtctc gtccgagcca atgcgcctcc 13080

accgagataa cgtcatgctg gcctcggggg ccgagtaacc gccccccgc gccaccctca 13140

ctgcccgtcg cgcgtgtttg atgttaataa ataacgcata aattatctta atagatctcc 13200

cgatccccta tggtgcactc tcagtacaat ctgctctgat gccgcatagt taagccagta 13260

tctgctccct gcttgtgtgt tggaggtcgc tgagtagtgc gcgagcaaaa tttaagctac 13320

aacaaggcaa ggcttgaccg acaattgcat gaagaatctg cttagggtta ggcgttttgc 13380

gctgcttcgc gatgtacggg ccagatatac gcgttgacat tgattattga ctagttatta 13440

atagtaatca attacggggt cattagttca tagcccatat atggagttcc acgttacata 13500

acttacggta aatggcccgc ctggctgacc gcccaacgac ccccgcccat tgacgtcaat 13560

aatgacgtat gttcccatag taacgccaat agggactttc cattgacgtc aatgggtgga 13620

gtatttacgg taaactgccc acttggcagt acatcaagtg tatcatatgc caagtacgcc 13680

ccctattgac gtcaatgacg gtaaatggcc cgcctggcat tatgcccagt acatgacctt 13740

atgggacttt cctacttggc agtacatcta cgtattagtc atcgctatta ccatggtgat 13800

gcggttttgg cagtacatca atgggcgtgg atagcggttt gactcacggg gatttccaag 13860

tctccacccc attgacgtca atgggagttt gttttggcac caaaatcaac gggactttcc 13920

aaaatgtcgt aacaactccg ccccattgac gcaaatgggc ggtaggcgtg tacggtggga 13980

ggtctatata agcagagctc tctggctaac tagagaaccc actgcttact ggcttatcga 14040

aattaatacg actcactata gggagaccca agctggctag ttaagcttgg taccgagctc 14100

ggatccacta gtccagtgtg gtggaattgc ccttggatcc tcaatggccc agcgcaacgg 14160

catgtcgccg cgcccccgc ccctcggtcg cggccgcggg gccggagggc cttcgggggt 14220

tggttcctct cctccttctt cttgtgtgcc gatgggagcg ccgtccacag cgggcactgg 14280

tgcgagtgct gcggctacga cgacgccggg ccacggcgtc caccgggtag aaccccgcgg 14340

gccgccgggc gcccctccga gtagcgacaa caatggcaac ttttggcacg gcccggagcg 14400

cctgttgctg tctcagattc cggtggagcg ccaggcgctg acggagctgg aataccaggc 14460

catgggcgcc gtgtggcgcg cggcgttttt ggccaacagc acgggccgcg ccatgcgcaa 14520

gtggtcgcag cgcgacgcgg gcacgctgct gccgctcgga cggccgtacg gattctacgc 14580

gcgggtgacg ccgcgcagcc agatgaacgg cgtgggcgcg acggacctgc gtcaactgtc 14640

gccgcgggac gcgtggatcg tactggtggc taccgtggtg cacgaggtgg accccgcagc 14700

cgacccgacg ttgggcgaca aggccggcca tcccgagggt ctgtgcgcgc aggacggact 14760

gtacctggcg ctgggcgccg ggttccgcgt gttcgtgtac gacctggcaa acaacacgct 14820

gatcctagcg gcgcgcgacg cggacgagtg gtttcggcac ggcgcgggcg aggtggtgcg 14880

gctgtaccgc tgcaaccggc tgggcgtggg caccccgcgc gcgacgctgc tgcctcagcc 14940

ggcgctccga cagacgttgc tgcgcgccga ggaggcgacg gcgctcggac gggagctgcg 15000

ccggcggtgg gccggcacga cggtggcgct gcagacgccg ggcaggcgac tgcagccgat 15060

ggtactgctg ggcgcgtggc aggagctggc gcagtacgag ccgttcgcgt cggcgccgca 15120

ccccgcgtcg ctgctgacgg ccgtgcgtcg gcacctgaac cagcgtctgt gctgcggctg 15180

gctggcgctg ggcgcggtgc tgcccgcgcg gtggctgggc tgcgcggcgg ggccggcgac 15240

ggggacggcg gcggggacga cgtcgccgcc agcggcgagc ggcacggaga cggaggccgc 15300

cggcggggac gcgccgtgcg cgatagcggg agccgtgggg tccgctgtac ctgtgcctcc 15360

gcagccgtac ggcgccgccg gcgggggcgc gatttgcgtg cctaacgcgg acgcgcacgc 15420

ggtggtcggg gcggacgcgg cagcagcagc ggcgccgacg gtgatggtgg gttcgacagc 15480

gatggcgggt ccggcggcgt cggggaccgt gccgcgcgcc atgctggtgg tgctgctgga 15540

cgagctgggc gccgtgttcg ggtactgccc gctggacggg cacgtgtacc cgctggcggc 15600

ggagctgtcg cactttctgc gcgcgggcgt gctgggcgcg ctggcgctgg gacgcgagtc 15660

ggcgcccgcc gccgaggccg cgcggcggct gctgcccgag ctggaccgcg agcagtggga 15720

gcggccgcgc tgggacgcgc tgcacctgca cccgcgcgcc gcgctgtggg cgcgcgagcc 15780

gcacgggcag tgggagttca tgtttcgcga acaacgcggt gaccccataa atgatcccct 15840

cgcatttcgt ctttcggacg ctcgaactct cggtctcgac ctcaccaccg tcatgacaga 15900

gcgtcaaagt caattgcccg aaaagtatat cggtttctat cagattagga aacctccttg 15960

gctcatggaa caacctccac ccccatctcg ccaaaccaaa ccggacgctg caacgatgcc 16020

cccaccgctc agtgctcagg caagcgtcag ctacgcgctc cgatacgatg acgagtcctg 16080

gcgcccgctc agcacagttg acgaccacaa agcctggttg gatctcgacg aatcacattg 16140

ggtcctcggg gacagccgac ccgacgatat aaaacaacgc agactgctga aggccactca 16200

acgacgaggc gccgaaatcg acagacccat gcctgtcgtg cctgaagaat gttacgacca 16260

acgcttcact accgaaggcc accaggtcat cccgttgtgc gcgtccgaac ccgaggatga 16320

cgacgaagat cctacctacg acgaattgcc gtcgcgccca ccccagaaac ataagccgcc 16380

agacaaacct ccgcgcttat gcaaaacggg ccccggccca cctccgctgc cgccaaagca 16440

acggcacggt tccaccgacg gaaaagtttc tgcgccccga cagtcggagc atcataaaag 16500

acagacccga ccgccaaggc cgccaccgcc caaattcggg gatagaaccg cggcccatct 16560

ctcgcaaaat atgcgggaca tgtacctcga tatgtgtaca tcttcgggcc acaggccacg 16620

gccgccagca cctccgcggc cgaaaaaatg tcaaacacac gcccctcacc acgttcatca 16680

taagcttaag ggcaattctg cagatatcca gcacagtggc ggccgctcga gtctagaggg 16740

cccgcggttc gaaggtaagc ctatccctaa ccctctcctc ggtctcgatt ctacgcgtac 16800

cggtcatcat caccatcacc attgagttta aacccgctga tcagcctcga ctgtgccttc 16860

tagttgccag ccatctgttg tttgcccctc ccccgtgcct tccttgaccc tggaaggtgc 16920

cactcccact gtcctttcct aataaaatga ggaaattgca tcgcattgtc tgagtaggtg 16980

tcattctatt ctgggggggtg gggtggggca ggacagcaag ggggaggatt gggaagacaa 17040

tagcaggcat gctggggatg cggtgggctc tatggcttct gaggcggaaa gaaccagctg 17100

gggctctagg gggtatcccc acgcgccctg tagcggcgca ttaagcgcgg cgggtgtggt 17160

ggttacgcgc agcgtgaccg ctacacttgc cagcgcccta gcgcccgctc ctttcgcttt 17220

cttcccttcc tttctcgcca cgttcgccgg ctttccccgt caagctctaa atcgggggct 17280

ccctttaggg ttccgattta gtgctttacg gcacctcgac cccaaaaaac ttgattaggg 17340

tgatggttca cgtagtgggc catcgccctg atagacggtt tttcgccctt tgacgttgga 17400

gtccacgttc tttaatagtg gactcttgtt ccaaactgga acaacactca accctatctc 17460

ggtctattct tttgatttat aagggatttt gccgatttcg gcctattggt taaaaaatga 17520

gctgatttaa caaaaattta acgcgaatta attctgtgga atgtgtgtca gttagggtgt 17580

ggaaagtccc caggctcccc agcaggcaga agtatgcaaa gcatgcatct caattagtca 17640

gcaaccaggt gtggaaagtc cccaggctcc ccagcaggca gaagtatgca aagcatgcat 17700

ctcaattagt cagcaaccat agtcccgccc ctaactccgc ccatcccgcc cctaactccg 17760

cccagttccg cccattctcc gccccatggc tgactaattt tttttattta tgcagaggcc 17820

gaggccgcct ctgcctctga gctattccag aagtagtgag gaggcttttt tggaggccta 17880

gtattaagga atttggctgg ttgtttgttg tctttaatgg accgcccgca gggggggtgg 17940

catttcagtg tcgggtgacg agcgcgatcc ggccgggatc ctaggacccc aaaagtttgt 18000

ctgcgtattc cagggcgggg ctcagttgaa tctcccgcag cacctctacc agcaggtccg 18060

cggtgggctg gagaaactcg gccgtcccgg ggcaggcggt cgtcgggggt ggaggcgcgg 18120

cgcccacccc gtgtgccgcg cctggcgtct cctctggggg cgacccgtaa atggttgcag 18180

tgatgtaaat ggtgtccgcg gtccagacca cggtcaaaat gccggccgtg gcgctccggg 18240

cgctttcgcc gcgcgaggag ctgacccagg agtcgaacgg atacgcgtac atatgggcgt 18300

cccacccgcg ttcgagcttc tggttgctgt cccggcctat aaagcggtag gcacaaaatt 18360

cggcgcgaca gtcgataatc accaacagcc caatgggggt gtgttggata acaacgcctc 18420

cgcgcggcag gcggtcctgg cgctcccggc cccgtaccat gatcgcgcgg gtgccgtact 18480

caaaaacatg caccacctgc gcggcgtcgg gcagtgcgct ggtcagcgag gccctggcgt 18540

ggcataggct atacgcgatg gtcgtctgtg gattggacat ctcgcggtgg gtagtgagtc 18600

ccccgggccg ggttcggtgg aactgtaagg ggacggcggg ttaatataca atgaccacgt 18660

tcggatcgcg cagagccgat agtatgtgct tactaatgac gtcatcgcgc tcgtggcgct 18720

cccggagcgg atttaagttc atgcgaagga attcggagga ggtggtgcgg gacatggcca 18780

cgtacgcgct gttgaggcgc aggttgccgg gcgtaaagca gatggcgacc ttgtccaggc 18840

taaggccctg ggagcgcgtg atggtcatgg caagcttgga gctgatgccg tagtcggcgt 18900

ttatggccat ggccagctcc gtagagtcaa tggactcgac aaactcgctg atgttggtgt 18960

tgacgacgga catgaagccg tgttggtccc gcaagaccac gtaaggcagg ggggcctctt 19020

ccagtaactc ggccacgttg gccgtcgcgt gccgcctccg cagctcgtcc gcaaaggcaa 19080

acacccgtgc gtacgtgtat cccatgagcg tataattgtc cgtctgcagg gcgacggaca 19140

tcagcccccc gcgcggcgag ccggtcagca tctcgcagcc ccggaagata acgttgtcca 19200

cgtacgtgct aaaggggggcg ccttcaaatg cctccccaaa gagctcttgg aggattcgga 19260

atctcccgag gaaggcccgc ttcagcagcg caaactgggt gtgaacggcg gcggtggtct 19320

ccggttcccc gggggtgtag tggcagtaaa acacgtcgag ctgttgttcg tccagccccg 19380

cgaaaataac gtcgaggtcg tcgtcgggaa aatcgtccgg gcccccgtcc cgcggcccca 19440

gttgcttaaa atcaaacgca cgctcgccgg gggcgcctgc gtcggccatt accgacgcct 19500

gcgtcggcac ccccgaagat ttggggcgca gagacagaat ctccgccgtt agttctccca 19560

tgcgggcgta ggcgagggtc ctctgggtcg catccaggcc cgggcgctgc agaaagttgt 19620

aaaaggagat aagcccgcta aatatgagcc gcgacaggaa cctgtaggca aactccaccg 19680

aagtctcccc ctgagtcttt acaaagctgt cgtcacgcaa cactgcctcg aaggcccgga 19740

acgtcccact aaacccaaaa accagttttc gcaggcgcgc ggttaccgcg atctggctgt 19800

tgaggacgta agtgacgtcg ttgcgggcca cgaccagctg ctgtttgctg tgcacctcgc 19860

agcgcatgtg ccccgcgtcc tggtcctggc tctgcgagta gttggtgatg cggctggcgt 19920

tggccgtgag ccacttttca atagtcaggc cgggctggtg tgtcagccgt cggtattcgt 19980

caaactcctt gaccgacacg aacgtaagca cggggagggt gaacacgaca aactcccccct 20040

cacgggtcac cttcaggtag gcgtggagct tggccatgta cgcgctcacc tctttgtggg 20100

aggagaacaa ccgcgtccag ccggggaggt tggcggggtt ggtgatgtag ttttccggga 20160

cgacgaagcg atccacgaac tgcatgtgct cctcggtgat gggtaggccg tactccagca 20220

ccttcatgag gttaccgaac tcgtgctcga tgcaccgttt gttgttaata aaaatggccc 20280

agctatacga gaggcgggcg tactcccgca gcgtgcggtt gcagatgagg tacgtgagca 20340

cgttctcgct ctggcggacg gaacaccgca gtttctggtg ctcgaaggtc gactccaggg 20400

acgccgtctg tgtcggcgag cccacacaca ccaacacggg ccgcaggcgg gccgcgtact 20460

ggggggtgtg gtacagggcg ttaatcatcc accagcaata caccacggcc gtgaggaggt 20520

gacgcccaag gagcccggcc tcgtcgatga cgatcacgtt gctgcgggta aaggccggca 20580

gcgccccgtg ggtggccggg gccaaccgcg tcagggcgcc ctcggccaac cccagggtcc 20640

gttccagggc ggccagggcg cgaaactcgt tccgcgactc ctcgcccccg gaggcggcca 20700

gggtgcgctt cgtgaggtcc aaaatcacct cccagtagta cgtcagatct cgtcgctgca 20760

ggtcctccag cgaggcgggg ttgctggtca gggtgtacgg gtactgcccc agttgggcct 20820

ggacgtgatt cccgcgaaac ccaaattcat gaaagatggt gttgatgggt cggctgagaa 20880

aggcgcccga gagtttggcg tacatgtttt gggccgcaat gcgcgtggcg cccgtcacca 20940

cacagtccaa gacctcgttg attgtctgca cgcacgtgct ctttccggag ccagcgttgc 21000

cggtgataag atacaccgcg aacggaaact ccctgagggg caggcctgcg ggggactcta 21060

aggccgccac gtcccggaac cactgcagac ggggcacttg cgctccgtcg agctgttgtt 21120

gcgagagctc tcggatgcgc ttaaggattg gctgcacccc gtgcatagac gtaaaattta 21180

aaaaggcctc ggccctccct ggaacggctg gtcggtcccc gggttgctga aggtgcggcg 21240

ggccgggtct ctgtccgtct agctggcgct ccccgccggc cgccgccatg accgcaccac 21300

gctcgcgggc ccccactacg cgtgcgcggg gggacacgga agcgctgtgc tcccccgagg 21360

acggctgggt aaaggttcac cccacccccg gtacgatgct gttccgcgag attctccacg 21420

ggcagctggg gtataccgag ggccaggggg tgtacaacgt cgtccggtcc agcgaggcga 21480

ccacccggca gctgcaggcg gcgatctttc acgcgctcct caacgccacc acttaccggg 21540

acctcgaggc ggactggctc ggccacgtgg cggcccgcgg tctgcagccc caacggctgg 21600

ttcgccggta caggaacgcc cgggaggcgg atatcgccgg ggtggccgag cgggtgttcg 21660

acacgtggcg gaacacgctt aggacgacgc tgctggactt tgcccacggg ttggtcgcct 21720

gctttgcgcc gggcggcccg agcggcccgt caagcttccc caaatatatc gactggctga 21780

cgtgcctggg gttggtcccc atattacgca agcgacaaga agggggtgtg acgcagggtc 21840

tgagggcgtt tctcaagcag cacccgctga cccgccagct ggccacggtc gcggaggccg 21900

cggagcgcgc cggccccggg ttttttgagc tggcgctggc cttcgactcc acgcgcgtgg 21960

cggactacga ccgcgtgtat atttactaca accaccgccg gggcgactgg ctcgtgcgag 22020

accccatcag cgggcagcgc ggagaatgtc tggtgctgtg gcctcccttg tggaccgggg 22080

accgtctggt cttcgattcg cccgtacagc ggctgtttcc cgagatcgtc gcgtgtcact 22140

ccctccggga acacgcgcac gtctgccggc tgcgcaatac cgcgtccgtc aaggtgctgc 22200

tggggcgcaa gagcgacagc gagcgcgggg tggccggcgc cgcgcgggtc gttaacaagg 22260

tgttgggggа ggacgacgag accaaggccg ggtcggccgc ctcgcgcctc gtgcggctta 22320

tcatcaacat gaagggcatg cgccacgtag gcgacattaa cgacactgtg cgtgcctacc 22380

tcgacgaggc cgggggggcac ctgatagacg ccccggccgt cgacggtacc ctcccgggat 22440

tcggcaaggg cggaaacagc cgcgggtctg cgggccagga ccaggggggg cgggcgccgc 22500

agcttcgcca ggccttccgc acggccgtgg ttaacaacat caacggcgtg ttggagggct 22560

atataaataa cctgtttgga accatcgagc gcctgcgcga gaccaacgcg ggcctggcga 22620

cccagttgca ggagcgcgac cgcgagctcc ggcgcgcaac atcgggggcc ctggagcgcc 22680

agcagcgcgc ggccgacctg gcggccgagt ccgtgaccgg gggatgcggc agccgccctg 22740

cgggggcgga cctgctccgg gccgactatg acattatcga cgtcagcaag tccatggacg 22800

acgacacgta cgtcgccaac agttttcagc acccgtacat cccttcgtac gcccaggacc 22860

tggagcgcct gtcgcgcctc tgggagcacg agctggtgcg ctgtttcaaa attctgtgtc 22920

accgcaacaa ccagggccaa gagacgtcga tctcgtactc cagcggggcg atcgccgcat 22980

tcgtcgcccc ctactttgag tcagtgcttc gggcccccg ggtaggcgcg cccatcacgg 23040

gctccgatgt catcctgggg gaggaggagt tatgggatgc ggtgtttaag aaaacccgcc 23100

tgcaaacgta cctgacagac atcgcggccc tgttcgtcgc ggacgtccag cacgcagcgc 23160

tgcccccgcc cccctccccg gtcggcgccg atttccggcc cggcgcgtcc ccgcggggcc 23220

ggtccagatc gcggtcgccc ggaagaactg cgcgaggcgc gccggaccag ggcgggggca 23280

tcgggcaccg ggatggccgc cgcgacggcc gacgatgagg ggtcggccgc caccatcctc 23340

aagcaggcca tcgccgggga ccgcagcctg gtcgaggcgg ccgaggcgat tagccagcag 23400

acgctgctcc gcctggcctg cgaggtgcgc caggtcggcg accgccagcc gcggtttacc 23460

gccaccagca tcgcgcgcgt cgacgtcgcg cctgggtgcc ggttgcggtt cgttctggac 23520

gggagtcccg aggacgccta tgtgacgtcg gaggattact ttaagcgctg ctgcggccag 23580

tccagttatc gcggcttcgc ggtggcggtc ctgacggcca acgaggacca cgtgcacagc 23640

ctggccgtgc ccccctcgt tctgctgcac cggttctccc tgttcaaccc cagggacctc 23700

ctggactttg agcttgcctg tctgctgatg tacctggaga actgcccccg aagccacgcc 23760

accccgtcga cctttgccaa ggttctggcg tggctcgggg tcgcgggtcg ccgcacgtcc 23820

ccattcgaac gcgttcgctg ccttttcctc cgcagttgcc actgggtcct aaacacactc 23880

atgttcatgg tgcacgtaaa accgttcgac gacgagttcg tcctgcccca ctggtacatg 23940

gcccggtacc tgctggccaa caacccgccc cccgttctct cggccctgtt ctgtgccacc 24000

ccgacaagct cctcattccg gctgccgggg ccgccccccc gctccgactg cgtggcctat 24060

aaccccgccg ggatcatggg gagctgctgg gcgtcggagg aggtgcgcgc gcctctggtc 24120

tattggtggc tttcggagac cccaaaacga cagacgtcgt cgctgtttta tcagttttgt 24180

tgaattttag gaaataaacc cggttttgtt tctgtggcct cccgacggat gcgcgtgtcc 24240

ttactccgtc ttggtgggtg ggtggctgtg tatggcgtcc catctgtgcg gggaggggg 24300

caagtcggca cgtattcgga cagactcaag cacacacggg ggagcgctct tgtctcaggg 24360

caatgttttt attggtcaaa ctcaggcaaa cagaaacgac atcttgtcgt caaagggata 24420

cacaaacttc ccccccctcgc cccatactcc cgccagcacc ccggtaaaca ccaactcaat 24480

ctcgcgcagg atttcgcgca ggtgatgagc gcagtccacg gggggggagca caaggggccg 24540

cgggtataga tcgacgggga cgccgaccga ctccccgcct ccgggacaga cacgcacgac 24600

gcgccgccag tagtgctctg cgtccagcaa ggcgccgccg cggaaggcag tgggggggcaa 24660

ggggtcgctg gcctcaaagg gggacacccg aacgctccag tactccgcgt ccaaccgttt 24720

attaaacgcg tccaagataa ggcggtcgca ggcgtcctcc ataaggcccc gggccgtgag 24780

tgcgtcctcc tccggcacgc ctgccgttgt caggcccagg acccgtcgca gcgtgtcgcg 24840

tacgaccccg gccgccgtgg tgtacgcggg cccgcggaga ggaaatcccc caagatggtc 24900

agtgttgtcg cgggagttcc agaaccacac tcccgcctgg ctccaggcga ctgcgtgggt 24960

gtagacgccc tcgagggcca ggcacagtgg gtgccgcagc cggaggccgt tggccctaag 25020

cacggctccc acggccgtct cgatggcccg ccgggcgtcc tcgatcaccc cggaagccgc 25080

atccgcgtct tgggggtcca cgttaaagac accccagaac gcacccccat cgcccccgca 25140

gaccgcgaac ttcaccgagc tggccgtctc ctcgatctgc aggcagacgg cggccattac 25200

cccacccagg agctgccgca gcgcagggca ggcgttgcac gtgtccggga ccaggcgctc 25260

caagacggcc ccggcccagg gctctgaggg agcggccacc accagcgcgt ccagtcttgc 25320

taggcccgtc cggccgtggg ggtccgccag cccgctcccc ccgaggtcgg ccagggccgc 25380

caggagctgg gcgcgaagtc cggggaagca aaaccgcgcc gtccagacgg gcccgacggc 25440

cgcgggcggg tctaacagtt ggatgatttt agtggcggga tgccaccgcg ccaccgcctc 25500

ccgcactgcg ggcaggaggc atccggctgc cgccgaggcc acgccgggcc aggctcgcgg 25560

ggggaggacg accctgaccc ccaccgcggg ccaggccccc aggagcgcgg cgtaagcggc 25620

cgcggccccg cgcaccaggt cccgtgccga ctcggccgtg gccggcacgg tgaacgtggg 25680

ccaacccgga aaccccagga cggcaaagta cgggacgggt ccccccccgga cctcaaactc 25740

gggccccaga aaggcaaaga cgggggccag ggccccgggg gcggcgtgga ccgtggtatg 25800

ccactgccgg aaaagggcga cgagcgccgg cgcggagaac ttctcgccgg cgcttacaaa 25860

gtagtcgtaa tcgcggggca gcagcacccg tgccgtgact cgttgcgggt gcccgcgtgg 25920

ccgcaggccc acctcgcaca cctcgaccag gtccccgaac gcgccctcct tcttgatcgg 25980

cggaaacgca agagtctggt attcgcgcgc aaatagcgcg gttccggtgg tgatgttaac 26040

ggtcagcgaa gcggtggacg cgcactgggg ggtgtcgcga atggccgcca ggcgcgccca 26100

cgccagccgc gcgtcgggat gctcggcaac gcgcgccgcc agggccatag ggtcgatgtc 26160

aatgttggcc tccgcgacca ggagagcggc gcgaggggcg gcgggcgggc cccacgacgc 26220

tctctcaact ttcaccacca gtcccgtgcg tgggtccgag ccgatacgca gcggggcgaa 26280

cagggccacc ggcccggtct ggcgctccag ggccgccagg acgcacgcgt acagcgcccg 26340

ccacagagtc gggttctcca ggggctccag cggggaggcg gccggcgtcg tcgcggcgcg 26400

ggcggccgcc acgacggcct ggacggagac gtccgcggag ccgtagaaat cccgcagctc 26460

cgtcgcggtg acggagacct ccgcaaagcg cgcgcgaccc tcccctgcgg cgttgcgaca 26520

tacaaaatac accagggcgt ggaagtactc gcgagcgcgg gggggcagcc ataccgcgta 26580

aagggtaatg gcgctgacgc tctcctccac ccacacgata tctgcggtgt ccatcgcacg 26640

gcccctaagg atcacgggcg gtctgtgggt cccatgctgc cgtgcctggc cgggcccggt 26700

gggttgcgga aaccggtgac gggggggggg gcggtttttg gggttggggt gggaaacggc 26760

ccgggtccgg gggccaactt ggcccctcgg tgcgttccgg caacagcgcc gccggtccgc 26820

ggacgaccac gtaccgaacg agtgcggtcc cgagacttat agggtgctaa agttcaccgc 26880

cccctgcatc atgggccagg cctcggtggg gagctccgac agcgccgcct ccaggatgat 26940

gtcagcgttg gggttggcgc tggatgagtg cgtgcgcaaa cagcgccccc acgcgggcac 27000

gcgtagcttg aagcgcgcgc ccgcaaactc ccgcttgtgg gccataagca gggcgtacag 27060

ctgcctgtgg gtccggcagg cgctgtggtc gatgtggtgg gcgtccaaca accccacgat 27120

tgtctgtttg gtgaggtttt taacgcgccc cgccccggga aacgtctgcg tgcttttggc 27180

catctgcacg ccaaacagtt cgccccagat tatcttgaac agcgccaccg cgtggtccgt 27240

ctcactaacg gacccgcgcg ggggacagcc gcttagggcg tcggcgacgc gcttgacggc 27300

ttcctccgag agcagaagtc cgtcggttac gttacagtgg cccagttcga acaccagctg 27360

catgtagcgg tcgtagtggg gggtcagcag gtccagcacg tcatcggggc cgaaggtcct 27420

cccagatccc ccggccgccg agtcccaatg caggcgcgcg gccatggtgc tgcacaggca 27480

caacagctcc cagacagggg ttacgttcag ggtgggggggc agggccacga gctccagctc 27540

tccggtgacg ttgatcgtgg ggatgacgcc cgtggcgtag tggtcataga tccgccgaaa 27600

tatggcgctg ctgcgggtgg ccatgggaac gcggagacag gcctccagca acgccaggta 27660

aataaaccgc gtgcgtccca tcaggctgtt gaggttgcgc atgagcgcga caatttccgc 27720

cggcgcgaca tcggaccgga ggtatttttc gacgaaaaga cccacctcct ccgtctcggc 27780

ggcctgggcc ggcagcgacg cctcgggatc ccggcaccgc agctcccgta gatcgcgctg 27840

ggccctgagg gcgtcgaaat gtacgccccg caaaaacaga cagaagtcct ttggggtcag 27900

ggtatcgtcg tgtccccaga agcgcacgcg tatgcagttt agggtcagca gcatgtgaag 27960

gatgttaagg ctgtccgaga gacacgccag cgtgcatctc tcaaagtagt gtttgtaacg 28020

gaatttgttg tagatgcgcg acccccgccc cagcgacgtg tcgcatgccg acgcgtcaca 28080

gcgccccttg aaccggcgac acagcaggtt tgtgacctgg gagaactgcg cgggccactg 28140

gccgcaggaa ctgaccacgt ggttcaggag catgggcgta aagacgggct ccgagcgcgc 28200

cccggagccg tccatgtaaa tcagtagctc ccccttgcgg agggtgcgca cccgtcccag 28260

ggactggtac acggacacca tgtccggtcc gtagttcatg ggtttcacgt aggcgaacat 28320

gccatcaaag tgcaggggat cgaagctgag gcccacggtt acgaccgtcg tgtatataac 28380

cacgcggtat tggccccacg tggtcacgtc cccgaggggg gtgagcgagt gaagcaacag 28440

cacgcggtcc gtaaactgac ggcagaaccg ggccacgatc tccgcgaagg agaccgtcga 28500

cgaaaaaatg cagatgttat cgcccccgcc aaggcgcgct tccagctccc caaagaacgt 28560

ggcccccggg gcgtccggag aggcgtccgg agacgggccg ctcggcggcc cgggcgggcg 28620

cagggcagcc tgcaggagct cggtccccag acgcgggaga aacaggcacc ggcgcgccga 28680

aaacccgggc atggcgtact cgccgaccac cacatgcacg ttttttttcgc cccggagacc 28740

gcacaggaag tccaccaact gcgcgttggc ggttgcgtcc atggcgatga tccgaggaca 28800

tgtgcgcagc aggcgtagca ttaacgcatc cacgcggccc agttgctgca tcgttggcga 28860

atagagctgg cccagcgtcg acataacctc gtccagaacg aggacgtcgt agttgttcag 28920

aaggttgggg cccacgcgat gaaggctttc cacctggacg ataagtcggt ggaaggggcg 28980

gtcgttcata atgtaattgg tggatgagaa gtaggtgaca aagtcgacca ggcctgactc 29040

agcgaaccgc gtcgccaggg tctgggtaaa actccgacga caggagacga cgagcacact 29100

cgtgtccgga gagtggatcg cttcccgcag ccagcggatc agcgcggtag tttttcccga 29160

ccccattggc gcgcggacca cagtcacgca cctggccgtc ggggcgctcg cgttggggaa 29220

ggtgacgggt ccgtgctgct gccgctcgat cgttgttttc gggtgaaccc ggggcaccca 29280

ttcggccaaa tccccccccgt ataacatccg cgctagcgat acgctcgacg tgtactgttc 29340

gcactcgtcg tccccaatgg gacgcccggc ccccagagga tcccccgact ccgcgccccc 29400

cacgaaaggc atgaccgggg cgcggacggc gtggtgggtc tggtgtgtgc aggtggcgac 29460

gtttgtggtc tctgcggtct gcgtcacggg gctcctcgtc ctggcctctg tgttccgggc 29520

acggtttccc tgcttttacg ccacggcgag ctcttatgcc ggggttaact ccacggccga 29580

ggtgcgcggg ggtgtagccg tgcccctcag gttggacacg cagagccttg tgggcactta 29640

tgtaatcacg gccgtattgt tgttggccgc ggccgtgtat gccgtggtcg gcgccgtgac 29700

ctcccgctac gaccgcgccc tggacgcggg ccgccgtctg gctgcggccc gcatggccat 29760

gccgcacgcc acgctgatcg ccggaaacgt ctgctcttgg ttgctgcaga tcaccgtcct 29820

gctgctggcc catcgcatca gccagctggc ccacctggtt tacgtcctgc actttgcgtg 29880

tctggtgtat tttgcggccc atttttgcac caggggggtc ctgagcggga cgtatctgcg 29940

tcaggtgcac ggcctgatgg agctggcccc gacccatcat cgcgtcgtcg gcccggctcg 30000

cgccgtgctg acaaacgcct tgctgttggg cgtcttcctg tgcacggccg acgccgcggt 30060

atccctgaat accatcgccg cgttcaactt taatttttcg gccccgggca tgctcatctg 30120

cctgaccgtg ctgttcgcca ttctcgtcgt atcgctgttg ttggtggtcg agggggtgtt 30180

gtgtcactac gtgcgcgtgt tggtgggccc ccacctgggg gccgttgccg ccacgggcat 30240

cgtcggcctg gcctgcgagc actattacac caacggctac tacgtggtgg agacgcagtg 30300

gccgggggca cagacgggag tgcgcgtcgc cctcgccctg gtcgccgcct ttgccctcgg 30360

catggccgtg ctccgctgca cccgcgccta tctgtatcac aggcggcacc acaccaaatt 30420

ttttatgcgc atgcgcgaca cgcgacaccg cgcacattcc gccctcaagc gcgtacgcag 30480

ttccatgcgc ggatcgcgag acggccgcca caggcccgcg cccggcagcc cgcccgggat 30540

tcccgaatat gcggaagacc cctacgcgat ctcatacggc ggccagctcg accggtacgg 30600

agattccgac ggggagccga tttacgacga ggtggcggac gaccaaaccg acgtattgta 30660

cgccaagata caacacccgc ggcacctgcc cgacgacgag cccatctatg acaccgttgg 30720

ggggtacgac cccgagcccg ccgaggaccc cgtgtacagc accgtccgcc gttggtagct 30780

gtttggttcc gttttaataa accgtttgtg tttaacccga ccgtggtgta tgtctggtgt 30840

gtggcgtccg atcccgttac tatcaccgtc ccccccccctc aaccccggcg attgtgggtt 30900

ttttaaaaac gacacgcgtg cgaccgtata cagaacatta ttttggtttt tattcgctat 30960

cggacatggg gggtggaaac tgggtggcgg ggcaggcgcc tccgggggtc cgccggtgag 31020

tgtggcgcga gggggggtcc gacgaacgca ggcgcggtct ccccggggcc cgcgtaacca 31080

cgcgcatatc cgggggcacg tagaaattac cttcctcttc ggactcgata tccacgacgt 31140

caaagtcgtg ggcggtcagc gagacgacct ccccgtcgtc ggtgatgagg acgttgtttc 31200

ggcagcagca gggccgggcc ccggagaacg agaggcccat agctcggcga gcgtgtcgtc 31260

gaacgccagg cggctgcttc gctggatggc cttatagatc tccggatcga tgcggacggg 31320

ggtaatgatc agggcgatcg gaacggcctg gttcgggaga atggacgcct tgctgggtcc 31380

tgcggccccg agagccccgg cgccgtcctc caggcggaac gttacgccct cctccgcgct 31440

ggtgcggtgc ctgccgataa acgtcaccag atgcgggtgg ggggggcagt cggggaagtg 31500

gctgtcgagc acgtagccct gcaccaagat ctgcttaaag ttcgggtggc gggggttcgc 31560

gaagacgggc tcgcggcgga ccagatcccc ggagctccag gacacggggg agatggtgtg 31620

gcgtccgagg tcgggggcgc caaacagaag cacctccgag acaacgccgc tatttaactc 31680

caccaaggcc cgatccgcgg cggagcaccg cctttttttcg cccgaggcgt gggcctctga 31740

ccaggcctgg tcttgcgtga cgagagcctc ctccgggccg gggacgcgcc cgggcgcgaa 31800

gtatcgcacg ctgggcttcg ggatcgaccg gataaatgcc cggaacgcct ccggggaccg 31860

gtgtgccatc aagtcctcgt acgcggaggc cgtggggtcg ctggggtcca tggggtcgaa 31920

agcgtacttg gcccggcatt tgacctcgta aaaggccagg ggggtcttgg ggactggggc 31980

caggtagccg tgaatgtccc gaggacagac gagaatatcc agggacgccc cgaccatccc 32040

cgtgtgaccg tccatgagga ccccacacgt atgcacgttc tcttcggcga ggtcgctggg 32100

ttcgtggaag ataaagcgcc gcgtgtcggc gccggcctcg ccgccgtcgt ccgcgcggcc 32160

cacgcagtag cgaaacagca ggcttcgggc cgtcggctcg ttcacccgcc cgaacatcac 32220

cgccgaagac tgtacatccg gtcgcaggct ggcgttgtgc ttcagccact ggggcgagaa 32280

acacggaccc tgggggcccc agcggagggt ggatgcggtc gtgaggcccc gccggagcag 32340

ggcccatagc tggcagtcgg cctggttttg cgtggccgcc tcgtaaaacc ccatgagggg 32400

ccggggcgcc acggcgtccg cggcggccgg gggggcgcgg cgcgtcaggc gccataggtg 32460

ccggccgagt ccgcggtcca ccatacccgc ctcctcgagg accacggcca gggaacacag 32520

ataatccagg cgggcccaga ggggaccgat ggccagaggg gcgcggacgc cgcgcagcaa 32580

cccgcgcagg tggcgctcga acgtctcggc tagtatatgg gagggcagcg cgttggggat 32640

caccgacgcc gaccacatag agtcaaggtc cggggagtcg ggatcggcgt ccgggtcgcg 32700

ggcgtgggtg cccccaggag atagcggaat gtccggggtc ggaggcccgg aggcgtcaga 32760

aagtgccggc gacgcggccc ggggcttttc gtctgcggtg tcggtggcgt gctgatcacg 32820

tgggggggtta tcgggcgaat gggagctcgg gtccacagct gacgtcgtct ggggtggggg 32880

gggcagggga cggaaggtgg ttgtcagcgg aagactgtta gggcgggggc gcttgggggg 32940

gctgtcgggg ccacgagggg tgtcctcggc cagggcccag ggacgcttag tcacggtgcg 33000

tcccggcgga catgctgggc ctaccgtgga ctccatttcc gagacgacgt gggggggagcg 33060

gtggttgagc gcgccgccgg gtgaacgctg attctcacga cagcgcgtgc cgcgcgcacg 33120

ggttggtgtg acacaggcgg gacaccagca ccaggagagg cttaagctcg ggaggcagcg 33180

ccaccgacga cagtatcgcc ttgtgtgtgt gctggtaatt tatacaccga tccgtaaacg 33240

cgcgccgaat cttgggattg cggaggtggc gccggatgcc ctctgggacg tcatacgcca 33300

ggccgtgggt gttggtctcg gccgagttga caaacagggc tgggtgcagc acgcagcgat 33360

aggcgagcag ggccagggcg aagtccggcg acagctggtt gttgaaatac tggtaaccgg 33420

gaaaccgggt cacgggtacg cccaggctcg gggcgacgta cacgctaacc accaactcca 33480

gcagcgtctg gcccagggcg tacaggtcaa ccgctagccc gacgtcgtgc ttcaggcggt 33540

ggttggtaaa ttcggcccgt tcgttgttaa ggtatttcac caacagctcc gggggctggt 33600

tatacccgtg acccaccagg gtgtgaaagt tggctgtggt tagggcggtg ggcatgccaa 33660

acatccgggg ggacttgagg tccggctcct ggaggcaaaa ctgcccccgg gcgatcgtgg 33720

agttggagtt gagggtgacg aggctaaagt cggcgaggac ggcccgccgg agcgagacgg 33780

cgtccgaccg cagcatgacg aggatgttgg cgcacttgat atccaggtgg ctgatcccgc 33840

aggtggtgtt taaaaacaca acggcacggg ccagctccgt gaagcactgg tggagggccg 33900

tcgagaccga ggggtttgtt gtgcgcaggg acgccagttg gccgatatac ttaccgaggt 33960

ccatgtcgta cgcggggaac actatctgtc gttgttgcag cgagaacccg aggggcgcga 34020

tgaagccgcg gatgttgtgg gtgcggccgg cgcgtagagc gcactccccg accaacaggg 34080

tcgcgatgag ctcaacggca aaccactcct tttcctttat ggtcttaacg gcaagcttat 34140

gttcgcgaat cagttggact tcgccgtatc ccccagaccc cccgaagctt cgggccccgg 34200

ggatctcgag ggtcgtgtag tgtagggcgg ggttgatggc gaacacgggg ctgcatagct 34260

tgcggatgcg cgtgagggtg aggatgtgcg agggggacga ggggggtgcg gttaacgccg 34320

cctgggatct gcgcaggggc gggcggttca gtttggccgc cgtaccgggc gcctcggggg 34380

acgcgcggcg atgagacgag cggctcattc gccatcggga tagtcccgcg cgaagccgct 34440

cgcggaggcc ggatcggtgg cggcacccgt gggaggagcg ggagacggcg gcgttctgga 34500

gagaggggcc gctggggcgc ccggaggccc catgggggtt ggagtgtatg taggatgcga 34560

gccaatcctt gaaggaccgt tggcgtgcac cttgggggct gaggttagct gccacatgac 34620

cagcaggtcg ctgtctgcgg gactcatcca tccttcggcc aggtcgccgt ctccccacag 34680

agaagcgttg gtcgctgcct cctcgagttg ctcctcctgg tccgcaagac gatcgtccac 34740

ggcgtccagg cgctcaccaa gcgccggatc gaggtaccgt cggtgtgcgg ttagaaagtc 34800

acgacgcgcc gcttgctcct ccacgcgaat tttaacacag gtcgcgcgct gtcgcatcat 34860

ctctaagcgc gcgcgggact ttagccgcgc ctccaattcc aagtgggccg cctttgcagc 34920

cataaaggcg ccaacaaacc gaggatcttg ggtgctgacg ccctcccggt gcagctgcag 34980

ggtctggtcc ttgtaaatct cggctcggag gtgcgtctcg gccaggcgtc ggcgcagggc 35040

cgcgtgggcg gcatctcggt ccattccgcc accctgcggg cgacccgggg gtgctctgat 35100

agtctcgcgt gcccaaggcc cgtgatcggg gtacttcgcc gccgcgaccc gccacccggt 35160

gtgcgcgatg tttggtcagc agctggcgtc cgacgtccag cagtacctgg agcgcctcga 35220

gaaacagagg caacttaagg tgggcgcgga cgaggcgtcg gcgggcctca caatgggcgg 35280

cgatgcccta cgagtgccct ttttagattt cgcgaccgcg acccccaagc gccaccagac 35340

cgtggtcccg ggcgtcggga cgctccacga ctgctgcgag cactcgccgc tcttctcggc 35400

cgtggcgcgg cggctgctgt ttaatagcct ggtgccggcg caactaaagg ggcgtgattt 35460

cgggggcgac cacacggcca agctggaatt cctggccccc gagttggtac gggcggtggc 35520

gcgactgcgg tttaaggagt gcgcgccggc ggacgtggtg cctcagcgta acgcctacta 35580

tagcgttctg aacacgtttc aggccctcca ccgctccgaa gcctttcgcc agctggtgca 35640

ctttgtgcgg gactttgccc agctgcttaa aacctccttc cgggcctcca gcctcacgga 35700

gaccacgggc ccccccaaaa aacgggccaa ggtggacgtg gccacccacg gccggacgta 35760

cggcacgctg gagctgttcc aaaaaatgat ccttatgcac gccacctact ttctggccgc 35820

cgtgctcctc ggggaccacg cggagcaggt caacacgttc ctgcgtctcg tgtttgagat 35880

ccccctgttt agcgacgcgg ccgtgcgcca cttccgccag cgcgccaccg tgtttctcgt 35940

cccccggcgc cacggcaaga cctggtttct ggtgcccctc atcgcgctgt cgctggcctc 36000

ctttcggggg atcaagatcg gctacacggc gcacatccgc aaggcgaccg agccggtgtt 36060

tgaggagatc gacgcctgcc tgcggggctg gttcggttcg gcccgagtgg accacgttaa 36120

aggggaaacc atctccttct cgtttccgga cgggtcgcgc agtaccatcg tgtttgcctc 36180

cagccacaac acaaacgtaa gtcctctttt ctttcgcatg gctctcccaa ggggccccgg 36240

gtcgacccga cccacaccca cccacccaca tacacacaca accagacgcg ggaggaaagt 36300

ctgccccgtg ggcactgatt tttattcggg atcgcttgag gaggcccggg caacggcccg 36360

ggcaacggtg gggcaactcg tagcaaatag gcgactgatg tacgaagaga agacacacag 36420

gcgccacccg gcgctggtcg gggggatgtt gtccgcgccg caccgtcccc cgacgacctc 36480

ttgcagacgg tccgtgatgc aaggacggcg gggggcctgc agcagggtga ccgtatccac 36540

gggatggcca aagagaagcg gacacaggct agcatccccc tggaccgcca gggtacactg 36600

ggccatcttg gcccacagac acggggcgac gcagggacag gactccgtta cgacggagga 36660

gagccacagt gcgttggcgg aatcgatgtg gggcggcggg gcgcaggact cgcagccccc 36720

cgggtggtta gtgatcctgg ccaggagcca tcccagatgg cgggccctgc ttcccggtgg 36780

acagagcgac cccaggtcgc tgtccatggc ccagcagtag atctggccgc tggggaggtg 36840

ccaccaggcc cccgggccca aggcgcagca cgcgcccggc tccgggggggg tcttcgcggg 36900

gaccagatac gcgccatcca gctcgccgac cactggctcc tccgcgagct gttcggtggt 36960

tgggtcgggg gtttcctccg ggggggtggc cgcccgtatg cgggcgaacg tgagggtgca 37020

caggagcggg gtcagggggt gcgtcacgct ccggaggtgg acgatcgcgc agtagcggcg 37080

ctcgcggtta aagaaaaaga gggcaaagaa ggtgttcggg ggcaaccgca gcgccttggg 37140

gcgcgtcaga tacagaaaaa tctcgcagaa gagggcgcgc ccggggtctg ggttaggaag 37200

ggccacctga cacagaggct cggtgaggac cgttagacac cgaaagatct tgagccgctc 37260

gtccgcccga acgacgcgcc acacaaagac ggagttgaca atgcgcgcga tagagtcgac 37320

gtccgtcccc aggtcgtcga ctctgtcgcg cgtgccgcga gctccggccc gggaatccgg 37380

ccggggcaag gtccccgggg gaccaggcgg cgccaggggc cgccggggtc ccagctgcgc 37440

catgccgggg gcgggggggag ggcaaacccc agaggcgggg gccaacggcg cggggaggag 37500

tggatgggcg aggtggccgg gggaaggcgc ccgctagcga gaacggccgt tcccggacga 37560

caccttgcga caaaacctaa ggacagcggc ccgcgcgacg gggtccgaga ggctaaggta 37620

ggccgcgatg ttaatggtga acgcaaagcc gccgggaaag acaactatgc cacagaggcg 37680

gcgattaaac cccaggcaga ggtaggcgta gctttccccg ggcaggtatt gctcgcagac 37740

cctgcgtggg gctgtggagg ggacggcctc catgaagcga catttactct gctcgcgttt 37800

actgacgtca ccatccatcg ccacggcgat tggacgattg ttaagccgca gcgtgtctcc 37860

gcttgtgctg tagtagtcaa aaacgtaatg gccgtcggag tcggcaaagc gggccgggag 37920

gtcgtcgccg agcgggacga cccgccgccc ccgaccgccc cgtcccccca ggtgtgccag 37980

gacggccagg gcatacgcgg tgtgaaaaaa ggcgtcgggg gcggtcccct cgacggcgcg 38040

catcaggttc tcgaggagaa tggggaagcg cctggtcacc tcccccagcc acgcgcgttg 38100

gtcggggcca aagtcatagc gcaggcgctg tgagattcgc gggccgccct gaagcgcggc 38160

ccggatggcc tggcccaggg cccggaggca cgccagatgt atgcgcgcgg taaaggcgac 38220

ctcggcggcg atgtcaaagg gcggcaggac ggggcgcggg tggcgcaggg gcacctcgag 38280

cgcgggaaag cggagcagca gctccgcctg cccagcggga gacagctggt gggggcgcac 38340

gacgcgttct gcggcgcagg cctcggtcag ggccgtggcc agcgccgagg acagcagcgg 38400

agggcgggcg cgtcgcccgc cccacgccac tgagttctcg taggagacga cgacgaagcg 38460

ctgcttggtt ccgtagtggt ggcgcaggac cacggagata gaacgacggc tccacagcca 38520

gtccggccgg tcgccgccgg ccagggcttc ccatccgcga tccaaccact cgaccagcga 38580

ccgcggcttt gtggtaccag gggtaagggt tagaacgtcg ttcaggatgt cctcgccccc 38640

gggcccgtgg ggcgctgggg ccacaaagcg gcccccgccg gggggctcca gacccgccag 38700

caccgcatct gcgtcagccg cccccatggc gcccccgctg acggcctggt gaaccagggc 38760

gccctggcgg agccccgatg caacgccaca ggccgcacgc ccggtccgag cgcggaccgg 38820

gtggcggcgg gtgacgtcct gcactgcccg ctgaaccaac gcgaggatct cctcgttctc 38880

ctgtgcgatg gacacgtcct gggccgcggt cgtgtcgccg ccgggggccg tcagctgctc 38940

ctccggggag atgggggggt cggacgcccc gacgatgggc gggtctgcgg gcgcccccgc 39000

gtggggccgg gccaagggct gcggacgcgg ggacgcgctt tcccccagac ccatggacag 39060

gtgggccgcg gcctccttcg cggccggcgg ggcggcggcg ccaagcagag cgacgtagcg 39120

gcacaaatgc cgacagacgc gcatgatgcg cgtgctgtcg gccgcgtagc gcgtgttggg 39180

ggggacgagc tcgtcgtaac taaacagaat cacgcgggca cagctcgccc ccgagcccca 39240

cgcgaggcgc agcgccgcca cggcgtacgg gtcatagacg ccctgcgcgt cacacaccac 39300

gggcagggag acgaacaacc ccccggcgct ggacgcacgc ggaaggaggc cagggtgtgc 39360

cggcacgacg ggggccagaa gctcccccac cgcatccgcg ggcacgtagg cggcaaacgc 39420

cgtgcaccac ggggtacagt cgccggtggc atgagcccga gtctggattt cgacctggaa 39480

gtttgcggcc gtcccgagtc cggggcggcc gcgcatcagg gcggccagag ggattcccgc 39540

ggccgccagg cactcgctgg atatgatgac gtgaaccaaa gacgagggcc gacccgggcc 39600

gtggccgaga tcgtactgga cctcgttggc caagtgcgcg ttcatggttc ggggtgggtg 39660

tgggtgtgta ggcgatgcgg gtcccccgag tccgcgggaa gggcgtgggt ttggcgcgcg 39720

tatgcgtatt cgccaacgga ggcgtgcgtg cttatgcgcg gcgcgtttct tctgtctcca 39780

gggaatccga ggccaggact ttaacctgct ctttgtcgac gaggccaact ttattcgccc 39840

ggatgcggtc cagacgatta tgggctttct caaccaggcc aactgcaaga ttatcttcgt 39900

gtcgtccacc aacaccggga aggccagtac gagctttttg tacaacctcc gcggggccgc 39960

cgacgagctt ctcaacgtgg tgacctatat atgcgatgat cacatgccga gggtggtgac 40020

gcacacaaac gccacggcct gttcttgtta tatcctcaac aagcccgttt tcatcacgat 40080

ggacggggcg gttcgccgga ccgccgattt gtttctggcc gattccttca tgcaggagat 40140

catcgggggc caggccaggg agaccggcga cgaccggccc gttctgacca agtctgcggg 40200

ggagcggttt ctgttgtacc gcccctcgac caccaccaac agcggcctca tggcccccga 40260

tttgtacgtg tacgtggatc ccgcgttcac ggccaacacc cgagcctccg ggaccggcgt 40320

cgctgtcgtc gggcggtacc gcgacgatta tatcatcttt gccctggagc actttttttct 40380

ccgcgcgctc acgggctcgg cccccgccga catcgcccgc tgcgtcgtcc acagtctgac 40440

gcaggtcctg gccttgcatc ccggggcgtt tcgcggcgtc cgggtggcgg tcgagggaaa 40500

tagcagccag gactcggccg tcgccatcgc cacgcacgtg cacacagaga tgcaccgcct 40560

actggcctcg gagggggccg acgcgggctc gggccccgag cttctcttct accactgcga 40620

gcctcccggg agcgcggtgc tgtacccctt tttcctgctc aacaaacaga agacgcccgc 40680

ctttgaacac tttattaaaa agtttaactc cgggggcgtc atggcctccc aggagatcgt 40740

ttccgcgacg gtgcgcctgc agaccgaccc ggtcgagtat ctgctcgagc agctgaataa 40800

cctcaccgaa accgtctccc ccaacactga cgtccgtacg tattccggaa aacggaacgg 40860

cgcctcggat gaccttatgg tcgccgtcat tatggccatc taccttgcgg cccaggccgg 40920

acctccgcac acattcgctc ccatcacacg cgtttcgtga gcgcccaata aacacaccca 40980

ggtatgctac gcacgaccac ggtgtcgcct gttaaggggg gggaaggggg tgttggcggg 41040

aagcgtggga acacgggggа ttctctcacg accggcacca gtaccacccc cctgtgaaca 41100

cagaaaccca acccaaatcc cataaacata cgacacacag gcatattttg gaatttcttg 41160

ggtttttatt tatttaggta tgctggggtt tctccctgga tgcccacccc ccacccccc 41220

ccgtgggtct agccgggcct tagggatagc gtataacggg ggccatgtct ccggaccgca 41280

caacggccgc gccgtcaaag gtgcacaccc gaaccacggg agccagggcc aaggtgtctc 41340

ctagttggcc cgcgtgggtc agccaggcga cgagcgcctc gtaaagcggc agccttcgct 41400

ctccatcctg caccagggcc ggggcttcgg ggtgaatgag ctgggcggcc tcccgcgtga 41460

cactctgcat ctgcaggaga gcgttcacgt acccgtcctg ggcacttagc gcaaagagcc 41520

gggggattag cgtaaggatg atggtggttc cctccgtgat cgagtaaacc atgttaagga 41580

ccagcgatcg cagctcggcg tttacgggac cgagttgttg gacgtccgcc agcagcgaga 41640

ggcgactccc gttgtagtac agcacgttga ggtctggcag ccctccgggg tttctggggc 41700

tggggttcag gtcccggatg cccctggcca cgagccgcgc cacgatttcg cgcgccaggg 41760

gcgatggaag cggaacggga aaccgcaacg tgaggtccag cgaatccagg cgcacgtccg 41820

tcgcttggcc ctcgaacacg ggcgggacga ggctgatggg gtccccgtta cagagatcta 41880

cgggggaggt gttgcgaagg ttaacggtgc cggcgtgggt gaggcccacg tccaggggac 41940

aggcgacgat tcgcgtggga agcacccggg tgatgaccgc ggggaagcgc cttcggtacg 42000

ccagcaacaa ccccaacgtg tcgggactga cgcctccgga gacgaaggat tcgtgcgcca 42060

cgtcggccag cgtcagttgc cggcggatgg tcggcaggaa taccacccgc ccttcgcagc 42120

gctgcagcgc cgccgcatcg gggcgcgaga tgcccgaggg tatcgcgatg tcagtttcaa 42180

agccgtccgc cagcatggcg ccgatccacg cggcagggag tgcagtggtg gttcgggtgg 42240

cgggaggagc gcggtggggg tcagcggcgt agcagagacg ggcgaccaac ctcgcatagg 42300

acgggggggtg ggtcttaggg ggttgggagg cgacagggac cccagagcat gcgcggggag 42360

gtctgtcggg cccagacgca ccgagagcga atccgtccac ggagtcccgg tctgggtttt 42420

atggggcccg gccctcggaa tcgcggcttg tcggcgggga caaaggggggc ggggctaggg 42480

ggcttgcgga aacagaagac gcgtgggata aaagaatcgc actaccccaa ggaagggcgg 42540

ggcggtttat tacagagcca gtcccttgag cggggatgcg tcatagacga gatactgcgc 42600

gaagtgggtc tcccgcgcgt gggcttcccc gttgcgggcg ctgcggagga gggcggggtc 42660

gctggcgcag gtgagcgggt aggcctcctg aaacaggcca cacgggtcct ccacgagttc 42720

gcggcacccc ggggggcgct taaactgtac gtcgctggcg gcggtggccg tggacaccgc 42780

cgaacccgtc tccacgatca ggcgctccag gcagcgatgt ttggcggcga tgtcggccga 42840

cgtaaagaac ttaaagcagg ggctgagcac cggcgaggcc ccgttgaggt ggtaggcccc 42900

gttatagagc aggtccccgt acgaaaatcg ctgcgacgcc cacgggttgg ccgtggccgc 42960

aaaggcccgg gacgggtcgc tctggccgtg gtcgtacatg agggcggtga catccccctc 43020

cttgtccccc gcgtaaacgc ccccggcggc gcgtccccgg gggttgcagg gccggcggaa 43080

gtagttgacg tcggtcgaca cgggggtggc gataaactca cacacggcgt cctggccgtg 43140

gtccatccct gcgcgccgcg gcacctgggc gcacccgaac acggggacgg gctgggccgg 43200

ccccaggcgg tttcccgcca cgaccgcgtt ccgcaggtac acggctgccg cgttgtccag 43260

gagaggggga gccccgcggc ccaggtaaaa gttttgggga aggttgccca tgtcggtgac 43320

ggggttgcgg acggttgccg tggccacgac ggcggtgtag cccacgccca ggtccacgtt 43380

cccgcgcggc tgggtgagcg tgaagtttac ccccccgcca gtttcgtgcc gggccacctg 43440

gagctggccc aggaagtacg cctccgacgc gcgctccgag aacagcatgt tctcagtcac 43500

aaagcggtcc tgtcggacga cggtgaaccc aaacccggga tggaggcccg tcttgagctg 43560

atgatgcaag gccacgggac tgatcttgaa gtaccccgcc atgagcgcgt aggtcagcgc 43620

gttctccccg gccgcgctct cgcggacgtg ctgcacgacg ggctgtcgga tcgacgaaaa 43680

gtagttggcc cccagagccg gggggaccag ggggacctgc cgcgacaggt cgcgcagggc 43740

cgggggggaaa ttgggcgcgt tcgccacgtg gtcggccccg gcgaacagcg cgttgacggg 43800

aaggggggtaa aaatagtcgc cattttggat ggtatggtcc agatgctggg gggccatcag 43860

caggattccg gcgtgcaacg ccccgtcgaa tatgcgcatg ttggtggtgg acgcggtgtt 43920

ggcgcccgcg tcgggcgccg ccgagcagag cagcgccgtt gtgcgttcgg ccatgttgtg 43980

ggccagcacc tgcagcgtga gcatggcggg cccgtccact accacgcgcc cgttgtgaaa 44040

catggcgttg accgtgttgg ccaccagatt ggccgggtgc agggggtgcg cggggtccgt 44100

cacggggtcg ctggggcact cctcgccggg ggcgatctcc gggaccacca tgttctgcag 44160

ggtggcgtat acgcggtcga agcgaacccc cgcggtgcag cagcggcccc gcgagaaggc 44220

gggcaccatc acgtagtagt aaatcttgtg gtgcacggtc cagtccgccc cccggtgcgg 44280

ccggtcatcc gcggcgtccg cggctcgggc ctgggtgttg tgcagcagct ggccgtcgtt 44340

gcggttgaag tccgcggtcg ccacgttaca tgccgccgcg tacacggggt cgtggccccc 44400

cgcgctaacc cggcagtcgc gatggcggtc cagggccgcg cgccgcatca gggcgtcaca 44460

gtcccacacg aggggtggca gcagcgccgg gtctcgcatt aggtgattca gctcggcttg 44520

cgcctgcccg cccagctccg ggccggtcag ggtaaagtca tcaaccagct gggccagggc 44580

ctcgacgtgc gccaccaggt cccggtacac ggccatgcac tcctcgggaa ggtctccccc 44640

gaggtaggtc acgacgtacg agaccagcga gtagtcgttc acgaacgccg cgcaccgcgt 44700

gttgttccag tagctggtga tgcactggac aacgagccgg gccagggcgc agaagacgtg 44760

ctcgctgccg tgtatggcgg cctgcagcag gtaaaacacc gccgggtagt tgcggtcgtc 44820

gaacgccccg cgaacggcgg cgatggtggc gggggccatg gcgtggcgtc ccacccccag 44880

ctccaggccc cgggcgtccc ggaacgccgc cggacatagc gccaggggca agttgccgtt 44940

caccacgcgc caggtggcct ggatctcccc cgggccggcc gggggaacgt ccccccccgg 45000

cagctccacg tcggccaccc ccacgaagaa gtcgaacgcg gggtgcagct caagagccag 45060

gttggcgttg tcgggctgca taaactgctc cggggtcatc tggccttccg cgacccatcg 45120

gacccgcccg tgggccaggc gctgccccca ggcgttcaaa aacagctgct gcatgtctgc 45180

ggcggggccg gccggggccg ccacgtacgc cccgtacgga ttggcggctt cgacggggtc 45240

gcggttaagg cccccgaccg ccgcgtcaac gttcatcagc gaagggtggc acacggtccc 45300

gatcgcgtgt tccagagaca ggcgcagcac ctggcggtcc ttcccccaaa aaaacagctg 45360

gcggggcggg aaggcgcggg gatccgggtg gccgggggcg gggactaggt ccccggcgtg 45420

cgcggcaaac cgttccatga ccggattgaa caggcccagg ggcaggacga acgtcaggtc 45480

catggcgccc accagggggt agggaacgtt ggtggcggcg tagatgcgct tctccagggc 45540

ctccagaaag accagcttct cgccgatgga caccagatcc gcgcgcacgc gcgtcgtctg 45600

ggggggcgctc tcgagctcgt ccagcgtctg ccggttcagg tcgagctgct cctcctgcat 45660

ctccagcagg tggcggccca cgtcgtccag acttcgcacg gccttgccca tcacgagcgc 45720

cgtgaccagg ttggccccgt tcaggaccat ctcgccgtac gtcaccggca cgtcggcttc 45780

ggtgtcctcc actttcagga aggactgcag gaggcgctgt ttgatcgggg ctgtggtgac 45840

tagcaccccg tcgaccggcc gcccgcgcgt gtcggcatgc gtcagacggg gcacggccac 45900

ggagggctgc gtggccgtgg tgaggtccac gagccaggcc tcgacggcct cccggcggtg 45960

gcccgccttg cccaggaaaa agctcgtctc gcagaagctt cgctttagct cggcgaccag 46020

ggtcgcccgg gccaccctgg tggccaggcg gccgttgtcc aggtatcgtt gcatcggcaa 46080

caacaaagcc aggggcggcg ccttttccag cagcacgtgc agcatctggt cggccgtgcc 46140

gcgctcaaac gccccgagga cggcctggac gttgcgagcg agctgttgga tggcgcgcaa 46200

ctggcgatgc gcgctgatac ccgtcccgtc cagggcctcc cccgtgagca gggcgatggc 46260

ctcggtggcc aggctgaagg cggcgttcag ggcccggcgg tcgataatct tggtcatgta 46320

attgtgtgtg ggttgctcga tggggtgcgg gccgtcgcgg gcaatcagcg gctggtggac 46380

ctcgaactgt acgcgcccct cgttcatgta ggccagctcc ggaaacttgg tacacacgca 46440

cgccaccgac aacccgagct ccagaaagcg cacgagcgac agggtgttgc aatacgaccc 46500

cagcagggcg tcgaactcga cgtcgtacag gctgtttgca tcggagcgca cgcgggaaaa 46560

aaaatcgaac aggcgtcgat gcgacgccac ctcgatcgtg ctaaggaggg acccggtcgg 46620

caccatggcc gcggcatacc ggtatcccgg agggtcgcgg ttgggagcgg ccatggggtc 46680

gcgtggagat cggctgtctc tagcgatatt ggcccgggga ggctaagatc caccccaacg 46740

cccggccacc cgtgtacgtg cccgacggcc caaggtccac cgaaagacac gacggacccg 46800

gacccaaaga ggcgggggat gctgtgtgag aggccgggtg tcggtcgggg gggaaaggca 46860

ccgggagaag gctgcggcct cgttccagga gaacccagtg tccccaacag acccggggac 46920

gtgggatccc cggccttata tacccccccc cgccccaccc ccgttagaac gcgacgggtg 46980

cattcaagat ggccctggtc caaaagcgtg ccaggaagaa attggcagag gcggcaaagc 47040

tgtccgccgc cgccacccac atcgaggccc cggccgcaca ggctatcccc agggcccgtg 47100

tgcgcagggg atcggtgggt ggcagcattt ggttggtggc gataaagtgg aaaagcccgt 47160

ccggactgaa ggtctcgtgg gcggcggcga acaaggcaca cagggccgtg cctcccaaaa 47220

acacggacat cccccaaaac acgggcgccg acaacggcag acgatccctc ttgatgttaa 47280

cgtacaggag gagcgcccgc accgcccacg taacgtagta gccgacgatg gcggccagga 47340

tacaggccgg cgccaccacc cttccggtca gcccgtaata catgcccgct gccaccatct 47400

ccaacggctt caggaccaaa aacgaccaaa ggaacagaat cacgcgcttt gaaaagaccg 47460

gctgggtatg gggcggaaga cgcgagtatg ccgaactgac aaaaaaatca gaggtgccgt 47520

acgaggacaa tgaaaactgt tcctccagcg gcagttctcc ctcctccccc ccgaaggcgg 47580

cctcgtcgac cagatctcga tccaccagag gaaggtcatc ccgcatggtc atggggtgtg 47640

cggtggaggt ggggagaccg aaaccgcaaa gggtcgctta cgtcagcagg atcccgagat 47700

caaagacacc cgggttcttg cacaaacacc acccgggttg catccgcgga ggcgagtgtt 47760

ttgataaggc cgttccgcgc cttgatataa cctttgatgt tgaccacaaa acccggaatt 47820

tacgcctacg ccccaatgcc cacgcaagat gaggtaggta acccccccgt gggtgtgacg 47880

ttgcgtttag ttcattggag gccaagggga aaaatggggt ggggaggaaa cggaaaaccc 47940

agtaggccgt gtcgggaaca cgcccggggt tgtcctcaaa aggcagggtc catactacgg 48000

aagccgtcgt tgtattcgag acctgcctgt gcgacgcacg tcggggttgc ctgtgtccgg 48060

ttcggccccc accgcgtgcg gcacgcacga ggacgagtcc gcgtgcttta ttggcgttcc 48120

aagcgttgcc ctccagtttc tgttgtcggt gttcccccat acccacgccc acatccaccg 48180

taggggggcct ctgggccgtg ttacgtcgcc gcccgcgatg gagcttagct acgccaccac 48240

catgcactac cgggacgttg tgttttacgt cacaacggac cgaaaccggg cctactttgt 48300

gtgcgggggg tgtgtttatt ccgtggggcg gccgtgtgcc tcgcagcccg gggagattgc 48360

caagtttggt ctggtcgttc gagggacagg cccagacgac cgcgtggtcg ccaactatgt 48420

acgaagcgaa ctccgacaac gcggcctgca ggacgtgcgt cccattgggg aggacgaggt 48480

gtttctggac agcgtgtgtc ttctaaaccc gaacgtgagc tccgagctgg atgtgattaa 48540

cacgaacgac gtggaagtgc tggacgaatg tctggccgag tactgcacct cgctgcgaac 48600

cagcccgggt gtgctaatat ccgggctgcg cgtgcgggcg caagacagaa tcatcgagtt 48660

gtttgaacac ccaacgatag tcaacgtttc ctcgcacttt gtgtataccc cgtccccata 48720

cgtgttcgcc ctggcccagg cgcacctccc ccggctcccg agctcgctgg aggccctggt 48780

gagcggcctg tttgacggca tccccgcccc acgccagcca cttgacgccc acaacccgcg 48840

cacggatgtg gttatcacgg gccgccgcgc cccacgaccc atcgccgggt cgggggcggg 48900

gtcgggggggc gcgggcgcca agcgggccac cgtcagcgag ttcgtgcaag tcaaacacat 48960

tgaccgcgtg ggccccgctg gcgtttcgcc ggcgcctccg ccaaacaaca ccgactcgag 49020

ttccctggtg cccggggccc aggattccgc cccgcccggc cccacgctaa gggagctgtg 49080

gtgggtgttt tatgccgcag accgggcgct ggaggagccc cgcgccgact ctggcctcac 49140

ccgcgaggag gtacgtgccg tacgtgggtt ccgggagcag gcgtggaaac tgtttggctc 49200

cgcgggggcc ccgcgggcgt ttatcggggc cgcgttgggc ctgagccccc tccaaaagct 49260

ggccgtttac tactatatca tccaccgaga gaggcgcctg tccccccttcc ccgcgctagt 49320

ccggctcgta ggccggtaca cacagcgcca cggcctgtac gtccctcggc ccgacgaccc 49380

agtcttggcc gatgccatca acgggctggt tcgcgacgcg ctggcggccg gaaccacagc 49440

cgagcagctc ctcatgttcg accttctccc cccaaaggac gtgccggtgg gaagcgacgt 49500

gcaggccgac agcaccgctc tgctgcgctt tatagaatcg caacgtctcg ccgtccccgg 49560

gggggtgatc tcccccgagc acgtcgcgta ccttggtgcg ttcctgagcg tgctgtacgc 49620

tggccgcggg cgcatgtccg cagcaacgca caccgcgcgg ctgacagggg tgacctccct 49680

ggtgctagcg gtgggtgacg tggaccgtct ttccgcgttt gaccgcggag cggcgggcgc 49740

ggccagccgc acgcgggccg ccgggtacct ggatgtgctt cttaccgttc gtctcgctcg 49800

ctccaaacac ggacagtctg tgtaacagac cccaataaac gtatgtcgct accacaccct 49860

tgtgtgtcaa tggacgcctc tccgggggggg aagggaaaac aaagaggggc tgggggagcg 49920

gcaccactgg ggcctgaaca aacaaacaaa ccacagacac ggttacagtt tattcggtcg 49980

ggcggataaa cggccgaagc cacgccccct ttattcgcgt ctccaaaaaa acgggacact 50040

tgtccggaga acctttagga tgccagccag ggcggcggta atcataacca cgcccagcgc 50100

agaggcggcc agaaacccgg gcgcaattgc ggccacgggc tgcgtgtcaa aggctagcaa 50160

atgaatgacg gttccgtttg gaaatagcaa caaggccgtg gacggcacgt cgctcgaaaa 50220

cacgctcggg gcgccctccg tcggcccggc ggcgatttgc tgctgtgtgt tgtccgtatc 50280

caccagcaac acagacatga cctccccggc tggggtgtag cgcataaaca cggcccccac 50340

gagccccagg tcgcgctggt tttgggtgcg caccagccgc ttggactcga tatcccgggt 50400

ggagccttcg catgtcgcgg tgaggtaggt taggaacagt gggcgtcgga cgtcgacgcc 50460

ggtgagcttg tagccgatcc cccggggcag aggggagtgg gtgacgacgt agctggcgtt 50520

gtgggtgatg ggtaccagga tccgtggctc gacgttggca gactgccccc cgcaccgatg 50580

tgaggcctca gggacgaagg cgcggatcag ggcgttgtag tgtgcccagc gcgtcagggt 50640

cgaggcgagg ccgtgggtct gctgggccag gacttcgacc ggggtctcgg atcgggtggc 50700

ttgagccagc gcgtccagga taaacacgct ctcgtctaga tcaaagcgca gggaggccgc 50760

gcatggcgaa aagtggtccg gaagccaaaa gagggttttc tggtggtcgg cccgggccag 50820

cgcggtccgg aggtcggcgt tggtcgctgc ggcgacgtcg gacgtacaca gggccgatgc 50880

tatcagaagg ctccggcggg cgcgttcccg ctgcaccgcc gaggggacgc ccgccaagaa 50940

cggctgccgg aggacagccg aggcgtaaaa tagcgcccgg tggacgaccg gggtggtcag 51000

cacgcggccc cctagaaact cggcatacag ggcgtcgatg agatgggctg cgctgggcgc 51060

cactgcgtcg tacgccgagg ggctatccag cacgaaggcc agctgatagc ccagcgcgtg 51120

taatgccaag ctctgttcgc gctccagaat ctcggccacc aggtgctgga gccgagcctc 51180

tagctgcagg cgggccgtgg gatccaagac tgacacatta aaaaacacag aatccgcggc 51240

acagcccgcg gccccgcggg cggccaaccc ggcaagcgcg cgcgagtggg ccaaaaagcc 51300

tagcaggtcg gagaggcaga ccgcgccgtt tgcgtgggcg gcgttcacga aagcaaaacc 51360

cgacgtcgcg agcagccccg ttaggcgcca gaagagaggg gggcgcgggc cctgctcggc 51420

gcccgcgtcc cccgagaaaa actccgcgta tgcccgcgac aggaactggg cgtagttcgt 51480

gccctcctcc gggtagccgc ccacgcggcg gagggcgtcc agcgcggagc cgttgtcggc 51540

ccgcgtcagg gaccctagga caaagacccg ataccggggg ccgcccgggg gcccgggaag 51600

agcccccggg gggttttcgt ccgcggggtc cccgacccga tctagcgtct ggcccgcggg 51660

gaccaccatc acttccaccg gagggctgtc gtgcatggat atcacgagcc ccatgaattc 51720

ccgcccgtag cgcgcgcgca ccagcgcggc atcgcacccg agcaccagct cccccgtcgt 51780

ccagatgccc acgggccacg tcgaggccga cggggagaaa tacacgtacc tacctgggga 51840

tctcaacagg ccccgggtgg ccaaccaggt cgtggacgcg ttgtgcaggt gcgtgatgtc 51900

cagctccgtc gtcgggtgcc gccgggcccc aaccggcggt cgggggggcg gtgtatcacg 51960

cggcccgctt gggtggctcg ccgtcgccac gttgtctccc cgcgggaacg tcagggcctc 52020

ggggtcaggg acggccgaaa acgttaccca ggcccgggaa cgcagcaaca cggaggcgac 52080

tggattgtac aagagaccct taaggggggc gaccgagggg ggaggctggg cggtcggctc 52140

gaccgtggtg ggggcgggca ggctcgcgtt cgggggccgg ccgagcaggt aggtcttcgg 52200

gatgtaaagc agctggccgg ggtcccgcgg aaactcggcc gtggtgacca atacaaaaca 52260

aaagcgctcc tcgtaccagc gaagaagggg cagagatgcc gtagtcaggt ttagttcgtc 52320

cggcggcgcc agaaatccgc gcggtggttt ttgggggtcg ggggtgtttg gcagccacag 52380

acgcccggtg ttcgtgtcgc gccagtacat gcggtccatg cccaggccat ccaaaaacca 52440

tgggtctgtc tgctcagtcc agtcgtggac ctgaccccac gcaacgccca aaataataac 52500

ccccacgaac cataaaccat tccccatggg ggaccccgtc cctaacccac ggggcccgtg 52560

gctatggcag ggcttgccgc cccgacgttg gctgcgagcc ctgggccttc acccgaactt 52620

ggggggtggg gtggggaaaa ggaagaaacg cgggcgtatt ggccccaatg gggtctcggt 52680

ggggtatcga cagagtgcca gccctgggac cgaaccccgc gtttatgaac aaacgaccca 52740

acacccgtgc gttttattct gtctttttat tgccgtcata gcgcgggttc cttccggtat 52800

tgtctccttc cgtgtttcag ttagcctccc ccatctcccg ggcaaacgtg cgcgccaggt 52860

cgcagatcgt cggtatggag ccgggggtgg tgacgtgggt ctggaccatc ccggaggtaa 52920

gttgcagcag ggcgtcccgg cagccggcgg gcgattggtc gtaatccagg ataaagacgt 52980

gcatgggacg gaggcgtttg gccaagacgt ccaaggccca ggcaaacacg ttgtacaggt 53040

cgccgttggg ggccagcaac tcgggggccc gaaacagggt aaataacgtg tccccgatat 53100

ggggtcgtgg gcccgcgttg ctctggggct cggcaccctg gggcggcacg gccgtccccg 53160

aaagctgtcc ccaatcctcc cgccacgacc cgccgccctg cagataccgc accgtattgg 53220

caagcagccc gtaaacgcgg cgaatcgcgg ccagcatagc caggtcaagc cgctcgccgg 53280

ggcgctggcg tttggccagg cggtcgatgt gtctgtcctc cggaagggcc cccaacacga 53340

tgtttgtgcc gggcaaggtc ggcgggatga gggccacgaa cgccagcacg gcctgggggg 53400

tcatgctgcc cataaggtat cgcgcggccg ggtagcacag gagggcggcg atgggatggc 53460

ggtcgaagat gagggtgagg gccgggggcg gggcatgtga gctcccagcc tccccccga 53520

tatgaggagc cagaacggcg tcggtcacgg cataaggcat gcccattgtt atctgggcgc 53580

ttgtcattac caccgccgcg tccccggccg atatctcacc ctggtcgagg cggtgttgtg 53640

tggtgtagat gttcgcgatt gtctcggaag cccccagcac ctgccagtaa gtcatcggct 53700

cgggtacgta gacgatatcg tcgcgcgaac ccagggccac cagcagttgc gtggtggtgg 53760

ttttccccat cccgtgagga ccgtctatat aaacccgcag tagcgtgggc attttctgct 53820

ccaggcggac ttccgtggct tcttgctgcc ggcgagggcg caacgccgta cgtcggttgc 53880

tatggccgcg agaacgcgca gcctggtcga acgcagacgc gtgttgatgg caggggtacg 53940

aagccatacg cgcttctaca aggcgcttgc cgaagaggtg cgggagtttc acgccaccaa 54000

gatctgcggc acgctgttga cgctgttaag cgggtcgctg cagggtcgct cggtgttcga 54060

ggccacacgc gtcaccttaa tatgcgaagt ggacctggga ccgcgccgcc ccgactgcat 54120

ctgcgtgttc gaattcgcca atgacaagac gctgggcggg gtttgtgtca tcatagaact 54180

aaagacatgc aaatatattt cttccgggga caccgccagc aaacgcgagc aacgggccac 54240

ggggatgaag cagctgcgcc actccctgaa gctcctgcag tccctcgcgc ctccgggtga 54300

caagatagtg tacctgtgcc ccgtcctggt gtttgtcgcc caacggacgc tccgcgtcag 54360

ccgcgtgacc cggctcgtcc cgcagaaggt ctccggtaat atcaccgcag tcgtgcggat 54420

gctccagagc ctgtccacgt atacggtccc catggagcct aggacccagc gagcccgtcg 54480

ccgccgcggc ggcgccgccc gggggtctgc gagcagaccg aaaaggtcac actctggggc 54540

gcgcgacccg cccgagtcag cggcccgcca gttaccaccc gccgaccaaa cccccgcctc 54600

cacggagggc ggggggggtgc ttaagaggat cgcggcgctc ttctgcgtgc ccgtggccac 54660

caagaccaaa ccccgagccg cctccgaatg agagtgtttc gttccttccc cctccccccg 54720

cgtcagacaa accctaacca ccgcttaagc ggcccccgcg aggtccgaag actcatttgg 54780

atccggcggg agccacccga caacagcccc cgggttttcc cacgccagac gccggtccgc 54840

tgtgccatcg cgccccctca tcccaccccc catcttgtcc ccaaataaaa caaggtctgg 54900

tagttaggac aacgaccgca gttctcgtgt gttattttcg ctctccgcct ctcgcagatg 54960

gacccgtact gcccatttga cgctctggac gtctgggaac acaggcgctt catagtcgcc 55020

gattcccgaa acttcatcac ccccgagttc ccccgggact tttggatgtc gcccgtcttt 55080

aacctccccc gggagacggc ggcggagcag gtggtcgtcc tacaggccca gcgcacagcg 55140

gctgccgctg ccctggagaa cgccgccatg caggcggccg agctccccgt cgatatcgag 55200

cgccggttac gcccgatcga acggaacgtg cacaagatcg caggcgccct ggaggcgctg 55260

gagacggcgg cggccgccgc cgaagaggcg gatgccgcgc gcggggatga gccggcgggt 55320

gggggcgacg gggggggcgcc cccgagtctg gccgtcgcgg agatggaggt ccagatcgtg 55380

cgcaacgacc cgccgctacg atacgacacc aacctccccg tggatctgct acacatggtg 55440

tacgcgggcc gcggggcgac cggatcgtcg ggggtggtgt tcgggacctg gtaccgcact 55500

atccaggacc gcaccatcac ggactttccc ctgaccaccc gcagtgccga ctttcgggac 55560

ggccgtatgt ccaagacctt catgacggcg ctggtactgt ccctgcagtc gtgcggccgg 55620

ctgtatgtgg gccagcgcca ctattccgcc ttcgagtgcg ccgtgttgtg tctctacctg 55680

ctgtaccgaa acacgcacgg ggccgccgac gatagcgacc gcgctccggt cacgttcggg 55740

gatctgctgg gccggctgcc ccgctacctg gcgtgcctgg ccgcggtgat cgggaccgag 55800

ggcggccggc cacagtaccg ctaccgcgac gacaagctcc ccaagacgca gttcgcggcc 55860

ggcgggggcc gctacgaaca cggagcgctg gcgtcgcaca tcgtgatcgc cacgctgatg 55920

caccacgggg tgctcccggc ggccccgggg gacgtccccc gggacgcgag cacccacgtt 55980

aaccccgacg gcgtggcgca ccacgacgac ataaaccgcg ccgccgccgc gttcctcagc 56040

cggggccaca acctattcct gtgggaggac cagactctgc tgcgggcaac cgcgaacacc 56100

ataacggccc tgggcgttat ccagcggctc ctcgcgaacg gcaacgtgta cgcggaccgc 56160

ctcaacaacc gcctgcagct gggcatgctg atccccggag ccgtcccttc ggaggccatc 56220

gcccgtgggg cctccgggtc cgactcgggg gccatcaaga gcggagacaa caatctggag 56280

gcgctatgtg ccaattacgt gcttccgctg taccgggccg acccggcggt cgagctgacc 56340

cagctgtttc ccggcctggc cgccctgtgt cttgacgccc aggcggggcg gccggtcggg 56400

tcgacgcggc gggtggtgga tatgtcatcg ggggcccgcc aggcggcgct ggtgcgcctc 56460

accgccctgg aactcatcaa ccgcacccgc acaaacccca cccccgtggg ggaggttatc 56520

cacgcccacg acgccctggc gatccaatac gaacaggggc ttggcctgct ggcgcagcag 56580

gcacgcattg gcttgggctc caacaccaag cgtttctccg cgttcaacgt tagcagcgac 56640

tacgacatgt tgtacttttt atgtctgggg ttcattccac agtacctgtc ggcggtttag 56700

tgggtggtgg gcgaggggggg agggggcatt agggagaaag aacaagagcc tccgttgggt 56760

tttctttgtg cctgtactca aaaggtcata ccccgtaaac ggcgggctcc agtcccggcc 56820

cggcggttgg cgtgaacgca acggcgggag ctgggttagc gtttagttta gcattcgctc 56880

tcgcctttcc gcccgccccc cgaccgttgc gccttttttt tttttcgtcc accaaagtct 56940

ctgtgggtgc gcgcatggca gccgatgccc cgggagaccg gatggaggag cccctgccag 57000

acagggccgt gcccatttac gtggctgggt ttttggccct gtatgacagc ggggactcgg 57060

gcgagttggc attggatccg gatacggtgc gtgcggccct gcctccggat aacccactcc 57120

cgattaacgt ggaccaccgc gctggctgcg aggtggggcg ggtgctggcc gtggtcgacg 57180

acccccgcgg gccgtttttt gtgggactga tcgcctgcgt gcaactggag cgcgtcctcg 57240

agacggccgc cagcgctgcg attttcgagc gccgcgggcc gccgctctcc cgggaggagc 57300

gcctgttgta cctgatcacc aactacctgc cctcggtctc cctggccaca aaacgcctgg 57360

ggggcgaggc gcaccccgat cgcacgctgt tcgcgcacgt cgcgctgtgc gcgatcgggc 57420

ggcgcctcgg cactatcgtc acctacgaca ccggtctcga cgccgccatc gcgccctttc 57480

gccacctgtc gccggcgtct cgcgaggggg cgcggcgact ggccgccgag gccgagctcg 57540

cgctgtccgg acgcacctgg gcgcccggcg tggaggcgct gacccacacg ctgctttcca 57600

ccgccgttaa caacatgatg ctgcgggacc gctggagcct ggtggccgag cggcggcggc 57660

aggccgggat cgccggacac acctacctcc aggcgagcga aaaattcaaa atgtgggggg 57720

cggagcctgt ttccgcgccg gcgcgcgggt ataagaacgg ggccccggag tccacggaca 57780

taccgcccgg ctcgatcgct gccgcgccgc agggtgaccg gtgcccaatc gtccgtcagc 57840

gcggggtcgc ctcgcccccg gtactgcccc ccatgaaccc cgttccggca tcgggcaccc 57900

cggcccccgc gccgcccggc gacgggagct acctgtggat cccggcctcc cattacaacc 57960

agctcgtcgc cggccacgcc gcgccccaac cccagccgca ttccgcgttt ggtttcccgg 58020

ctgcggcggg ggccgtggcc tatgggcctc acggcgcggg tctttcccag cattaccctc 58080

cccacgtcgc ccatcagtat cccggggtgc tgttctcggg acccagccca ctcgaggcgc 58140

agatagccgc gttggtgggg gccatagccg cggaccgcca ggcgggcggt cagacggccg 58200

cgggagaccc tggggtccgg gggtcgggaa agcgtcgccg gtacgaggcg gggccgtcgg 58260

agtcctactg cgaccaggac gaaccggacg cggactaccc gtactacccc ggggaggctc 58320

gaggcgggcc gcgcggggtc gactctcggc gcgcggcccg ccagtctccc gggaccaacg 58380

agaccatcac ggcgctgatg ggggcggtga cgtctctgca gcaggaactg gcgcacatgc 58440

gggctcggac cagcgccccc tatggaatgt acacgccggt ggcgcactat cgccctcagg 58500

tgggggagcc ggaaccaaca acgacccacc cggccctttg tcccccggag gccgtgtatc 58560

gccccccacc acacagcgcc ccctacggtc ctccccaggg tccggcgtcc catgccccca 58620

ctcccccgta tgccccagct gcctgcccgc caggcccgcc accgccccca tgtccttcca 58680

cccagacgcg cgcccctcta ccgacggagc ccgcgttccc ccccgccgcc accggatccc 58740

aaccggaggc atccaacgcg gaggccgggg cccttgtcaa cgccagcagc gcagcacacg 58800

tggacgttga cacggcccgc gccgccgatt tgttcgtctc tcagatgatg ggggcccgct 58860

gattcgcccc ggtctttggt accatgggat gtcttactgt atatcttttt aaataaacca 58920

ggtaatacca aataagaccc attggtgtat gttcttttt tattgggagg cgcgggtagg 58980

cgggtagctt tacaatgcaa aagccttcga cgtggaggaa ggcgtggggg gggaatcggc 59040

actgaccaag ggggtccgtt ttgtcacggg aaaggaaaga ggaaacaggc cgcggacacc 59100

cgggggagtt tatgtgttcc cttttctttc ttcccacaca cacaaaaggc gtaccaaaca 59160

aacaaaccaa aagatgcaca tgcggtttaa cacccgtggt ttttatttac aacaaacccc 59220

ccgtcacagg tcgtcctcgt cggcgtcacc gtctttgttg ggaacttggg tgtagttggt 59280

gttgcggcgc ttgcgcatga ccatgtcggt gaccttggcg ctgagcagcg cgctcgtgcc 59340

cttcttcttg gccttgtgtt ccgtgcgctc catggcagac accagggcca tgtaccgtat 59400

catctcccgg gcctcggcta gcttggcctc gtcaaagtcg ccgccctcct cgccctcccc 59460

ggacgcgtcc gggttggtgg ggttcttgag ctccttggtg gttagcgggt acagggcctt 59520

catggggttg ctctgcagcc gcatgacgta gcgaaaggcg aagaaagccg ccgccaggcc 59580

ggccaggacc aacagaccca cggccagcgc cccaaagggg ttggacatga aggaggacac 59640

gcccgacacg gccgatacca cgccgcccac gatgcccatc accaccttgc cgaccgcgcg 59700

ccccaggtcg cccatcccct cgaagaacgc gcccaggccc gcgaacatgg cggcgttggc 59760

gtcggcgtgg atgaccgtgt cgatgtcggc gaagcgcagg tcgtgcagct ggttgcggcg 59820

ctggacctcc gtgtagtcca gcaggccgct gtccttgatc tcgtggcggg tgtacacctc 59880

caggggggaca aactcgtgat cctccagcat ggtgatgttg aggtcgatga aggtgctgac 59940

ggtggtgatg tcggcgcggc tcagctggtg ggagtacgcg tactcctcga agtacacgta 60000

gcccccgccg aaggtgaagt agcgccggtg tcccacggtg cacggctcga tcgcatcgcg 60060

cgtcagccgc agctcgttgt tctcccccag ctgcccctcg accaacgggc cctggtcttc 60120

gtaccgaaag ctgaccaggg ggcggctgta gcaggccccg ggccgcgagc tgatgcgcat 60180

cgagttttgg acgatcacgt tgtccgcggc gaccggcacg cacgtggaga cggccatcac 60240

gtcgccgagc atccgcgcgc tcacccgccg gcccacggtg gccgaggcga tggcgttggg 60300

gttcagcttg cgggcctcgt tccacagggt cagctcgtga ttctgcagct cgcaccacgc 60360

gatggcaacg cggcccaaca tatcgttgac atggcgctgt atgtggttgt acgtaaactg 60420

cagccgggcg aactcgatgg aggaggtggt cttgatgcgc tccacggacg cgttggcgct 60480

ggccccgggc ggcgggggcg tggggtttgg gggcttgcgg ctctgctctc ggaggtgttc 60540

ccgcacgtac agctccgcga gcgtgttgct gagaaggggc tggtacgcga tcagaaagcc 60600

cccattggcc aggtagtact gcggctggcc caccttgatg tgcgtcgcgt tgtacctgcg 60660

ggcgaagatg cggtccatgg cgtcgcgggc gtccttgccg atgcagtccc ccaggtccac 60720

gcgcgagagc gggtactcgg tcaggttggt ggtgaaggtg gtggatatgg cgtcggagga 60780

gaatcggaag gagccgccgt actcggagcg cagcatctcg tccacctcct gccacttggt 60840

catggtgcag accgacgggc gctttggcac ccagtcccag gccacggtga acttgggggt 60900

cgtgagcagg ttccgggtgg tcggcgccgt ggcccgggcc ttggtggtga ggtcgcgcgc 60960

gtagaagccg tcaacctgct tgaagcggtc ggcggcgtag ctggtgtgtt cggtgtgcga 61020

cccctcccgg tagccgtaaa acggggacat gtacacaaag tcgccagtcg ccagcacaaa 61080

ctcgtcgtac gggtacaccg agcgcgcgtc cacctcctcg acgatgcagt ttaccgtcgt 61140

cccgtaccgg tggaacgcct ccacccgcga ggggttgtac ttgaggtcgg tggtgtgcca 61200

gccccggctc gtgcgggtcg cggcgttggc cggtttcagc tccatgtcgg tctcgtggtc 61260

gtcccggtga aacgcggtgg tctccaggtt gttgcgcacg tacttggccg tggaccgaca 61320

gacccccttg gcgttgatct tgtcgatcac ctcctcgaag gggacggggg cgcggtcctc 61380

aaagatcccc ataaactggg agtagcggtg gccgaaccac acctgcgaaa cggtgacgtc 61440

tttgtagtac atggtggcct tgaacttgta cggggcgatg ttctccttga agaccaccgc 61500

gatgccctcc gtgtagttct gaccctcggg ccgggtcggg cagcggcgcg gctgctcgaa 61560

ctgcaccacc gtggcgcccg tgggggggtgg gcacacgtaa aagtttgcat cggtgttctc 61620

cgccttgatg tcccgcaggt gctcgcgcag ggtggcgtgg cccgcggcga cggtcgcgtt 61680

gtcgccggcg gggcgcggcg gcggtgggtt tttcggtttt ttgttcttct tcggtttcgt 61740

gtcccccgtt ggggcggggc caggggcggg cggcgccgga gtggcaggtc ccccgttcgc 61800

cgcctgggtc gcggccgcga ccccaggcgt gccgggggaa ctcggagccg ccgacgccac 61860

caggaccccc agcgtcaacc ccaagagcgc ccatacgacg aaccaccggc acccccgcgc 61920

gggggcgccc tggcgcatgg cgggactacg ggggcccgtc gtgccccccg tcaggtagcc 61980

tgggggcgag gtgctggagg accgagtaga ggatcgagaa aacgtctcgg tcgtagacca 62040

cgaccgaccg ggggccgata cagccgtcgg gggcgctctc gacgatggcc accagcggac 62100

agtcggagtc gtacgtgaga tatacgccgg gcgggtaacg gtaacgacct tcggaggtcg 62160

ggcggctgca gtccgggcgg cgcaactcga gctccccgca ccggtagacc gaggcaaaga 62220

gtgtggtggc gataatcagc tcgcgaatat atcgccaggc ggcgcgctga gtgggcgtta 62280

ttccggaaat gccgtcaaaa cagtaaaacc tctgaaattc gctgacggcc caatcagcac 62340

ccgagccccc cgcccccatg atgaaccggg cgagctcctc cttcaggtgc ggcaggagcc 62400

ccacgttctc gacgctgtaa tacagcgcgg tgttgggggg ctgggcgaag ctgtgggtgg 62460

agtgatcaaa gaggggcccg ttgacgagct cgaagaagcg atgggtgatg ctggggagca 62520

gggccgggtc cacctggtgt cgcaggagag acgctcgcat gaaccggtgc gcgtcgaaca 62580

cgcccggcgc cgagcggttg tcgatgaccg tgcccgcgcc cgccgtcagg gcgcagaagc 62640

gcgcgcgcgc cgcaaagccg ttggcgaccg cggcgaacgt cgcgggcagc acctcgccgt 62700

ggacgctgac ccgcagcatc ttctcgagct ccccgcgctg ctcgcggacg cagcgcccca 62760

ggctggccaa cgaccgcttc gtcaggcggt ccgcgtacag ccgccgtcgc tcccgcacgt 62820

ccgcggccgc ttgcgtggcg atgtcccccc acgtctcggg cccctgcccc ccgggcccgc 62880

ggcgacggtc ttcgtcctcg cccccgcccc cgggagctcc caacccccgt gccccttcct 62940

ctacggcgac acggtccccg tcgtcgtcgg ggcccgcgcc gcccttgggc gcgtccgccg 63000

cgcccccgc ccccatgcgc gccagcacgc gacgcagcgc ctcctcgtcg cactgttcgg 63060

ggctgacgag gcgccgcaag agcggcgtcg tcaggtggtg gtcgtagcac gcgcggatga 63120

gcgcctcgat ctgatcgtcg ggtgacgtgg cctgaccgcc gattattagg gcgtccacca 63180

tatccagcgc cgccaggtgg ctcccgaacg cgcgatcgaa atgctccgcc cgccgcccga 63240

acagcgccag ttccacggcc accgcggcgg tctcctgctg caactcgcgc cgcgccagcg 63300

cggtcaggtt gctggcaaac gcgtccatgg tggtctggcc ggcgcggtcg ccggacgcga 63360

gccagaatcg caattcgctg atggcgtaca ggccgggcgt ggtggcctga aacacgtcgt 63420

gcgcctccag cagggcgtcg gcctccttgc ggaccgagtc gttctcgggc gacgggtggg 63480

gctgcccgtc gccccccgcg gtccgggcca gcgcatggtc caacacggag agcgcccgcg 63540

cgcggtcggc gtccgacagc ccggcggcgt ggggcaggta ccgccgcagc tcgttggcgt 63600

ccagccgcac ctgcgcctgc tgggtgacgt ggttacagat acggtccgcc aggcggcggg 63660

cgatcgtcgc cccctggttc gccgtcacac acagttcctc gaaacagacc gcgcaggggt 63720

gggacgggtc gctaagctcc ggggggacga taaggcccga ccccaccgcc cccaccataa 63780

actcccgaac gcgctccagc gcggcggtgg cgccgcgcga gggggtgatg aggtggcagt 63840

agtttagctg ctttagaaag ttctcgacgt cgtgcaggaa acacagctcc atatggacgg 63900

tcccgccata cgtatccagc ctgacccgtt ggtgatacgg acagggtcgg gccaggccca 63960

tggtctccgt gaaaaacacc gcgacgtctc ccgcggtcgc gaacgtctcc aggctgccca 64020

ggagccgctc gccctcgcgc cacgcgtact ctagcagcaa ctccagggtg accgacagcg 64080

gggtgagaaa ggccccggcc tgggcctcca ggcccggcct cagacgacgc cgcagcgccc 64140

gcacctgaag cgcgttcagc ttcagttggg ggagcttccc ccgtccgatg tgggggtcgc 64200

accgccggag cagctctatc tgaaacacat aggtctgcac ctgtccgagc agggctaaca 64260

acttttgacg ggccacggtg ggctcggaca ccggggcggc catctcgcgg cgccgatctg 64320

taccgcggcc ggagtatgcg gtggaccgag gcggtccgta cgctacccgg cgtctggctg 64380

agccccgggg tccccctatt cggggcggcc tcccgcgggc ccgccgaccg gcaagccggg 64440

agtcggcggc gcgtgcgttt ctgttctatt cccagacacc gcggagagga atcacggccc 64500

gcccagagat atagacacgg aacacaaaca agcacggatg tcgtagcaat aatttatttt 64560

acacacattc cccgccccgc cctaggttcc cccacccccc aacccctcac agcatatcca 64620

acgtcaggtc tccctttttg tcgggggggcc cctccccaaa cgggtcatcc ccgtggaacg 64680

cccgtttgcg gccggcaaat gccggtcccg gggcccccgg gccgccgaac ggcgtcgcgt 64740

tgtcgtcctc gcagccaaaa tccccaaagt taaacacctc cccggcgttg ccgagttggc 64800

tgactagggc ctcggcctcg tgcgccacct ccagggccgc gtccgtcgac cactcgccgt 64860

tgccgcgctc cagggcacgt gcggtcagct ccatcatctc ctcgcttagg tactcgtcct 64920

ccaggagcgc cagccagtcc tcgatctgca gctgttgggt gcggggcccc aggcttttca 64980

cggtcgccac gaacacgcta ctggcgacgg ccgccccgcc ctcggagata atgccccgga 65040

gctgctcgca cagcgagctt tcgtgcgctc cgccgccgag gctcgaggcc gcgcacacaa 65100

acccggcccg gggacaggcc aggacgaact tgcgggtgcg gtcaaaaata aggagcgggc 65160

acgcgttttt gccgcccatc aggctggccc agttcccggc ctgaaacaca cggtcgttgc 65220

cggccatgcc gtagtatttg ctgatgctca accccaacac gaccatgggg cgtgccgcca 65280

tgacgggccg cagcaggttg cagctggcga acatggaggt ccacgcgccc ggatgcgcgt 65340

ccacggcgtc catcagcgcg cgggccccgg cctccaggcc cgccccgccc tgcgcggacc 65400

acgcggccgc cgcctgcacg ctgggggggac ggcgggaccc cgcgatgatg gccgtgaggg 65460

tgttgatgaa gtacgtcgag tgatcgcagt accgcagaat ctggtttgcc atgtagtaca 65520

tcgccagctc gctcacgttg ttgggggcca ggttaataaa gttgatcgcg ccgtagtcca 65580

gggaaaactt tttaatgaac gcgatggtct cgatgtcctc gcgcgacagg agccgggcgg 65640

gaagctggtt gcgttggagg gccgtccaga accactgcgg gttcggctgg ttggaccccg 65700

ggggcttgcc gttggggaag atggccgcgt ggaactgctt cagcagaaag cccagcggtc 65760

cgaggaggat gtccacgcgc ttgtcgggct tctggtaggc gctctggagg ctggcgaccc 65820

gcgccttggc ggcctcggac gcgttggcgc tcgcgcccgc gaacaacacg cggctcttga 65880

cgcgcagctc cttgggaaac cccagggtca cgcgggcaac gtcgccctcg aagctgctct 65940

cggcgggggc cgtctggccg gccgtcaggc tgggggcgca gatagccgca ccctccgaga 66000

gcgcgaccgt cagcgttttg gccgacagaa acccgttgtt aaacatgtcc atcacgcgcc 66060

gccgcagcac cggttggaat tgattgcgaa agttgcgccc ctcgaccgac tgcccggcga 66120

acaccccgtg gcactggctc agggccaggt cctggtacac ggcgaggttg gatcgccgcc 66180

cgagaagctg aagcaggggg cacggcccgc acgcgtacgg gtccagcgtc agggacatgg 66240

cgtggttggc ctcgcccaga ccgtcgcgaa acttgaagtt cctcccctcc accaggttgc 66300

gcatcagctg ctccacctcg cggtccacga cctgcctgac gttgttcacc accgtatgca 66360

gggcctcgcg gttggtgatg atggtctcca gccgccccat ggccgtgggg accgcctggt 66420

ccacgtactg cagggtctcg agttcggcca tgacgcgctc ggtcgccgcg cggtacgtct 66480

cctgcatgat ggtccgggcg gtctcggatc cgtccgcgcg cttcagggcc gagaaggcgg 66540

cgtagtttcc cagcacgtcg cagtcgctgt acatgctgtt catggtcccg aagacgccga 66600

tggctccgcg ggcggcgctg gcgaacttgg gatggcgcgc ccggaggcgc atgagcgtcg 66660

tgtgtacgca ggcgtggcgc gtgtcgaagg tgcacaggtt acagggcacg tcggtctggt 66720

tggagtccgc gacgtatcga aacacgtcca tctcctggcg cccgacgatc acgccgccgt 66780

cgcagcgctc caggtaaaac agcatcttgg ccagcagcgc cggggaaaac ccacacagca 66840

tggccaggtg ctcgccggca aattcctggg ttccgccgac gaggggcgcg gtgggccgac 66900

cctcgaaccc gggcaccacg tgtccctcgc ggtccacctg tgggttggcc gccacgtggg 66960

tcccgggcac gaggaagaag cggtaaaagg agggtttgct gtggtccttt gggtccgccg 67020

ggccggcgtc gtccacctcg gtgagatgga gggccgagtt ggtgctaaat accatggccc 67080

ccacgagtcc cgcggcgcgc gccaggtacg ccccgacggc gttggcgcgg gccgcggccg 67140

tgtcctggcc ctcgaacagc ggccacgcgg agatgtcggt gggcggctcg tcaaagacgg 67200

ccatcgacac gatagactcg agggccaggg cggcgtctcc ggccatgacg gaggccaggc 67260

gctgttcgaa cccgcccgca gggcccttgc cgccgccgtc gcgcccgccc cgcggggtct 67320

taccctggct ggcttcgaag gccgtgaacg taatgtcggc ggggagggcg gcgccctcgt 67380

ggttttcgtc aaacgccagg tgggcggccg cgcgggccac ggcgtccacg tttcggcatc 67440

gcagtgccac ggcggcgggt cccacgaccg cctcgaacag gaggcggtgg agggggcggt 67500

taaaaaacgg aagcgggtag gtaaaattct ccccgatcga tcggtggttg gcgttgaacg 67560

gctctgcgat gacacggcta aaatccggca tgaacagctg caacgggtac acgggtatgc 67620

ggtgcacctc cgccccgcct atggttacct tgtccgagcc tcccaggtgc agaaaggtgt 67680

tgttgatgca cacggcctcc ttgaagccct cggtaacgac cagatacagg agggcgcggt 67740

ccgggtccag gccgaggcgc tcacacagcg cctcccccgt cgtctcgtgt ttgaggtcgc 67800

cgggccgggg ggtgtagtcc gaaaagccaa aatggcggcg tgcccgctcg cagagtcgcg 67860

tcaggttcgg ggcctgggtg ctggggtcca ggtgccggcc gccgtgaaag acgtacacgg 67920

acgagctgta gtgcgagggc gtcagtttca gggacaccgc ggtacccccg agccccgtcg 67980

tgcgagaacc cacgaccacg gccacgttgg cctcaaagcc gctctccacg gtcaggccca 68040

cgaccagggg cgccacggcg acgtcggcat cgccgctgcg cgccgacagt aacgccagaa 68100

gctcgatgcc ttcggacgga cacgcgcgag cgtacacgta tcccaggggc ccgggggga 68160

ccttgatggt ggttgccgtc ttgggctttg tctccatgtc cttctgtcaa tcggtccgcg 68220

aacggaggta atcccggcac gacgacggac gcccgacaag gtatgtctcc cgagcgtcaa 68280

aatccggggg ggggggcggc gacggtcaag gggagggttg gagaccgggg ttggggaatg 68340

aatccctacc cttcaccgac aacccccgg gtaatcacgg ggtgccgatg aaccccggcg 68400

gccggcaacg cggggtccct gcgagaggca cagatgctta cggtcaggtg ctccgggtcg 68460

ggtgcgtctg gtatgcggtt ggtatatgta cactttacct gggggcgtgc ctggccgccc 68520

cagcccctcc cacgccctgc gcgtcatcag ccggtgggcg tggccgctat tataaaaaaa 68580

gtgagaacgc gaagcgttcg cactttgtcc taataatata tatattatta ggacaaagtg 68640

cgaacgcttc gcgttctcac ttttttttata atagcggcca cgcccaccgg ctacgtcacg 68700

ctcctgtcgg ccgccggcgg tccataagcc cggccggccg ggccgacgcg aataaaccgg 68760

gccgccggcc ggggcgccgc gcagcagctc gccgcccgga tccgccagac aaacaaggcc 68820

cttgcacatg ccggcccggg cgagcctggg ggtccggtaa ttttgccatc ccacccaagc 68880

ggctttttgg gtttttctct tccccccctcc ccacatcccc cctctttagg ggttcgggtg 68940

gtaacaaccg cgatgttttc cggtggcggc ggcccgctgt cccccggagg aaagtcggcg 69000

gccagggcgg cgtccgggtt ttttgcgccc gccggccctc gcggagccgg ccggggaccc 69060

ccgccttgct tgaggcaaaa cttttacaac ccctacctcg ccccagtcgg gacgcaacag 69120

aagccgaccg ggccaaccca gcgccatacg tactatagcg aatgcgatga atttcgattc 69180

atcgccccgc gggtgctgga cgaggatgcc cccccggaga agcgcgccgg ggtgcacgac 69240

ggtcacctca agcgcgcccc caaggtgtac tgcgggggggg acgagcgcga cgtcctccgc 69300

gtcgggtcgg gcggcttctg gccgcggcgc tcgcgcctgt ggggcggcgt ggaccacgcc 69360

ccggcggggt tcaaccccac cgtcaccgtc tttcacgtgt acgacatcct ggagaacgtg 69420

gagcacgcgt acggcatgcg cgcggcccag ttccacgcgc ggtttatgga cgccatcaca 69480

ccgacgggga ccgtcatcac gctcctgggc ctgactccgg aaggccaccg ggtggccgtt 69540

cacgtttacg gcacgcggca gtacttttac atgaacaagg aggaggtcga caggcaccta 69600

caatgccgcg ccccacgaga tctctgcgag cgcatggccg cggccctgcg cgagtccccg 69660

ggcgcgtcgt tccgcggcat ttccgcggac cacttcgagg cggaggtggt ggagcgcacc 69720

gacgtgtact actacgagac gcgccccgct ctgttttacc gcgtctacgt ccgaagcggg 69780

cgcgtgctgt cgtacctgtg cgacaacttc tgcccggcca tcaagaagta cgagggtggg 69840

gtcgacgcca ccacccggtt catcctggac aaccccgggt tcgtcacctt cggctggtac 69900

cgtctcaaac cgggccggaa caacacgcta gcccagccgc gggccccgat ggccttcggg 69960

acatccagcg acgtcgagtt taactgtacg gcggacaacc tggccatcga ggggggcatg 70020

agcgacctac cggcatacaa gctcatgtgc ttcgatatcg aatgcaaggc ggggggggag 70080

gacgagctgg cctttccggt ggccgggcac ccggaggacc tggtcatcca gatatcctgt 70140

ctgctctacg acctgtccac caccgccctg gagcacgtcc tcctgttttc gctcggttcc 70200

tgcgacctcc ccgaatccca cctgaacgag ctggcggcca ggggcctgcc cacgcccgtg 70260

gttctggaat tcgacagcga attcgagatg ctgttggcct tcatgaccct tgtgaaacag 70320

tacggccccg agttcgtgac cgggtacaac atcatcaact tcgactggcc cttcttgctg 70380

gccaagctga cggacattta caaggtcccc ctggacgggt acggccgcat gaacggccgg 70440

ggcgtgtttc gcgtgtggga cataggccag agccacttcc agaagcgcag caagataaag 70500

gtgaacggca tggtgaacat cgacatgtac gggattataa ccgacaagat caagctctcg 70560

agctacaagc tcaacgccgt ggccgaagcc gtcctgaagg acaagaagaa ggacctgagc 70620

tatcgcgaca tccccgccta ctacgccgcc gggcccgcgc aacgcggggt gatcggcgag 70680

tactgcatac aggattccct gctggtgggc cagctgtttt ttaagttttt gccccatctg 70740

gagctctcgg ccgtcgcgcg cttggcgggt attaacatca cccgcaccat ctacgacggc 70800

cagcagatcc gcgtctttac gtgcctgctg cgcctggccg accagaaggg ctttattctg 70860

ccggacaccc aggggcgatt taggggcgcc gggggggagg cgcccaagcg tccggccgca 70920

gcccgggagg acgaggagcg gccagaggag gagggggagg acgaggacga acgcgaggag 70980

ggcgggggcg agcgggagcc ggagggcgcg cgggagaccg ccggccggca cgtggggtac 71040

caggggggca gggtccttga ccccacttcc gggtttcatg tgaaccccgt ggtggtgttc 71100

gactttgcca gcctgtaccc cagcatcatc caggcccaca acctgtgctt cagcacgctc 71160

tccctgaggg ccgacgcagt ggcgcacctg gaggcgggca aggactacct ggagatcgag 71220

gtgggggggc gacggctgtt cttcgtcaag gctcacgtgc gagagagcct cctcagcatc 71280

ctcctgcggg actggctcgc catgcgaaag cagatccgct cgcggattcc ccagagcagc 71340

cccgaggagg ccgtgctcct ggacaagcag caggccgcca tcaaggtcgt gtgtaactcg 71400

gtttacgggt tcacgggagt gcagcacgga ctcctgccgt gcctgcacgt tgccgcgacg 71460

gtgacgacca tcggccgcga gatgctgctc gcgacccgcg agtacgtcca cgcgcgctgg 71520

gcggccttcg aacagctcct ggccgatttc ccggaggcgg ccgacatgcg cgcccccggg 71580

ccctattcca tgcgcatcat ctacggggac acggactcca tctttgtgct gtgccgcggc 71640

ctcacggccg ccgggctgac ggccgtgggc gacaagatgg cgagccacat ctcgcgcgcg 71700

ctgtttctgt cccccatcaa actcgagtgc gaaaagacgt tcaccaagct gctgctgatc 71760

gccaagaaaa agtacatcgg cgtcatctac gggggtaaga tgctcatcaa gggcgtggat 71820

ctggtgcgca aaaacaactg cgcgtttatc aaccgcacct ccagggccct ggtcgacctg 71880

ctgttttacg acgataccgt atccggagcg gccgccgcgt tagccgagcg ccccgcagag 71940

gagtggctgg cgcgacccct gcccgaggga ctgcaggcgt tcggggccgt cctcgtagac 72000

gcccatcggc gcatcaccga cccggagagg gacatccagg actttgtcct caccgccgaa 72060

ctgagcagac acccgcgcgc gtacaccaac aagcgcctgg cccacctgac ggtgtattac 72120

aagctcatgg cccgccgcgc gcaggtcccg tccatcaagg accggatccc gtacgtgatc 72180

gtggcccaga cccgcgaggt agaggagacg gtcgcgcggc tggccgccct ccgcgagctc 72240

gacgccgccg ccccagggga cgagcccgcc ccccccgcgg ccctgccctc cccggccaag 72300

cgcccccggg agacgccgtt gcatgccgac cccccgggag gcgcgtccaa gccccgcaag 72360

ctgctggtgt ccgagctggc cgaggatccc gcatacgcca ttgcccacgg cgtcgccctg 72420

aacacggact attacttctc ccacctgttg ggggcggcgt gcgtgacatt caaggccctg 72480

tttgggaata acgccaagat caccgagagt ctgttaaaaa ggtttattcc cgaagtgtgg 72540

caccccccgg acgacgtggc cgcgcggctc cgggccgcag ggttcggggc ggtgggtgcc 72600

ggcgctacgg cggaggaaac tcgtcgaatg ttgcatagag cctttgatac tctagcatga 72660

gccccccgtc gaagctgatg tccctcattt tacaataaat gtctgcggcc gacacggtcg 72720

gaatctccgc gtccgtgggt ttctctgcgt tgcgccggac cacgagcaca aacgtgctct 72780

gccacacgtg ggcgacgaac cggtaccccg ggcacgcggt gagcatccgg tctatgagcc 72840

ggtagtgcag gtgggcggac gtgccgggaa agatgacgta cagcatgtgg cccccgtaag 72900

tggggtccgg gtaaaacaac agccgcgggt cgcacgcccc gcctccgcgc aggatcgtgt 72960

ggacgaaaaa aagctcgggt tggccaagaa tcccggccaa gaggtcctgg agggggggcgt 73020

tgtggcggtc ggccaacacg accaaggagg ccaggaaggc gcgatgctcg aatatcgtgt 73080

tgatctgctg cacgaaggcc aggattaggg cctcgcggct ggtggcggcg aaccgcccgt 73140

ctcccgcgtt gcacgcggga cagcaacccc cgatgcctag gtagtagccc atcccggaga 73200

gggtcaggca gttgtcggcc acggtctggt ccagacagaa gggcagcgag acgggagtgg 73260

tcttcaccag gggcaccgag agcgagcgca cgatggcgat ctcctcggag ggcgtctggg 73320

cgagggcggc gaaaaggccc cgatagcgct ggcgctcgtg taaacacagc tcctgtttgc 73380

gggcgtgagg cggcaggctc ttccgggagg cccgacgcac cacgcccaga gtcccgccgg 73440

ccgcagagga gcgcgaccgc cggcgctcct tgccgtgata gggcccgggc cgggagccgc 73500

ggcgatgggg gtcggtgtca tacataggta cacagggtgt gctccaggga caggagcgag 73560

atcgagtggc gtctaagcag cgcgcccgcc tcacggacaa atgtggcgag cgcggtgggc 73620

tttggtacaa atacctgata cgtcttgaag gtgtagatga gggcacgcaa cgctatgcag 73680

acacgcccct cgaactcgtt cccgcaggcc agcttggcct tgtggagcag cagctcgtcg 73740

ggatgggtgg cgggggatg gccgaacaga acccaggggt caacctccat ctccgtaatg 73800

gcgcacatgg ggtcacagaa catgtgctta aagatggcct cgggccccgc ggcccgaagc 73860

aggctcacaa accggccccc gtccccgggc tgcgtctcgg ggtcagcctc gagctggtcg 73920

acgacgggta cgatacagtc gaagaggctc gtgttgtttt ccgagtagcg gaccacggag 73980

gcccggagtc tgcgcagggc cagccagtaa gcacgcacca gtaacaggtt acacagcagg 74040

cattctccgc cggtgcgccc gcgcccccgg ccgtgtttca gcacggtggc catcagaggg 74100

cccaggtcga ggtcgggctg ggcatcgggt tcggtaaact gcgcaaagcg cggagccacg 74160

tcgcgcgtgc gtgccccgcg atgcgcttcc caggactggc ggaccgtggc gcgacgggcc 74220

tccgcggcag cgcgcagctg gggccccgac tcccagacgg cgggggtgcc ggcgaggagc 74280

agcaggacca gatccgcgta cgcccacgta tccggcgact cctccggctc gcggtccccg 74340

gcgaccgtct cgaattcccc gttgcgagcg gcggcgcgcg tacagcagct gtccccgccc 74400

ccgcgccgac cctccgtgca gtccaggaga cgggcgcaat ccttccagtt catcagcgcg 74460

gtggtgagcg acggctgcgt gccggatccc gccgaccccg ccccctcctc gcccccggag 74520

gccaaggttc cgatgagggc ccgggtggca gactgcgcca ggaacgagta gttggagtac 74580

tgcaccttgg cggctcccgg ggagggcgag ggcttgggtt gcttctgggc atgccgcccg 74640

ggcaccccgc cgtcggtacg gaagcagcag tggagaaaaa agtgccggtg gatgtcgttt 74700

atggtgaggg caaagcgtgc gaaggagccg accagggtcg ccttcttggt gcgcagaaag 74760

tggcggtcca tgacgtacac aaactcgaac gcggccacga agatgctagc ggcgcagtgg 74820

ggcgccccca ggcatttggc acagagaaac gcgtaatcgg ccacccactg aggcgagagg 74880

cggtaggttt gcttgtacag ctcgatggtg cggcagacca gacagggccg gtccagcgcg 74940

aaggtgtcga tggccgccgc ggaaaagggc ccggtgtcca aaagcccctc cccacaggga 75000

tccgggggcg ggttgcgggg tcctccgcgc ccgcccgaac cccctccgtc gcccgccccc 75060

ccgcgggccc ttgagggggc ggtgaccacg tcggcggcga cgtcctcgtc gagcgtaccg 75120

acgggcggca cacctatcac gtgactggcc gtcaggagct cggcgcagag agcctcgtta 75180

agagccagga ggctgggatc gaaggccaca tacgcgcgct cgaacgcccc cgccttccag 75240

ctgctgccgg gggactcttc gcacaccgcg acgctcgcca ggaccccggg gggcgaagtt 75300

gccatggctg ggcgggaggg gcgcacgcgc cagcgaactt tacgggacac aatccccgac 75360

tgcgcgctgc ggtcccagac cctggagagt ctagacgcgc gctacgtctc gcgagacggc 75420

gcgcatgacg cggccgtctg gttcgaggat atgacccccg ccgagctgga ggttgtcttc 75480

ccgactacgg acgccaagct gaactacctg tcgcggacgc agcggctggc ctccctcctg 75540

acgtacgccg ggcctataaa agcgcccgac gacgccgccg ccccgcagac cccggacacc 75600

gcgtgtgtgc acggcgagct gctcgcccgc aagcgggaaa gattcgcggc ggtcattaac 75660

cggttcctgg acctgcacca gattctgcgg ggctgacgcg cgtgctgttg ggcgggacgg 75720

ttcgcgaacc ctttggtggg tttacgcggg cacgcacgct cccatcgcgg gcgccatggc 75780

gggactgggc aagccctaca ccggccaccc aggtgacgcc ttcgagggtc tcgttcagcg 75840

aattcggctt atcgtcccat ctacgttgcg gggcggggac ggggaggcgg gcccctactc 75900

tccctccagc ctcccctcca ggtgcgcctt tcagtttcat ggccatgacg ggtccgacga 75960

gtcgtttccc atcgagtatg tactgcggct tatgaacgac tgggccgagg tcccgtgcaa 76020

cccttacctg cgcatacaga acaccggcgt gtcggtgctg tttcaggggt tttttcatcg 76080

cccacacaac gccccgggg gcgcgattac gccagagcgg accaatgtga tcctggggtc 76140

caccgagacg acggggttgt ccctcggcga cctggacacc atcaaggggc ggctcggcct 76200

ggatgcccgg ccgatgatgg ccagcatgtg gatcagctgc tttgtgcgca tgccccgcgt 76260

gcagctcgcg tttcggttca tgggccccga agatgccgga cggacgagac ggatcctgtg 76320

ccgcgccgcc gagcaggcta ttacccgtcg ccgccgaacc cggcggtccc gggaggcgta 76380

cggggccgag gccgggctgg gggtggccgg aacgggtttc cgggccaggg gggacggttt 76440

tggcccgctc cccttgttaa cccaagggcc ctcccgcccg tggcaccagg ccctgcgggg 76500

tcttaagcac ctacggattg gccccccgc gctcgttttg gcggcgggac tcgtcctggg 76560

ggccgctatt tggtgggtgg ttggtgctgg cgcgcgccta taaaaaagga cgcaccgccg 76620

ccctaatcgc cagtgcgttc cggacgcctt cgccccacac agccctcccg accgacaccc 76680

ccatatcgct tcccgacctc cggtcccgat ggccgtcccg caatttcacc gccccagcac 76740

cgttaccacc gatagcgtcc gggcgcttgg catgcgcggg ctcgtcttgg ccaccaataa 76800

ctctcagttt atcatggata acaaccaccc acacccccag ggcacccaag gggccgtgcg 76860

ggagtttctc cgcggtcagg cggcggcact gacggacctt ggtctggccc acgcaaacaa 76920

cacgtttacc ccgcagccta tgttcgcggg cgacgcaccg gccgcctggt tgcggcccgc 76980

gtttggcctg cggcgcacct attcaccttt tgtcgttcga gaaccttcga cgcccgggac 77040

cccgtgaggc ccagggagtt ccttctgggg tgttttaatc aataaaagac cacaccaacg 77100

cacgagcctt gcgtttaatg tcgtgtttat tcaagggagt gggatagggt tcgacggttc 77160

gaaacttaac acaccaaata atcgagcgcg tctagcccag taacatgcgc acgtgatgta 77220

ggctggtcag cacggcgtcg ctgtgatgaa gcagcgcccg gcgggtccgc tgtaactgct 77280

gttgtaggcg gtaacaggcg cggatcagca ccgccagggc gctacgaccg gtgcgttgca 77340

cgtagcgtcg cgacagaact gcgtttgccg atacgggcgg ggggccgaat tgtaagcgcg 77400

tcacctcttg ggagtcatcg gcggataacg cactgaatgg ttcgttggtt atgggggagt 77460

gtggttcccc agggagtggg tcgagcgcct cggcctcgga atccgagagg aacaacgagg 77520

tggcgtcgga gtcttcgtcg tcagagacat acagggtctg aagcagcgac acgggcgggg 77580

gggtagcgtc gatgtgtagc gcgagggagg atgcccacga agacacccca gacaaggagc 77640

tgcccgtgcg tggatttgtg gaagacgcgg aagccgggac ggatgggcgg ttttgcggtg 77700

cccggaaccg aaccgccgga tactccccgg gtgctacatg cccgttttgg ggctggggtt 77760

ggggctgggg ttggggctgg ggttggggct ggggttgggg ctggggttgg ggctggggtt 77820

ggggttgggg ttggggctgg ggttggggtt ggggctgggg ctggggctgg ggctggggct 77880

ggggctgggg ctggggctgg ggctggggct ggggctgggg ctggggctgg ggctggggct 77940

ggggctgggg ttggggcgcg gacaggcggc tgacggtcaa atgcccccgg gggcgcgcag 78000

atgtggtggg cgtggccacc ggctgccgtg tagtggggcg gcgggaaacc gggcctccgg 78060

gcgtaacacc gccctccagc gtcaagtatg tgggggggcgg gcctgacgtc gggggcgggg 78120

tgacgggttg gaccgcggga ggcgggggag agggacctgc gggagaggat gaggtcggct 78180

cggccgggtt gcggcctaaa acaggggccg tggggtcggc ggggtcccag ggtgaaggga 78240

gggattcccg cgattcggac agcgacgcga cagcggggcg cgtaaggcgc cgctgcggcc 78300

cgcctacggg aaccctgggg ggggttggcg cgggacccga ggttagcggg gggcggcggt 78360

tttcgccccc gggcaaaacc gtgccggttg cgaccggggg cggaacggga tcgataggga 78420

gagcgggaga agcctggccg gcggactggg gaccgagcgg gaggggcaca ccagacacca 78480

aagcgtgggg cgctggctct gggggtttgg gaggggccgg ggggcgcgcg aaatcggtaa 78540

ccggggcgac cgtgtcgggg agggcaggcg gccgccaacc ctgggtggtc gcggaagcct 78600

gggtggcgcg cgccagggag cgtgcccggc ggtgtcggcg cgcgcgcgac ccggacgaag 78660

aagcggtaga agcgcgggag gaggcggggg ggcgggggggc ggtggcatcg gggggcgccg 78720

gggaactttg gggggacggc aagcgccgga agtcgtcgcg ggggcccacg ggcgccggcc 78780

gcgtgctttc ggccgggacg cccggtcgtg cttcgcgagc cgtgactgcc ggcccagggg 78840

gccgcggtgc acactgggac gtggggacgg actgatcggc ggtgggcgaa agggggtccg 78900

gggcaaggag gggcgcgggg ccgccggagt cgtcagacgc gagctcctcc aggccgtgaa 78960

tccatgccca catgcgaggg gggacgggct cgccgggggt ggcgtcggtg aatagcgtgg 79020

gggccaggct tccgggcccc aacgagccct ccgccccaac aaggtccgcc gggccggggg 79080

tcgggttcgg gaccgagggg ctctggtcgt cgggggcgcg ctggtacacc ggatgccccg 79140

ggaatagctc ccccgacagg agggaggcgt cgaacggccg cccgaggata gctcgcgcga 79200

ggaaggggtc ctcgtcggtg gcgctcgcgg cgaggacgtc ctcgccgccc gccacaaacg 79260

ggagctcctc ggtggcctcg ctgccaacaa accgcatgtc ggggggggccg ggggggtccg 79320

ggttttccca caacaccgcg accggggtca tggagatgtc cacgagcacc aggcacggcg 79380

ggccccgggc gaggggccgc tcggcgatga gcgcggacag gcgcgggagc tgtgccgcca 79440

gacacgcgtt ttcgatcggg ttaaggtcgg cgtgcaggag gcggacggcc cacgtctcga 79500

tgtcggacga cacggcatcg cgcaaggcgg cgtccggccc gcgagcgcgt gagtcaaaca 79560

gcgtgaggca cagctccagt tccgactcgc gggaaaaggc cgtggtgttg cggagcgcca 79620

cgacgacggg cgcgcccagg agcactgccg ccagcaccag gtccatggcc gtaacgcgcg 79680

ccgcgggggt gcggtgggtg gcggcggccg gcacggcgac gtgctggccc gtgggccggt 79740

agagggcgtt ggggggagcg gggggtgacg cctcgcgccc ccccgagggg ctcagcgtct 79800

gcccagattc cagacgcgcg gtcagaaggg cgtcgaaact gtcatactct gtgtagtcgt 79860

ccggaaacat gcaggtccaa agagcggcca gcgcggtgct tgggagacac atgcgcccga 79920

ggacgctcac cgccgccagc gcctgggcgg gactcagctt tcccagcgcg gcgccgcgct 79980

cggttcccag ctcggggacc gagcgccagg gcgccagggg gtcggtttcg gacaacttgc 80040

cgcggcgcca gtctgccagc cgcgtgccga acatgaggcc ccgggtcgga gggcctccgg 80100

ccgaaaacgc tggcagcacg cggatgcggg cgtctggatg cggggtcagg cgctgcacga 80160

atagcatgga atctgctgcg ttctgaaacg cacgggggag ggtgagatgc atgtactcgt 80220

gttggcggac cagatccagg cgccaaaagg tgtaaatgtg ttccggggag ctggccacca 80280

gcgccaccag cacgtcgttc tcgttaaagg aaacgcggtg cctagtggag ctctggggtc 80340

cgagcggcgg ccccggggcc gccgcgtcac ccccccattc cagctgggcc cagcgacacc 80400

caaactcgcg cgtgagagtg gtcgcgacga gggcgacgta gagctcggcc gccgcatcca 80460

tcgaggcccc ccatctcgcc tggcggtggc gcacaaagcg tccgaagagc tgaaagttgg 80520

cggcctgggc gtcgctgagg gccagctgaa gccggttgat gacggtgagg acgtacatgg 80580

ccgtgacggt cgaggccgac tccagggtgt ccgtcggaag cgggggggcga atgcatgccg 80640

cctcgggaca catcagcagc gcgccgagct tgtcggtcac ggccgggaag cagagcgcgt 80700

actgcagtgg cgttccatcc gggaccaaaa agctgggggc gaacggccta tccagcgtac 80760

tggtggcctc gcgcagcacc aggggccccg ggcctccgct cactcgcagg tacgcctcgc 80820

cccggcggcg cagcatctgc gggtcggcct cttggccggg tggggcggac gcccgggcgc 80880

gggcgtctag ggcgcgaaga tccacgagca ggggcgcggg cgcggccgcc gcgcccgcgc 80940

ccgtctggcc tgtggccttg gcgtacgcgc tatataagcc catgcggcgt tggatgagct 81000

cccgcgcgcc ccggaactcc tccaccgccc atggggccag gtccccggcc accgcgtcca 81060

attccgccaa caggcccccc agggtgtcaa agttcatctc ccaggccacc cttggcacca 81120

cctcgtcccg cagccgggcg ctcaggtcgg cgtgttgggc cacgcgcccc ccgagctcct 81180

ccacggcccc ggcccgctcg gcgctcttgg cgcccaggac gccctggtac ttggcgggaa 81240

ggcgctcgta gtcccgctgg gctcgcagcc ccgacacagt gttggtggtg tcctgcaggg 81300

cgcgaagctg ctcgcatgcc gcgcgaaatc cctcgggcga tttccaggcc cccccgcgaa 81360

cgcggccgaa gcgaccccat acctcgtccc actccgcctc ggcctcctcg aaagacctcc 81420

gcagggcctc gacgcggcga cgggtgtcga agagcgactg caggcgcgcg ccctgtcgcg 81480

tcaggaggcc cgggccgtcg ccgctggccg cgcttagcgg gtgcgtctca aaggtgcgct 81540

gggcatgttc caaccaggcg accgcctgca cgtcgagctc gcgcgccttc tccgtctggt 81600

ccaacagaat ctcgacctga tccgcgatct cctccgccga gcgcgcctgg tccagcgtct 81660

tggccacggt cgccgggacg gcaaccacct tcagcagggt cttcagattg gccagaccct 81720

cggcctcgag ctgggcccgg cgctcgcgcg cggccagcac ctcccgcaac cccgccgtga 81780

cccgctcggt ggcttcggcg cgctgctgtt tggcgcgcac cacggcgtcc ttggtatcgg 81840

ccaggtcctg tcgggtcacg aatgcgacgt agtcggcgta cgccgtgtcc ttcacggggc 81900

tctggtccac gcgctccagc gccgccacac acgccaccag cgcgtcctcg ctcgggcagg 81960

gcagggtgac ccctgcccgg acaagctcgg cggccgccgc cgggtcgttg cgcaccgcgg 82020

atatctcctc cgcggcggcg gccaggtcca gcgccacgct tccgatcgcg cgccgcgcgt 82080

cggcccggag ggcgtccagg cgatcgcgga tatccacgta ctcggcgtag ccctttgaa 82140

aaaacggcac gtactggcgc agggccggca cgccccccaa gtcttccgac aggtgtagga 82200

cggcctcgtg gtagtcgata aacccgtcgt tcgcctgggc ccgctccagc agccccccg 82260

cgagccgcag aagccgcgcc aggggctcgg tgtccacccg aaacatgtcg gcgtacgtgt 82320

cggccgcggc cccgaaggcc gcgctccagt cgatgcggtg aatggctgcg agcgggggga 82380

gcatggggtg gcgctggttc tcgggggtgt atgggttaaa cgcaagggcc gtctccaggg 82440

caagggtcac cgccttggcg ttggttccca gcgcctgctc ggcccgcttt cggaagtccc 82500

gggggttgta gccgtgcgtg cccgccagcg cctgcaggcg acggagctcg accacgtcaa 82560

actcggcacc gctttccacg cggtccagca cggcctccac gtcggcggcc cagcgctcgt 82620

ggctactgcg ggcgcgctgg gccgccatct tctctctgag gtcggcggtg gcggcctcaa 82680

gttcgtcggc gcggcgtcgc gtggcgccga tgacctttcc cagctcctgc agggcgcgcc 82740

cgctggggga gtggtccccg gccgtccctt cggcgtgcaa caggcccccg aacctgccct 82800

cgtggcccgc gaggctttcc cgcgcgccgg tggtcgcgcg cgtcgcggcc tggatcaggg 82860

aggcatgctc tccctccggt tggttggcgg cccggcgcac ctggacgaca aggtcggcgg 82920

cagccgaccc taaggtcgtg agctgggcga tggcccccg cgcgtccagg gccaaccgag 82980

tcgccttgac gtatcccgcg gcgctgtcgg ccatggccgc taggaaggcc agggggggagg 83040

ccgggtcgct ggcggccgcg cccagggccg tcactgcgtc gaccaggacg cggtgcgccc 83100

gcacggccgc atccaccgtc gacgcggggt ctgccgtcgc gacggcggcg ctgccggcgt 83160

tgatggcgtt cgagacggcg tgggctatga tcggggcgtg atcggcgaag aactgcaaga 83220

gaaacggagt ctcgggggcg ttggcgaaca ggttcttcag caccaccacg aagctgggat 83280

gcaagccgga cagagccgtc gccgtgtccg gagtcgggtg ctccagggca tctcggtact 83340

gccccagcag cccccacatg tccgcccgca gcgccgccgt aacctccggg ggcgcccccc 83400

gaacggcctc ggggaggtcc gaccagcccg ccggcaggga ggcccgcagg gtcgtcagga 83460

cggccggaca ggcctttagc cccacaaagt cagggagggg ccgcaggacc ccctggagtt 83520

tgtgcaagaa cttctcccgg gcgtcgcggg ccaccttcgc ccgctcccgc gctccctcga 83580

gcattgcctc cagggagcgc gcgcgctccc gcaaacgggc acgcgcatcg ggggcgagct 83640

ctgccgtcag cttggcggca tccatggccc gcgcctgccg cagcgcttcc tcggccatgc 83700

gcgtggcctc tggcgacagc ccgccgtcgt cggggtaggg cgacgcgccg ggcgcaggaa 83760

caaaggccgc gtcgctgtcc agctgctggc ccagggccgc atctagggcg tcgaagcgcc 83820

gcagctcggc cagacccgag ctgcggcgcg cctgctggtc gttaatgtcg cggatgctgc 83880

gcgccagctc gtccagcggc ttgcgttcta tcagcccttg gttggcggcg tccgtcagga 83940

cggagagcca ggccgccagg tcctcggggg cgtccagcgt ctggccccgc tgtatcagat 84000

cccgcaacag gatggccgtg gggctggtcg cgatcggggg cggggcggga atggcggcgc 84060

tctgcgcgat gtcccgcgtg tgctggtcga agacaggcag ggactctagc agctggacca 84120

cgggcacgac ggcggccgaa gccacgtgaa accggcggtc gttgttgtcg ctggcctgca 84180

gagccttggc gctgtatacg gccccccggt aaaagtactc cttaaccgcg ccctcgatcg 84240

cccgacgggc ctgggtccgc acctcctcca gccgaacctg aacggcctcg gggcccaggg 84300

ggggtgggcg cggagccccc tgcggggccg ccccggccgg ggcgggcatt acgccgaggg 84360

gcccggcgtg ctgtgagacc gcgtcgaccc cgcgagcgag ggcgtcgagg gcctcgcgca 84420

tctggcgatc ctccgcctcc accctaatct cttcgccacg ggcaaatttg gccagagcct 84480

ggactctata cagaagcggt tctgggtgcg tcggggtggc gggggcaaaa agggtgtccg 84540

ggtgggcctg cgagcgctcc agaagccact cgccgaggcg tgtatacaga ttggccggcg 84600

gggccgcgcg aagctgcagc tccaggtccg cgagttcccc gtaaaaggcg tccgtctccc 84660

gaatgacatc cctagccaca aggatcagct tcgccagcgc caggcgaccg atcagagagt 84720

tttcgtccag cacgtgctgg acgaggggca gatgggcggc cacgtcggcc aggctcaggc 84780

gcgtggaggc cagaaagtcc cccacggccg ttttccgggg cagcatgctc agggtaaact 84840

ccagcagggc ggcggccggg ccggccaccc cggcctgggt gtgcgtccgg gccccgttct 84900

cgatgagaaa ggcgaggacg cgttcaaaga aaaaaataac acagagctcc agcagccccg 84960

gagaagccgg atacggcgac cgtaaggcgc tgatggtgag ccgcgaacac gcggcgacct 85020

cgcgggccag ggcggcggag cacgcggtga acttaaccgc cgtggcggcc acgtttgggt 85080

gggcctcgaa cagctgggca aggtctgcgc ccgggggctc gggtgagcgg cgagtcttca 85140

gcgcctcgag ggcctgcgag gacgccggaa ccgtgggccc gtcgtcctcg cccgcctcgg 85200

cgaccggcgg cccggccggg tcgggggggtg ccgaggcgag gacaggctcc ggaacggagg 85260

cggggaccgc ggccccgacg ggggttttgc ctttgggggt ggatttcttc ttggttttgg 85320

cagggggggc cgagcgtttc gttttctccc ccgaagtcag gtcttcgacg ctggaaggcg 85380

gagtccaggt gggtcggcgg cgcttgggaa ggccggccga gtagcgtgcc cggtgccgac 85440

caaccgggac gacgcccatc tccaggaccc gcatgtcgtc gtcatcttct tcggccgcct 85500

ctgcggcggg gggcttgggg gcggagggag gcggtggtgg gatcgcggag ggtgggtcgg 85560

cggagggggg atccgtgggt ggggtaccct tcagggccac cgcccataca tcgtcgggcg 85620

cccgattcgg gcgcttggcc tctggttttg ccgacggacc ggccgtcccc cgggatgtct 85680

cggaggccct gtcgtcgcga cgggcccggg tcggtggcgg cgactgggcg gctgtgggcg 85740

ggtggggccc cgtgccccct acccccctccc gggggcccac gccgacgcag ggctccccca 85800

ggcccgcgat ctcgccccgc agggggtgcg tgatggccac gcgccgttcg ctgaacgctt 85860

cgtcctgcag gtaagtctcg ctggccccgt aaagatgcag agccgcggcc gtcaagtccg 85920

caggagccgc gggttccggg cccgacggca cgaaaaacac catggctccc gcccaccgta 85980

cgtccgggcg atcgcgggtg taatacgtca ggtatggata catgtccccc gcccgcactt 86040

tggcgatgaa cgcgggggtg ccctccggaa ggccgtgcgg gtcaaaaagg tatgcggtgt 86100

cgccgtccct gaacagcccc atccctaggg ggccaatggt taggagcgtg tacgacaggg 86160

ggcgcagggc ccacgggccg gcgaagaacg tgtgtgcggg gcattgtgtc tccagcaggc 86220

ccgccgcggg ctccccgaag aagcccacct cgccgtatac gcgcgagaag acacagcgca 86280

gtccgccgcg cgcccctggg tactcgagga agttggggag ctcgacgatc gaacacatgc 86340

gcggcggccc agggcccgcg gtcgcgcgcg tccactcgcc cccctcgacc aaacaaccct 86400

cgatggcctc cgcggacaga acgtcgcgag ggcccacatc aaatatgagg ctgagaaagg 86460

acagcgacga gcgcatgcac gataccgacc cccccggctc caggtcgggc gcgaactggt 86520

tccgagcacc ggtgaccacg atgtcgcgat ccccccccgcg ttccatcgtg gagtgcggtg 86580

gggtgcccgc gatcatatgt gccctactgg ccagagaccc ggcctgttta tggaccggac 86640

ccccggggtt agtgttgttt ccgccaccca tgcccccgta ccatggcccc ggttcccctg 86700

attaggctac gagtcgcggt gatcgcttcc caaaaaccga gctgcgtttg tctgtcttga 86760

tctttccccc ccccgcccgc ccgcccgccc gcacaccata acaccgagaa caacacacgg 86820

gggtgggcgt aacataataa agctttattg gtaactagtt aacggcaagt ccgtgggtgg 86880

cgcgacggtg tcctccgggc tcatctcgtc gtcctcgacg ggggtgttgg aatgaggcgc 86940

cccctcgcgg tccgcctggc gtgggccgtg cccataggcc tccggcttct gtgcgtccat 87000

gggcataggc gcggggagac tgtttccggc gtcgcggacc tccaggtccc tgggagactc 87060

cggtccggct aacggacgaa acgcggaagc gcgaaacacg ccgtcggtga cccgcaggag 87120

ctcgttcatc agtaaccaat ccatactcag cgtaacggcc agcccctggc gagacagatc 87180

cacggagtcc ggaaccgcgg tcgtctggcc caggggggccg aggctgtagt ccccccaggc 87240

ccctaggtcg cgacggctcg taagcacgac gcggtcggcc gcggggcttt gcgggggggc 87300

gtcctcgggc gcatgcgcca ttacctctcg gatggccgcg gcgcgctggt cggccgagct 87360

gaccaagggc gccacgacca cggcgcgctc cgtctgcagg cccttccacg tgtcgtggag 87420

ttcctggaca aactcggcca cgggctcggg tcccgcggcc gcgcgcgcgg cttgatagca 87480

ggccgagaga cgccgccagc gcgctagaaa ctgacccatg aagcaaaacc cggggacctg 87540

gtctcccgac agcagcttcg acgcccgggc gtgaatgccg gacacgacgg acagaaaccc 87600

gtgaatttcg cgccggacca cggccagcac gttgtcctcg tgcgacacct gggccgccag 87660

ctcgtcgcac acccccaggt gcgccgtggt ttcggtgatg acggaacgca ggctcgcgag 87720

ggacgcgacc agcgcgcgct tggcgtcgtg atacatgctg cagtactgac tcaccgcgtc 87780

ccccatggcc tcgggggggcc agggccccag gcggtcgggc gtgtccccga ccaccgcata 87840

caggcggcgc ccgtcgctct cgaaccgaca ctcgaaaaag gcggagagcg tgcgcatgtg 87900

cagccgcagc agcacgatgg cgtcctccag ttggcgaatc agggggtctg cgcgctcggc 87960

gaggtcctgc agcacccccc gggcggccag ggcgtacatg ctaatcaaca ggaggctggt 88020

gcccacctcg gggggcgggg ggggctgcag ctggaccagg ggccgcagct gctcgacggc 88080

acccctggag atcacgtaca gctcccggag cagctgctct atgttgtcgg ccatctgcat 88140

agtggggccg aggccgcccc gggcggccgg ttcgaggagg gtaatcagcg cgcccagttt 88200

ggtgcgatgg ccctcgaccg tggggagata gcccagccca aagtcccggg cccaggccaa 88260

cacacgcagg gcgaactcga ccgggcgtgg aaggtaggcc gcgctacacg tggccctcaa 88320

cgcgtccccg accaccaggg ccagaacgta ggggacgaag cccgggtcgg cgaggacgtt 88380

ggggtgaatg ccctcgaggg cggggaagcg gatctgggtc gccgcggcca ggtggacaga 88440

gggggcgtgg ctgggctgcc cgacggggag aagcgcggac agcggcgtgg ccggggtggt 88500

gggggtgatg tcccagtggg tctgaccata cacgtcgatc cagatgagcg ccgtctcgcg 88560

gagaaggctg ggttgaccgg aactaaagcg gcgctcggcc gtctcaaact cccccacgag 88620

cgcccgccgc aggctcgcca gatgttccgt cggcacggcc ggacccatga tacgcgccag 88680

cgtctggctc agaacgcccc ccgacaggcc gaccgcctcg cagagccgcc cgtgcgtgtg 88740

ctcgctggcg ccctggaccc gcctgaaagt ttttacgtag ttggcatagt acccgtattc 88800

ccgcgccaga ccaaacacgt tcgaccccgc gagggcaatg cacccaaaga gctgctggac 88860

ttcgccgagt ccgtggccgg cgggcgtccg cgcggggacg cccgccgcca gaaacccctc 88920

cagggccgaa aggtagtgcg tgcagtgcga gggcgtgaac ccagcgtcga tcagggtgtt 88980

gatcaccacg gagggcgaat tggtattctg gatcaacgtc cacgtctgct gcagcagagc 89040

cagcagccgc tgctgggcgc cggcggaggg ctgctccccg agctgcagca ggctggagac 89100

ggcaggctgg aagactgcca gtgccgacga actcaggaac ggcacgtcgg gatcaaacac 89160

ggccacgtcc gtccgcacgc gcgccattag cgtccccggg ggcgcacagg ccgagcgcgg 89220

gctgacgcgg ctgagggccg tcgacacgcg cacctcctcg cggctgcgaa ccatcttgtt 89280

ggcctccagt ggcggaatca ttatggccgg gtcgatctcc cgcacggtgt gctgaaactg 89340

cgccaacagg ggcggcggga ccacagcccc ccgctcgggg gtcgtcaggt actcgtccac 89400

cagggccaac gtaaagaggg cccgtgtgag gggagtgagg gtcgcgtcgt ctatgcgctg 89460

gaggtgcgcc gagaacagcg tcacccgatt actcaccagg gccaagaacc ggaggccctc 89520

ttgcacgaac ggggcgggga agagcaggct gtacgccggg gtggtaaggt tcgcgctggg 89580

ctgccccaac gggaccggcg ccatcttgag cgacgtctcc ccaagggcct cgatggaggt 89640

ccgcgggctc atggccaagc agctcttggt gacggtttgc cagcggtcta tccactccac 89700

ggcgcactgg cggacgcgga ccggccccag ggccgccgcg gtgcgcaggc cggcggaatc 89760

cagcgcatgg gacgtgtcgg agccggtgac cgcgaggatg gtgtccttga tgacctccat 89820

ctcccggaag gcctggtcgg gggcctcggg gagagccacc accaagcggt gtacgagcaa 89880

cccggggagg ttctcggcca agagcgccgt ctccggaagc ccgtgggccc ggtggagcgc 89940

gcacaggtgt tccagcagcg gccgccagca tgcccgcgcg tctgccgggg cgatggccgt 90000

tcccgacaac agaaacgccg ccatggcggc gcgcagcttg gccgtggcca gaaacgccgg 90060

gtcgtccgcc ccgtttgccg tctcggccgt gggggttggc ggttggcgaa ggccggctag 90120

gctcgccaat aggcgctgca taggtccgtc cgagggcgga ccggcgggtg aggtcgtgac 90180

gacgggggcc tcggacggga gaccgcggtc tgccatgacg cccggctcgc gtgggtgggg 90240

gacagcgtag accaacgacg agaccgggcg ggaatgactg tcgtgcgctg tagggagcgg 90300

cgaattatcg atcccctgcg gccctccagg aaccccgcag gcgttgcgag taccccgcgt 90360

cttcgcgggg tgttatacgg ccacttaagt cccggcatcc cgttcgcgga cccaggcccg 90420

ggggattgtc cggatgtgcg ggcagcccgg acggcgtggg ttgcggactt tctgcggggc 90480

ggcccaaatg gccctttaaa cgtgtgtata cggacgcgcc gggccagtcg gccaacacaa 90540

cccaccggag gcggtagccg cgtttggctg tggggtgggt ggttccgcct tgcgtgagtg 90600

tcctttcgac ccccccctcc cccgggtctt gctaggtcgc gatctgtggt cgcaatgaag 90660

accaatccgc tacccgcaac cccttccgtg tggggcggga gtaccgtgga actcccccc 90720

accacacgcg ataccgcggg gcagggcctg cttcggtgcg tcctgcgccc cccgatctct 90780

cgccgcgacg gcccagtgct ccccaggggg tcgggacccc ggagggcggc cagcacgctg 90840

tggttgcttg gcctggacgg cacagacgcg ccccctgggg cgctgacccc caacgacgat 90900

accgaacagg ccctggacaa gatcctgcgg ggcaccatgc gcgggggggc ggccctgatc 90960

ggctccccgc gccatcatct aacccgccaa gtgatcctga cggatctgtg ccaacccaac 91020

gcggatcgtg ccgggacgct gcttctggcg ctgcggcacc ccgccgacct gcctcacctg 91080

gcccaccagc gcgccccgcc aggccggcag accgagcggc tgggcgaggc ctggggccag 91140

ctgatggagg cgaccgccct ggggtcgggg cgagccgaga gcgggtgcac gcgcgcgggc 91200

ctcgtgtcgt ttaacttcct ggtggcggcg tgtgccgcct cgtacgacgc gcgcgacgcc 91260

gccgatgcgg tacgggccca cgtcacggcc aactaccgcg ggacgcgggt gggggcgcgc 91320

ctggatcgtt tttccgagtg tctgcgcgcc atggttcaca cgcacgtctt cccccacgag 91380

gtcatgcggt ttttcggggg gctggtgtcg tgggtcaccc aggacgagct agcgagcgtc 91440

accgccgtgt gcgccgggcc ccaggaggcg gcgcacaccg gccacccggg ccggccccgc 91500

tcggccgtga tcctcccggc gtgtgcgttc gtggacctgg acgccgagct ggggctgggg 91560

ggcccgggcg cggcgtttct gtacctggta ttcacttacc gccagcgccg ggaccaggag 91620

ctgtgttgtg tgtacgtgat caagagccag ctccccccgc gcgggttgga gccggccctg 91680

gagcggctgt ttgggcgcct ccggatcacc aacacgattc acggcaccga ggacatgacg 91740

cccccggccc caaaccgaaa ccccgacttc cccctcgcgg gcctggccgc caatccccaa 91800

accccgcgtt gctcggctgg ccaggtcacg aacccccagt tcgccgacag gctgtaccgc 91860

tggcagccgg accttcgggg gcgccccacc gcacgcacct gtacgtacgc cgcctttgca 91920

gagctcggca tgatgcccga ggatagtccc cgctgcctgc accgcaccga gcgctttggg 91980

gcggtcagcg tccccgttgt tattctggaa ggcgtggtgt ggcgccccgg cgagtggcgg 92040

gcatgcgcgt gagcgtagca aacgccccgc ccacacaacg ctccgccccc aacccccttcc 92100

ccgctgtcac tcgtggttcg ttgacccgga cgtccgccaa ataaagccac tgaaacccga 92160

aacgcgagtg ttgtaacgtc ctttgggcgg gaggaagcca caaaatgcaa atgggataca 92220

tggaaggaac acacccccgt gactcaggac atcggcgtgt ccttttgggt ttcactgaaa 92280

ctggcccgcg ccccacccct gcgcgatgtg gataaaaagc cagcgcgggt ggtttagggt 92340

accacaggtg ggtgctttgg aaacttgtcg gtcgccgtgc tcctgtgagc ttgcgtccct 92400

ccccggtttc ctttgcgctc ccgccttccg gacctgctct cgcctatctt ctttggctgt 92460

cggtgcgatt cgtcaggcag cggccttgtc gaatctcgac cccaccactc gccggacccg 92520

ccgacgtccc ctctggagcc cgccgaaacc cgccgcgtct gttgaaatgg ccagccgccc 92580

agccgcatcc tctcccgtcg aagcgcgggc cccggttggg ggacaggagg ccggcggccc 92640

cagcgcagcc acccaggggg aggccgccgg ggcccctctc gcccacggcc accacgtgta 92700

ctgccagcga gtcaatggcg tgatggtgct ttccgacaag acgcccgggt ccgcgtccta 92760

ccgcatcagc gatagcaact ttgtccaatg tggttccaac tgcaccatga ttatcgacgg 92820

agacgtggtg cgcgggcgcc cccaggaccc gggggccgcg gcatcccccg ctcccttcgt 92880

tgcggtgaca aacatcggag ccggcagcga cggcgggacc gccgtcgttg cattcggggg 92940

aaccccacgt cgctcggcgg ggacgtctac cggtacccag acggccgacg tcccagccga 93000

ggcccttggg ggcccccctc ctcctccccg cttcaccctg ggtggcggct gttgctcctg 93060

tcgcgacaca cggcgccgct ctgcggtatt cgggggggag ggggatcccg tcggccccgc 93120

ggagttcgtc tcggacgacc ggtcgtccga ttccgactcg gatgactcgg aggacaccga 93180

ctcggagacg ctgtcacacg cctcctcgga cgtgtccggc ggggccacgt acgacgacgc 93240

ccttgactcc gattcgtcat cggatgactc cctgcagata gatggccccg tgtgtcgccc 93300

gtggagcaat gacaccgcgc ccctggatgt ttgccccggg acccccggcc cgggcgccga 93360

cgccggtggt ccctcagcgg tagacccaca cgcgccgacg acaggggccg gcgctggtct 93420

tgcggccgat cccgccgtgg cccgggacga cgcggagggg ctttcggacc cccggccacg 93480

tctgggaacg ggcacggcct accccgtccc cctggaactc acgcccgaga acgcggaggc 93540

cgtggcgcgc tttctgggag atgccgtgaa ccgcgaaccc gcgctcatgc tggagtactt 93600

ttgccggtgc gcccgcgagg aaaccaagcg tgtccccccc aggacattct gcagcccccc 93660

tcgcctcacg gaggacgact ttgggcttct caactacgcg ctcgtggaga tgcagcgcct 93720

gtgtctggac gttcctccgg tcccgccgaa cgcatacatg ccctattatc tcagggagta 93780

tgtgacgcgg ctggtcaacg ggttcaagcc gctggtgagc cggtccgctc gcctttaccg 93840

catcctgggg gttctggtgc acctgcggat ccggacccgg gaggcctcct ttgaggagtg 93900

gctgcgatcc aaggaagtgg ccctggactt tggcctgacg gaaaggcttc gcgagcacga 93960

agcccagctg gtgatcctgg cccaggctct ggaccattac gactgtctga tccacagcac 94020

accgcacacg ctggtcgagc gggggctgca atcggccctg aagtatgagg agttttacct 94080

aaagcgcttt ggcgggcact acatggagtc cgtcttccag atgtacaccc gcatcgccgg 94140

ctttttggcc tgccgggcca cgcgcggcat gcgccacatc gccctggggc gagaggggtc 94200

gtggtgggaa atgttcaagt tctttttcca ccgcctctac gaccaccaga tcgtaccgtc 94260

gacccccgcc atgctgaacc tggggacccg caactactac acctccagct gctacctggt 94320

aaacccccag gccaccacaa acaaggcgac cctgcgggcc atcaccagca acgtcagtgc 94380

catcctcgcc cgcaacgggg gcatcgggct atgcgtgcag gcgtttaacg actccggccc 94440

cgggaccgcc agcgtcatgc ccgccctcaa ggtcctcgac tcgctggtgg cggcgcacaa 94500

caaagagagc gcgcgtccga ccggcgcgtg cgtgtacctg gagccgtggc acaccgacgt 94560

gcgggccgtg ctccggatga agggggtcct cgccggcgaa gaggcccagc gctgcgacaa 94620

tatcttcagc gccctctgga tgccagacct gtttttcaag cgcctgattc gccacctgga 94680

cggcgagaag aacgtcacat ggaccctgtt cgaccgggac accagcatgt cgctcgccga 94740

ctttcacggg gaggagttcg agaagctcta ccagcacctc gaggtcatgg ggttcggcga 94800

gcagataccc atccaggagc tggcctatgg cattgtgcgc agtgcggcca cgaccgggag 94860

ccccttcgtc atgttcaaag acgcggtgaa ccgccactac atctacgaca cccaggggggc 94920

ggccatcgcc ggctccaacc tctgcaccga gatcgtccat ccggcctcca agcgatccag 94980

tggggtctgc aatctgggaa gcgtgaatct ggcccgatgc gtctccaggc agacgtttga 95040

ctttgggcgg ctccgcgacg ccgtgcaggc gtgcgtgctg atggtgaaca tcatgatcga 95100

cagcacgcta caacccacgc cccagtgcac ccgcggcaac gacaacctgc ggtccatggg 95160

aatcggcatg cagggcctgc acacggcctg cctgaagctg gggctggatc tggagtctgc 95220

cgaatttcag gacctgaaca aacacatcgc cgaggtgatg ctgctgtcgg cgatgaagac 95280

cagcaacgcg ctgtgcgttc gcggggcccg tcccttcaac cactttaagc gcagcatgta 95340

tcgcgccggc cgctttcact gggagcgctt tccggacgcc cggccgcggt acgagggcga 95400

gtgggagatg ctacgccaga gcatgatgaa acacggcctg cgcaacagcc agtttgtcgc 95460

gctgatgccc accgccgcct cggcgcagat ctcggacgtc agcgagggct ttgccccccc 95520

gttcaccaac ctgtttagca aggtgacccg ggacggcgag acgctgcgcc ccaacacgct 95580

cctgctaaag gaactggaac gcacgtttag cgggaagcgc ctcctggagg tgatggacag 95640

tctcgacgcc aagcagtggt ccgtggcgca ggcgctcccg tgcctggagc ccacccaccc 95700

cctccggcga ttcaagaccg cgtttgacta cgaccagaag ttgctgatcg acctgtgtgc 95760

ggaccgcgcc ccctacgtcg accatagcca atccatgacc ctgtatgtca cggagaaggc 95820

ggacgggacc ctcccagcct ccaccctggt ccgccttctg gtccacgcat ataagcgcgg 95880

actaaaaaca gggatgtact actgcaaggt tcgcaaggcg accaacagcg gggtctttgg 95940

cggcgacgac aacattgtct gcacgagctg cgcgctgtga ccgacaaacc ccctccgcgc 96000

caggcccgcc gccactgtcg tcgccgtccc acgcgctccc ccgctgccat ggattccgcg 96060

gccccagccc tctcccccgc tctgacggcc catacgggcc agagcgcgcc ggcggacctg 96120

gcgatccaga ttccaaagtg ccccgacccc gagaggtact tctacacctc ccagtgtccc 96180

gacattaacc acctgcgctc cctcagcatc cttaaccgct ggctggaaac cgagcttgtt 96240

ttcgtggggg acgaggagga cgtctccaag ctttccgagg gcgagctcag cttttaccgc 96300

ttcctcttcg ctttcctgtc ggccgccgac gacctggtta cggaaaacct gggcggcctc 96360

tccggcctgt ttgagcagaa ggacattctc cactactacg tggagcagga atgcatcgaa 96420

gtcgtacact cgcgcgtgta caacatcatc cagctggtgc tttttcacaa caacgaccag 96480

gcgcgccgcg agtacgtggc cggcaccatc aaccacccgg ccatccgcgc caaggtggac 96540

tggttggaag cgcgggtgcg ggaatgcgcc tccgttccgg aaaagttcat tctcatgatc 96600

ctcatcgagg gcatcttttt tgccgcctcg tttgccgcca tcgcctacct tcgcaccaac 96660

aaccttctgc gggtcacctg ccagtcaaac gacctcatca gccgggacga ggccgtgcac 96720

acgacggcct cgtgttacat ctacaacaac tacctcggcg ggcacgccaa gcccccgccc 96780

gaccgcgtgt acgggctgtt ccgccaggcg gtcgagatcg agatcggatt tatccgatcc 96840

caggcgccga cggacagcca tatcctgagc ccggcggcgc tggcggccat cgaaaactac 96900

gtgcgattca gcgcggatcg cctgttgggc cttatccaca tgaagccact gttttccgcc 96960

ccacccccg acgccagctt tccgctgagc ctcatgtcca ccgacaaaca caccaatttt 97020

ttcgagtgtc gcagcacctc ctacgccggg gcggtcgtca acgatctgtg agggtcgcgg 97080

cgcgcttcta cccgtgtttg cccataataa acctctgaac caaactttgg gtctcattgt 97140

gattcttgtc agggacgcgg gggtgggaga ggataaaagg cggcgcaaaa agcagtaacc 97200

aggtccggcc agattctgag ggcataggat accataattt tattggtggg tcgtttgttc 97260

ggggacaagc gcgctcgtct gacgtttggg ctactcgtcc cagaatttgg ccaggacgtc 97320

cttgtagaac gcgggtgggg gggcctgggt ccgcagctgc tccagaaacc tgtcggcgat 97380

atcaggggcc gtgatatgcc gggtcacgat agatcgcgcc aggttttcgt cgcggatgtc 97440

ctggtagata ggcaggcgtt tcagaagagt ccacggcccc cgctccttgg ggccgataag 97500

cgatatgacg tacttaatgt agcggtgttc caccagctcg gtgatggtca tgggatcggg 97560

gagccagtcc agggactctg gggcgtcgtg gatgacgtgg cgtcgccggc tggccacata 97620

actgcggtgc tcttccagca gctgcgcgtt cgggacctgg acgagctcgg gcggggtgag 97680

tatctccgag gaggacgacc tggggccggg gtggcccccg gtaacgtccc ggggatccag 97740

ggggaggtcc tcgtcgtctt cgtatccgcc ggcgatctgt tgggttagaa tttcggtcca 97800

cgagacgcgc gtctcggtgc cgccggtggc cggcggcaga gggggcctgg tttccgtgga 97860

gcgcgagctg gtgtgttccc ggcggatggc ccgccgggtc tgagagcgac tcgggggggt 97920

ccagtgacat tcgcgcagca catcctccac ggaggcgtag gtgttattgg gatggaggtc 97980

ggtgtggcag cggacaaaga gggccaggaa ctgggggtag ctcatcttaa agtacttcag 98040

tatatcgcga cagttgatcg tgggaatgta gcaggcgcta atatccaaca caatatcgca 98100

gcccatcaac aggaggtcag tgtccgtggt gtacacgtac gcgaccgtgt tggtgtgata 98160

gaggttggcg caggcatcgt ccgcctccag ctgacccgag ttaatgtagg cgtaccccag 98220

ggcccggaga acgcgaatac agaacagatg cgccagacgc agggccggct tcgagggcgc 98280

ggcggacggc agcgcggctc cggacccggc cgtcccccgg gtccccgagg ccagagaggt 98340

gccgcgtcgg cgcatgttgg aaaaggcaga gctgggtctg gagtcggtga tgggggaagg 98400

cggtggagag gcgtccacgt cactggcctc ctcgtccgtc cggcactggg ccgtcgtgcg 98460

ggccaggatg gccttggctc caaacacaac cggctccata caattgaccc cgcgatcggt 98520

aacgaagatg gggaaaaggg acttttgggt aaacaccttt aataagcgac agaggcagtg 98580

tagcgtaatg gcctcgcggt cgtaactggg gtatcggcgc tgatatttga ccaccaacgt 98640

gtacatgacg ttccacaggt ccacggcaat gggggtgaag tacccggccg gggccccaag 98700

gccccggcgc ttgaccagat ggtgtgtgtg ggcaaacttc atcatcccga acaaacccat 98760

gtcaggtcga ttgtaactgc ggatcggcct aactaaggcg tggttggtgc gacggtccgg 98820

gacacccgag cctgtctctc tgtgtatggt gacccagaca acaacaccga cacaagagga 98880

caataatccg ttaggggacg ctctttataa tttcgatggc ccaactccac gcggattggt 98940

gcagcaccct gcatgcgccg gtgcgggcca accttccccc cgctcattgc ctcttccaaa 99000

agggtgtggc ctaacgagct gggggcgtat ttaatcaggc tagcgcggcg ggcctgccgt 99060

agtttctggc tcggtgagcg acggtccggt tgcttgggtc ccctggctgc catcaaaacc 99120

ccaccctcgc agcggcatac gccccctccg cgtcccgcac ccgagacccc ggcccggctg 99180

ccctcaccac cgaagcccac ctcgtcactg tggggtgttc ccagcccgcg ttgggatgac 99240

ggattcccct ggcggtgtgg cccccgcctc ccacgtggag gacgcgtcgg acgcgtccct 99300

cgggcagccg gaggaggggg cgccctgcca ggtggtcctg cagggcgccg agcttaatgg 99360

aatcctacag gcgtttgccc cgctgcgcac gagccttctg gactcgcttc tggttatggg 99420

agaccggggc atccttatcc ataacacgat ctttggggag caggtgttcc tgcccctgga 99480

acactcgcaa ttcagtcggt atcgctggcg cggacccacg gcggcgttcc tgtctctcgt 99540

ggaccagaag cgctccctcc tgagcgtgtt tcgcgccaac cagtacccgg acctacgtcg 99600

ggtggagttg gcgatcacgg gccaggcccc gtttcgcacg ctggttcagc gcatatggac 99660

gacgacgtcc gacggcgagg ccgttgagct agccagcgag acgctgatga agcgcgaact 99720

gacgagcttt gtggtgctgg ttccccaggg aacccccgac gttcagttgc gcctgacgag 99780

gccgcagctc accaaggtcc ttaacgcgac cggggccgat agtgccacgc ccaccacgtt 99840

cgagctcggg gttaacggca aattttccgt gttcaccacg agtacctgcg tcacatttgc 99900

tgcccgcgag gagggcgtgt cgtccagcac cagcacccag gtccagatcc tgtccaacgc 99960

gctcaccaag gcgggccagg cggccgccaa cgccaagacg gtgtacgggg aaaataccca 100020

tcgtaccttc tctgtggtcg tcgacgattg cagcatgcgg gcggtgctcc ggcgactgca 100080

ggtcgccggg ggcaccctca agttcttcct cacgaccccc gtccccagtc tgtgcgtcac 100140

cgccaccggt cccaacgcgg tatcggcggt atttctcctg aaaccccaga agatttgcct 100200

ggactggctg ggtcatagcc aggggtctcc ttccgccggg agctcggcct cccgggcctc 100260

tgggagcgag ccaacagaca gccaggactc cgcgtcggac gcggtcagcc acggcgatcc 100320

ggaagacctc gatggcgctg cccgggcggg agaggcgggg gcctcgtacg cctgtccgat 100380

gccgtcgtcg accacgcggg tcactcccac gaccaagcgg gggcgctcgg ggggcgagga 100440

tgcgcacgcg gacacggccc taaagaaacc taagacgggg tcgcccaccg cacccccgcc 100500

cgcagatcca gtccccctgg acacggagga cgactccgat gcggcggacg ggacggcggc 100560

ccgtcccgcc gctccagacg cccgaagcgg aagccgttac gcgtgttact ttcgcgacct 100620

cccgaccgga gaagcaagcc ccggcgcctt ctccgccttc cgggggggcc cccaaacccc 100680

gtctggtttt ggattcccct gacggggcgg ggccttagcg gccgcccaac cctcgcaaca 100740

tcccggggtt aatgtaaata aacttggtat tgcccaacac tctcccgcgt gtcgcgtgtg 100800

gttcatgtgt gtgcctggcg cccccaccct cgggttcgtg tatttccttt ccctgtcctt 100860

ataaaagccg tatgtggggc gctgacggaa ccaccccgcg tgccatcacg gccaaggcgc 100920

gggatgctcc gcaacgacag ccaccgggcc gcgtccccgg aggacggcca gggacgggtc 100980

gacgacggac ggccacacct cgcgtgcgtg ggggccctgg cgcgggggtt catgcatatc 101040

tggcttcagg ccgccacgct gggttttgcg ggatcggtcg ttatgtcgcg cgggccgtac 101100

gcgaatgccg cgtctggggc gttcgccgtc gggtgcgccg tgctgggctt tatgcgcgcg 101160

ccccctcccc tcgcgcggcc caccgcgcgg atatacgcct ggctcaaact ggcggccggt 101220

ggagcggccc ttgttctgtg gagtctcggg gagcccggca cgcagccggg ggccctggcc 101280

ccgggcccgg ccacccagtg cctggcgctg ggcgccgcct atgcggcgct cctggtgctc 101340

gccgatgacg tctatccgct ctttctcctc gccccggggc ccctgttcgt cggcaccctg 101400

gggatggtcg tcggcgggct gacgatcgga ggcagcgcgc gctactggtg gatcggtggg 101460

cccgccgcgg ccgccctggc cgcggcggtg ttggcgggcc cgggggcgac caccgccagg 101520

gactgcttct ccagggcgtg ccccgaccac cgccgcgtct gcgtcatcgt cgcaggcgag 101580

tctgtttccc gccgcccccc ggaggaccca gagcgacccg gggacccagg gccaccgtcc 101640

cccccgacac cccaacgatc ccaggggccg ccggccgatg aggtcgcacc ggccggggta 101700

gcgcggcccg aaaacgtctg ggtgcccgtg gtcacctttc tgggggctgg cgcgctcgcc 101760

gtcaagacgg tgcgagaaca tgcccggggа acgccgggcc cgggcctgcc gctgtggccc 101820

caggtgtttc tcggaggcca tgtggcggtg gccctgacgg agctgtgtca ggcgcttgcg 101880

ccctgggacc ttacggaccc gctgctgttt gttcacgccg gactgcaggt catcaacctc 101940

gggttggtgt ttcggttttc cgaggttgtc gtgtatgcgg cgctaggggg tgccgtgtgg 102000

atttcgttgg cgcaggtgct ggggctccgg cgtcgcctgc acaggaagga ccccggggac 102060

ggggcccggt tggcggcgac gcttcggggc ctcttcttct ccgtgtacgc gctggggttt 102120

ggggtggggg cgctgctgtg ccctccgggg tcaacgggcg ggcggtcggg cgattgatat 102180

atttttcaat aaaaggcatt agtcccgaag accgccggtg tgtgatgatt tcgccataac 102240

acccaaaccc cggatggggc ccgggtataa attccggaag gggacacggg ctaccttcac 102300

taccgagggc gcttggtcgg gaggccgcat cgaacgcaca cccccatccg gtggtccgtg 102360

tggaggtcgt ttttcagtgc ccggtctcgc tttgccggga acgctagccg atccctcgcg 102420

agggggaggc gtcgggcatg gccccggggc gggtgggcct tgccgtggtc ctgtggagcc 102480

tggtgtggct cggggcgggg gtgtccgggg gctcggaaac tgcctccacc gggcccacga 102540

tcaccgcggg agcggtgacg aacgcgagcg aggcccccac atcggggtcc cccgggtcag 102600

ccgccagccc ggaggtcacc cccacatcga ccccaaaccc caacaatgtc acacaaaacc 102660

aaaccacccc caccgagccg gccagccccc caacaacccc caagcccacc tccacaccca 102720

aaagcccccc cacgtccacc cccgacccca aacccaagaa caacaccacc cccgccaagt 102780

cggaccgccc cactaaaccc cccgggcccg tgtggtgcga ccgccgcgat ttattggccc 102840

ggtacggctc gcgggtgcag atccgatgcc ggtttcggaa ttccacccgc atggagttcc 102900

gcctccagat atggcgttac tccatgggtc cgtccccccc aatcgctccg gctcccgacc 102960

tagaggaggt cctgacgaac atcaccgccc cacccggggg actcctggtg tacgacagcg 103020

cccccaacct aacggacccc cacgtgctct gggcggaggg ggccggcccg ggcgccgacc 103080

ctccgttgta ttctgtcacc gggccgctgc cgacccagcg gctgattatc ggcgaggtga 103140

cgcccgcgac ccagggaatg tattacttgg cctggggccg gatggacagc ccgcacgagt 103200

acgggacgtg ggtgcgcgtc cgcatgttcc gccccccgtc tctgaccctc cagccccacg 103260

cggtgatgga gggtcagccg ttcaaggcga cgtgcacggc cgccgcctac tacccgcgta 103320

accccgtgga gtttgtctgg ttcgaggacg accaccaggt gtttaacccg ggccagatcg 103380

acacgcagac gcacgagcac cccgacgggt tcaccacagt ctctaccgtg acctccgagg 103440

ctgtcggcgg ccaggtcccc ccgcggacct tcacctgcca gatgacgtgg caccgcgact 103500

ccgtgacgtt ctcgcgacgc aatgccaccg ggctggccct ggtgctgccg cggccaacca 103560

tcaccatgga atttggggtc cggcatgtgg tctgcacggc cggctgcgtc cccgagggcg 103620

tgacgtttgc ctggttcctg ggggacgacc cctcaccggc ggctaagtcg gccgttacgg 103680

cccaggagtc gtgcgaccgc cccgggctgg ctacggtccg gtccaccctg cccatttcgt 103740

acgactacag cgagtacatc tgtcggttga ccggatatcc ggccgggatt cccgttctag 103800

agcaccacgg cagtcaccag cccccaccca gggaccccac cgagcggcag gtgatcgagg 103860

cgatcgagtg ggtggggatt ggaatcgggg ttctcgcggc gggggtcctg gtcgtaacgg 103920

caatcgtgta cgtcgtccgc acatcacagt cgcggcagcg tcatcggcgg taacgcgaga 103980

ccccccccgtt acctttttaa tatctatata gtttggtccc cctctatccc gcccaccgct 104040

gggcgctata aagccgccac cctctcttcc ctcaggtcat ccttggtcga tcccgaacga 104100

cacacggcgt ggagcaaaac gcctcccccт gagccgcttт cctaccagcg caacggcatg 104160

cctctgcggg catcggaaca cgcctaccgg cccctgggcc ccgggacacc ccccatgcgg 104220

gctcggctcc ccgccgcggc ctgggttggc gtcgggacca tcatcggggg agttgtgatc 104280

attgccgcgt tggtcctcgt gccctcgcgg gcctcgtggg cactttcccc atgcgacagc 104340

ggatggcacg agttcaacct cgggtgcata tcctgggatc cgacccccat ggagcacgag 104400

caggcggtcg gcggctgtag cgccccggcg accctgatcc cccgcgcggc tgccaaacag 104460

ctggccgccg tcgcacgcgt ccagtcggca agatcctcgg gctactggtg ggtgagcgga 104520

gacggcattc gggcctgcct gcggctcgtc gacggcgtcg gcggtattga ccagttttgc 104580

gaggagcccg cccttcgcat atgctactat ccccgcagtc ccgggggctt tgttcagttt 104640

gtaacttcga cccgcaacgc gctggggctg ccgtgaggcg cgtgtactgc ggtctgtctc 104700

gtctcctctt ctccccttcc ctccccctcc gcatcccagg atcacaccgg ccaacgaggg 104760

ttggggggtc cggcacggac ccaaaataat aaacacacaa tcacgtgcga taaaaagaac 104820

acgcggtccc ctgtggtgtt tttggttatt tttattaaat ctcgtcgtca aacaggggga 104880

aaggggcgtg gtctagcgac ggcagcacgg gtggaggcgt tcaccggctc cggcgtcctt 104940

cgcgtttaag cttggtcagg agggcgctca gggcggcgac gttggtcggg ccgtcgttgg 105000

tcagggcgtt ggctcgatgg cgggcgagga cgggcgaggg gctcaacggc gggggcgggg 105060

gcccggtgcg gcccgggggg gaaaataggg cggatccccc ccagtcgtac aggggatttt 105120

ccgcctcaat gtacggggag gccggcgctg cattcgccgt gttcgcgcag acgttttcgt 105180

agacccgcat ccatggtatt tcctcgtaga cacgcccccc gtcctcgctc acagtctcgt 105240

atattgactc gtcgtcctcg taggggggcgt gccgttcgcg ggccgaggcg gcgtgggtgg 105300

ctttgcggcg ggcgtcgtcg tcgtcgtcgg ccgtcagata cgtggcttcc atctggtcgg 105360

gttctccctc cggggcgggt ccccacccccc gtggccgatc gaggctcccc agagacgcgc 105420

gccggacgag gagggggcac gtcgccgccg gcggtcgcct gtcgggtccc gcgacgttac 105480

gggccgggag gcgcgggggc acctccccca tgtgcgtgta atacgtggcc ggctgtgcgg 105540

ccgcagcggg gggctcggcg accgggtcgt ccgcatccgg aagcgggggc gccgcgccgt 105600

ccgcgcggcg cctccggaac cgccgggtgg ccgcgggggt cgagtgtagg cgaggtcggg 105660

ggaggggcgg gggctcgttg tcgcgccgcg cccgctgaat cttttcccga caggtcccac 105720

cccccgcgcg atgccccccc gggccgcggg ccatgtcgtc cgggggaggc cccgcggacc 105780

acgtcgtccg gcgagacgcc acgagccgca ggatggactc gtagtggagc gacggcgccc 105840

cgctgcggag cagatccgcg gccagggcgg ccccgaacca agccttgatg ctcaactcca 105900

tccgggccca gctgggggcg gtcatcgtgg ggaacagggg ggcggtggtc cgacagaaac 105960

gctcctggct gtccaccgcg gcccgcagat actcgttgtt caggctgtcg gtggcccaga 106020

cgccgtaccc ggtgagggtc gcgttgatga tatactgggc gtggtgatgg acgatcgaca 106080

gaacctccac cgtggatacg acggtatcca cggtcccgta cgtaccgccg ctccgcttgc 106140

cggtctgcca caggttggct aggcgcgtca ggtggcccag gacgtcgctg accgccgccc 106200

tgagcgccat gcactgcatg gagccggtcg tgccgctggg accccggtcc agatggcgcg 106260

cgaacgtttc cgcgggcgcc tccgggctgc cgccgagcgg gaggaaccgg cgattggagg 106320

gactcagccg gtggcatacg tgcttgtctg tcgtccacag catccaggac gcccaccggt 106380

acagcacgga gacgtaggcc aggagctcgt tgagccgcag tgcggtgtcg gtgctggggc 106440

ggcttgggtc cgccgggcgc ataaagaaca tgtactgctg aatccgatgg agggcgtcgc 106500

gcaggccggc cacggtggcg gcgtacttgg ccgccgcggc cccgctcttg aacggggtgc 106560

gcgccagcag ctttggcgcc agggtgggcc gcagcagcac gtgaaggctg gggtcgcagt 106620

cgcccacggg gtcctcgggg acgtccaggc cgctgggcac caccgtctgc aggtacttcc 106680

agtactgcgt gaggatggcg cggctcaact ggccgccggt gagctccacc tcgcccagcg 106740

cctgggtggc ggccgaagcg tagtgccgga tgtactcgta gtgcgggtcg ctggcgagcc 106800

cgtccacgat caaactctcg ggaaccgtgt tgtgttgccg cgcggccaac cggacgctgc 106860

gatcggtgca ggtcagaaac gccggctgcg cgtcgtcgga gcgctgccgc aaggcgccca 106920

cggccgcgct aaggagcccc tccggggtgg ggagcagaca cccgccgaag atgcgccgct 106980

cgggaacgcc cgcgttgtcg ccgcggatca ggttggcagg cgtcaggcac cgcgccagcc 107040

gcagggagct cgcgccgcgc gtccggcgct gcatggtgac gcccgttcgg tcgggacccg 107100

ccggtcggag ttatgccgcg tccagggcca tcggggcgct ttttatcggg aggagcttat 107160

gggcgtggcg ggcctcccag cccggtcgcg cgcctccccg acacgtgcgc ccgcagggcg 107220

gcggcccccc cgtctcccat cagcagtttc ctaaactggg acatgatgtc caccacgcgg 107280

acccgcgggc ccaacacgga cccgccgctt acgggggcgg gggggaaggg ctccaggtcc 107340

ttgagaagaa aggcggggtc tgccgtcccg gacacggggg cccggggcgc tgaggaggcg 107400

gggcgcagat ccacgtgctc cgcggccgcg cggacgtccg cccagaactt ggcgggggtg 107460

gtgcgcgcgt acaggggctg ggtcgctcgg aggacgcacg cgtagcgcag gggggtgtac 107520

gtgcccacct cgggggccgt gaatcccccg tcaaacgcgg ccagtgtcac gcacgccacc 107580

acggtgtcgg caaagcccag cagccgctgc aggacgagcc cggcggccag aatggcgcgc 107640

gtggccgccg cgtcgtcccg gcgccggtgc gcgtccccgc acgcccgggc gtactttaag 107700

gtcacggtcg ccagggccgt gtgcagcgcg tacaccgcag cgcccagcac ggcgttgagc 107760

ccgctgttgg cgagcagccg gcgcgctgcg gtgtcgccca gcgcctcgtg ctcggccccc 107820

acgaccgcgg ggcttcccag gggcagggcg cgaaacagct cctcccgcgc cacgtccgca 107880

aaggcggggt ggtgcacgtg cgggtgcagg cgcgccccca cgaccaccga gagccactgg 107940

accgtctgct ccgccatcac cgccagcaca tccagcacgc gccccaggaa ggcggcctcc 108000

cgcgtcaaaa cgcaccggac ggcgtcggga ttgaagcggg cgagcagggc cccggtggcc 108060

aggtacgtca tgcggccggc atagcgggcg gccacgcgac agtcgcggtc cagcagcgcg 108120

cgcaccccgg gccagtacag cagggacccc agcgagctgc gaaacaccgc ggcgtcgggg 108180

ccggattggg gggacactaa ccccccgcg ctcagtaacg gcacggccgc ggccccgacg 108240

ggacgcaacg ccgtgaggct cgcgaactgc cgcctcagct cggcagccct gtcgtccagg 108300

tccgacccgc gcgcctctgc gtgaaggcgc gtcccgcaca cccacccgtt gatggccagc 108360

cgcacgacgg catccgccaa aaagctcatc gcctgggcgg ggctggtttt tgttcgacga 108420

tccgtcaggt caagaatccc atcgcccgtg atataccagg ccaacgcctc gccctgctgc 108480

agggtttggc ggaaaaacac cgcggggttg tcgggggagg cgaagtgcat gacccccacg 108540

cgcgataacc cgaacgcgct atccggacac gggtaaaacc cggccggatg ccccagggct 108600

agggcggagc gcacggactc gtcccacacg gcaacctgag gggccagtcg atccaacggg 108660

aatgccgccc ggagctccgg gcccggcacg cgtccctcca gaacctccac cttgggcggg 108720

gaacgggccc cgccgccgtc ctccggcccg acgtcttccg ggtagtcgtc ctcctcgtac 108780

tgcagctcct ctaggaacag cggcgacggc gccacccgcg aaccgccgac ccgccccaaa 108840

atagcccgcg cgtcgacggg acccaggtat ccccccctgcc gggcctgcgg aggaccgcgg 108900

ggaacctcat catcatcgtc caggcgaccg cgcaccgact ggctacgggc cgcatcgggc 108960

ccggggcgct gccgggacgc tcggcgatgg gatgtgggcg gggcttccga cgcgcgccgt 109020

cgtcgggctc gcgggccttc ccgtcgacgg cgcacgggcg gctcgtcgcc cgccatctcc 109080

tccagagcct ctagctcgct gtcgtcatcc ccgcggaaca ccgcacgcag gtaccccatg 109140

aaccccaccc catcgcccgc tggctcgtcc gccacgggcg aggcgcgggg gcgggtggat 109200

gcgcgcctcc tacgccccgc gggttcgcga gccgacatgg tggcgataga cgcgggttat 109260

cggatgtccg ctacccccca aaaaagaaaa agaccccaca gcgcggatgg aggccggggt 109320

aggtgccgcc ggacccccctc gcgatgggaa tggacgggag cgacggggcc ggcgcaaaaa 109380

acgcagtatc tcccgcgaag gctacccgcc gccccagccc ccggccaaat gcggaaacgg 109440

tcccgcgctc tcgcctttat acgcgggccg ccctgcgaca caatcacccg tccgtggttt 109500

cgaatctaca cgacaggccc gcagacgcgg ctaacacaca cgccggcaac ccagacccca 109560

gtgggttggt tgcgcggtcc cgtctcctgg ctagttcttt tccccaccac caaataatca 109620

gacgacaacc gcaggttttt gtaatgtatg tgctcgtgtt tattgtggat acgaaccggg 109680

gacgggaggg gaaaacccag acgggggatg cgggtccggt cgcgcccccct acccaccgta 109740

ctcgtcaatt ccaagggcat cggtaaacat ctgctcaaac tcgaagtcgg ccatatccag 109800

agcgccgtag ggggcggagt cgtgggggggt aaatcccgga cccggggaat ccccgtcccc 109860

caacatgtcc agatcgaaat cgtctagcgc gtcggcatgc gccatcgcca cgtcctcgcc 109920

gtctaagtgg agctcgtccc ccaggctgac atcggtcggg ggggccgtcg acagtctgcg 109980

cgtgtgtccc gcggggagaa aggacaggcg cggagccgcc agccccgcct cttcgggggc 110040

gtcgtcgtcc gggagatcga gcaggccctc gatggtagac ccgtaattgt ttttcgtacg 110100

cgcgcggctg tacgcgtgtt cccgcatgac cgcctcggag ggcgaggtcg tgaagctgga 110160

atacgagtcc aacttcgccc gaatcaacac cataaagtac ccagaggcgc gggcctggtt 110220

gccatgcagg gtgggagggg tcgtcaacgg cgcccctggc tcctccgtag ccgcgctgcg 110280

caccagcggg aggttaaggt gctcgcgaat gtggtttagc tcccgcagcc ggcgggcctc 110340

gattggcact ccccggacgg tgagcgctcc gttgacgaac atgaagggct ggaacagacc 110400

cgccaactga cgccagctct ccaggtcgca acagaggcag tcaaacaggt cgggccgcat 110460

catctgctcg gcgtacgcgg cccataggat ctcgcgggtc aaaaatagat acaaatgcaa 110520

aaacagaaca cgcgccagac gagcggtctc tcggtagtac ctgtccgtga tcgtggcgcg 110580

cagcatttct cccaggtcgc gatcgcgtcc gcgcatgtgc gcctggcggt gcagctgccg 110640

gacgctggcg cgcaggtacc ggtacagggc cgagcagaag ttggccaaca cggttcgata 110700

gctctcctcc cgcgcccgta gctcggcgtg gaagaaacga gagagcgctt cgtagtagag 110760

cccgaggccg tcgcgggtgg ccggaagcgt cgggaaggcc acgtcgccgt gggcgcgaat 110820

gtcgatttgg gcgcgttcgg ggacgtacgc gtccccccat tccaccacat cgctgggcag 110880

cgttgatagg aatttacact cccggtacag gtcggcgttg gtcggtaacg ccgaaaacaa 110940

atcctcgttc caggtatcga gcatggtaca tagcgcgggg cccgcgctaa agcccaagtc 111000

gtcgaggaga cggttaaaga gggcggcggg ggggacgggc atgggcgggg agggcatgag 111060

ctgggcctgg ctcaggcgcc ccgttgcgta cagcggaggg gccgccgggg tgtttttggg 111120

acccccggcc gggcgggggg gtggtggcga agcgccgtcc gcgtccatgt cggcaaacag 111180

ctcgtcgacc aagaggtcca ttgggtgggg ttgatacggg aaagacgata tcgggctttt 111240

gatgcgatcg tccccgcccg cccagagagt gtgggacgcc cgacggcgcg ggaagagaaa 111300

aacccccaaa cgcgttagag gaccggacgg accttatggg gggaagtggg cagcgggaac 111360

cccgtccgtt cccgaggaat gacagcccgt ggtcgccacc ccgcatttaa gcaacccgca 111420

cgggccgccc cgtacctcgt gacttccccc cacattggct cctgtcacgt gaaggcgaac 111480

cgagggcggc tgtccaaccc acccccccgcc acccagtcac ggtccccgtc ggattgggaa 111540

acaaaggcac gcaacgccaa caccgaatga acccctgttg gtgctttatt gtctgggtac 111600

ggaagttttt cactcgacgg gccgtctggg gcgagaagcg gagcgggctg gggctcgagg 111660

tcgctcggtg gggcgcgacg ccgcagaacg ccctcgagtc gccgtggccg cgtcgacgtc 111720

ctgcaccacg tctggattca ccaactcgtt ggcgcgctga agcaggtttt tgccctcgca 111780

gaccgtcacg cggatggtgg tgatgccaag gagttcgttg aggtcttcgt ctgtgcgcgg 111840

acgcgacatg tcccagagct ggaccgccgc catccgggca tgcatggccg ccaggcgccc 111900

gaccgcggcg cagaagacgc gcttgttaaa gccggccacc cgggggggtcc atggcgcgtc 111960

ggggtttggg ggggcggtgc taaagtgcag ctttctggcc agcccctgcg cgggtgtctt 112020

ggatcgggtt ggcgccgtcg acgcgggggc gtctgggagt gcggcggatt ctggctgggc 112080

cgatttcctg ccgcgggtgg tctccgccgc cggggccgcg ggggccttag tcgccacccg 112140

ctgggttcgg ggggcccggg gggcggtggt gggtgtgcgt ccggcccctc cggacccagc 112200

gggcggcgga ggcgcccgcg caggccccgg gccggacaaa accgccccgg aaacgggacg 112260

ccgcgtccgg gggacctccg ggtgttcgtc gtcttcggat gacgagcccc cgtagagggc 112320

ataatccgac tcgtcgtact ggacgaaacg gacctcgccc ctcgggcgcg cgcgtgtctg 112380

tagggcgcca cggcgggagg tggcaggcgg actatcggga ctcgccatac atgaagacgg 112440

ggtgtagtac agatcctcgt actcatcgcg cggaacctcc cgcggacccg acttcacgga 112500

gcggcgagag gtcatggttc cacgaacacg ctagggtcgg atgcgcggac aattaggcct 112560

gggttcggac ggcggggggt ggtgcaggtg tggagaggtc gagcgatagg ggcggcccgg 112620

gagagaagag agggtccgca aaacccactg gggatgcgtg agtggccctc tgtgggcggt 112680

gggggagagt cttataggaa gtgcatataa ccacaaccca tgggtctaac caatccccag 112740

gggccaagaa acagacacgc cccaaacggt ctcggtttcc gcgaagaagg ggaagtcctg 112800

ggacaccctc cacccccacc cctcacccca cacagggcgg gttcaggcgt gcccggcagc 112860

cagtagcctc tggcagatct gacagacgtg tgcgataata cacacgccca tcgaggccat 112920

gcctacataa aagggcacca gggcccccgg ggcagacatt tggccagcgt tttgggtctc 112980

gcaccgcgcg cccccgatcc catcgcgccc gccctcctcg ccgggcggct ccccgtgcgg 113040

gcccgcgtct cccgccgcta aggcgacgag caagacaaac aacaggcccg cccgacagac 113100

ccttctgggg gggcccatcg tccctaacag gaagatgagt cagtggggat ccggggcgat 113160

ccttgtccag ccggacagct tgggtcgggg gtacgatggc gactggcaca cggccgtcgc 113220

tactcgcggg ggcggagtcg tgcaactgaa cctggtcaac aggcgcgcgg tggcttttat 113280

gccgaaggtc agcggggact ccggatgggc cgtcgggcgc gtctctctgg acctgcgaat 113340

ggctatgccg gctgactttt gtgcgattat tcacgccccc gcgctatcca gcccagggca 113400

ccacgtaata ctgggtctta tcgactcggg gtaccgcgga accgttatgg ccgtggtcgt 113460

agcgcctaaa aggacgcggg aatttgcccc cgggaccctg cgggtcgacg tgacgttcct 113520

ggacatcctg gcgccccccc cggccctcac caagccgatt tccctgcggc agttcccgca 113580

actggcgccc ccccctccaa ccggggccgg gatacgcgca gatccttggt tggaggggggc 113640

gctcggggac ccaagcgtga ctccggccct accggcgcga cgccgagggc ggtccctcgt 113700

ctatgccggc gagctgacgc cggttcagac ggaacacggg gacggcgtac gagaagccat 113760

cgccttcctt ccaaaacgcg aggaggatgc cggtttcgac attgtcgtcc gtcgcccggt 113820

caccgtcccg gcaaacggca ccacggtcgt gcagccatcc ctccgcatgc tccacgcgga 113880

cgccgggccc gcggcctgtt atgtgttggg gcggtcgtcg ctcaacgccc gcggcctcct 113940

ggtcgttcct acgcgctggc tccccgggca cgtatgtgcg tttgttgttt acaaccttac 114000

gggggttcct gtgaccctcg aggccggcgc caaggtcgcc cagctcctgg ttgcgggggc 114060

ggacgctctt ccttggatcc ccccggacaa ctttcacggg accaaagcgc ttcgaaacta 114120

ccccaggggt gttccggact caaccgccga acccaggaac ccgccgctct tggtgtttac 114180

gaacgagttt gacgcggagg ccccccccgag cgagcgcggg accgggggtt ttggctctac 114240

cggtatttag cccatagctt ggggttcgtt ccgggcaata aaaaacgttt gtatctcatc 114300

tttcctgtgt gtagttgttt ctgttggagg cctgtgggtc tatcacaccc gcccctccat 114360

cccacaaaca cagaacacac gggttggatg aaaacacgca tttattgacc caaaacacac 114420

ggagctgctc gagatgggcc agggcgaggt gcggttgggg aggctgtagg tctgggaacg 114480

gacacgcggg gacacgattc cggtttgggg tccgggaggg cgtcgccgtt tcgggcggca 114540

ggcgccagcg taacctccgg gggcggcgtg tgggggtgcc ccaaggaggg cgcctcggtc 114600

accccaagcc cccccaagcg ggttcccccg gcaaccccga aggcggagag gccaagggcc 114660

cgttcggcga tggccacatc ctccatgacc acgtcgctct cggccatgct ccgaatagcc 114720

tgggagacga gcacatccgc ggacttgtca gccgccccca cggacatgta catctgcagg 114780

atggtggcca tacacgtgtc cgccaggcgc cgcatcttgt cctgatgggc cgccacggcc 114840

ccgtcgatcg tgggggcctc gagcccgggg tggtggcgcg ccagtcgttc taggttcacc 114900

atgcaggcgt ggtacgtgcg ggccaaggcg cgggccttca cgaggcgtcg ggtgtcgtcc 114960

agggacccca gggcgtcatc gagcgtgatg ggggcgggaa gtagcgcgtt aacgaccacc 115020

agggcctcct gcagccgcgg ctccgcctcc gagggcggaa cggccgcgcg gatcatctca 115080

tattgttcct cggggcgcgc tccccagcca catatagccc cgagaagaga agccatcgcg 115140

ggcgggtact ggcccttggg cgcgcggacg caatggggca ggaagacggg aaccgcgggg 115200

agaggcgggc ggccgggact cccgtggagg tgaccgcgct ttatgctacc gacgggtgcg 115260

ttattacctc ttcgatcgcc ctcctcacaa actctctact gggggccgag ccggtttata 115320

tattcagcta cgacgcatac acgcacgatg gccgtgccga cgggcccacg gagcaagaca 115380

ggttcgaaga gagtcgggcg ctctaccaag cgtcgggcgg gctaaatggc gactccttcc 115440

gagtaacctt ttgtttattg gggacggaag tgggtgggac ccaccaggcc cgcgggcgaa 115500

cccgacccat gttcgtctgt cgcttcgagc gagcggacga cgtcgccgcg ctacaggacg 115560

ccctggcgca cgggaccccg ctacaaccgg accacatcgc cgccaccctg gacgcggagg 115620

ccacgttcgc gctgcatgcg aacatgatcc tggctctcac cgtggccatc aacaacgcca 115680

gcccccgcac cggacgcgac gccgccgcgg cgcagtatga tcagggcgcg tccctacgct 115740

cgctcgtggg gcgcacgtcc ctgggacaac gcggccttac cacgctatac gtccaccacg 115800

aggcgcgcgt gctggccgcg taccgcaggg cgtattatgg aagcgcgcag agtcccttct 115860

ggtttcttag caaattcggg ccggacgaaa aaagcctggt gctcaccact cggtactacc 115920

tgcttcaggc ccagcgtctg gggggcgcgg gggccacgta cgacctgcag gccatcaagg 115980

acatctgcgc cacctacgcg attccccacg ccccccgccc cgacaccgtc agcgccgcgt 116040

ccctgacctc gtttgccgcc atcacgcggt tctgttgcac gagccagtac gcccgcgggg 116100

ccgcggcggc cgggtttccg ctttacgtgg agcgccgtat tgcggccgac gtccgcgaga 116160

ccagtgcgct ggagaagttc ataacccacg atcgcagttg cctgcgcgtg tccgaccgtg 116220

aattcattac gtacatttac ctggcccatt ttgagtgttt cagccccccg cgcctagcca 116280

cgcatcttcg ggccgtgacg acccacgacc ccaaccccgc ggccaacacg gagcagccct 116340

cgcccctggg cagggaggcc gtggaacaat ttttttgcca cgtgcgcgcc caactgaata 116400

tcggggagta cgtcaaacac aacgtgaccc cccgggagac cgtcctggat ggcgatacgg 116460

ccaaggccta cctgcgcgct cgcacgtacg cgcccggggc cctgacgccc gcccccgcgt 116520

attgcggggc cgtggactcc gccaccaaaa tgatggggcg tttggcggac gccgaaaagc 116580

tcctggtccc ccgcgggtgg cccgcgtttg cgcccgccag tcccggggag gatacggcgg 116640

gcggcacgcc gcccccacag acctgcggaa tcgtcaagcg cctcctgaga ctggccgcca 116700

cggaacaaca ggacaccacg cccccggcga tcgcggcgct tatccgtaat gcggcggtgc 116760

agactcccct gcccgtctac cggatatcca tggtccccac gggacaggca tttgccgcgc 116820

tggcctggga cgactgggcc cgcataacgc gggacgctcg cctggccgaa gcggtcgtgt 116880

ccgccgaagc ggcggcgcac cccgaccacg gcgcgctggg caggcggctc acggatcgca 116940

tccgcgccca gggccccgtg atgccccctg gcggcctgga tgccgggggg cagatgtacg 117000

tgaatcgcaa cgagatattc aacggcgcgc tggcaatcac aaacatcatc ctggatctcg 117060

acatcgccct gaaggagccc gtccccctttc gccggctcca cgaggccctg ggccacttta 117120

ggcgcggggc tctggctgcg gttcagctcc tgtttcccgc ggcccgcgtg gaccccgacg 117180

catatccctg ttatttttttc aaaagcgcat gtcggcccgg cccggcgtcc gtgggttccg 117240

gcagcggact cggcgacgac ggggactggt ttccctgcta cgacgacgcc ggtgatgagg 117300

agtgggcgga ggacccgggc gccatggaca catcccacga tcccccggac gacgaggttg 117360

cctactttga cctgtgccac gaagtcggcc ccacggcgga acctcgcgaa acggattcgc 117420

ccgtgtgttc ctgcaccgac aagatcggac tgcgggtgtg catgcccgtc cccgccccgt 117480

acgtcgtcca cggttctcta acgatgcggg gggtggcacg ggtcatccag caggcggtgc 117540

tgttggaccg agattttgtg gaggccatcg ggagctacgt aaaaaacttc ctgttgatcg 117600

atacgggggt gtacgcccac ggccacagcc tgcgcttgcc gtattttgcc aaaatcgccc 117660

ccgacgggcc tgcgtgcgga aggctgctgc cagtgtttgt gatccccccc gcctgcaaag 117720

acgttccggc gtttgtcgcc gcgcacgccg acccgcggcg cttccatttt cacgccccgc 117780

ccacctatct cgcttccccc cgggagatcc gtgtcctgca cagcctgggt ggggactatg 117840

tgagcttctt tgaaaggaag gcgtcccgca acgcgctgga acactttggg cgacgcgaga 117900

ccctgacgga ggtcctgggt cggtacaacg tacagccgga tgcgggggggg accgtcgagg 117960

ggttcgcatc ggaactgctg gggcggatag tcgcgtgcat cgaaacccac tttcccgaac 118020

acgccggcga atatcaggcc gtatccgtcc ggcgggccgt cagtaaggac gactgggtcc 118080

tcctacagct agtccccgtt cgcggtaccc tgcagcaaag cctgtcgtgt ctgcgcttta 118140

agcacggccg ggcgagtcgc gccacggcgc ggacattcgt cgcgctgagc gtcggggcca 118200

acaaccgcct gtgcgtgtcc ttgtgtcagc agtgctttgc cgccaaatgc gacagcaacc 118260

gcctgcacac gctgtttacc attgacgccg gtacgccatg ctcgccgtcc gttccctgca 118320

gcacctctca accgtcgtct tgataacggc gtacggcctc gtgctcgtgt ggtacaccgt 118380

cttcggtgcc agtccgctgc accgatgtat ttacgcggta cgccccaccg gcaccaacaa 118440

cgacaccgcc ctcgtgtgga tgaaaatgaa ccagacccta ttgtttctgg gggccccgac 118500

gcacccccccc aacgggggct ggcgcaacca cgcccatatc tgctacgcca atcttatcgc 118560

gggtagggtc gtgcccttcc aggtcccacc cgacgccatg aatcgtcgga tcatgaacgt 118620

ccacgaggca gttaactgtc tggagaccct atggtacaca cgggtgcgtc tggtggtcgt 118680

agggtggttc ctgtatctgg cgttcgtcgc cctccaccaa cgccgatgta tgtttggtgt 118740

cgtgagtccc gcccacaaga tggtggcccc ggccacctac ctcttgaact acgcaggccg 118800

catcgtatcg agcgtgttcc tgcagtaccc ctacacgaaa attacccgcc tgctctgcga 118860

gctgtcggtc cagcggcaaa acctggttca gttgtttgag acggacccgg tcaccttctt 118920

gtaccaccgc cccgccatcg gggtcatcgt aggctgcgag ttgatgctac gctttgtggc 118980

cgtgggtctc atcgtcggca ccgctttcat atcccggggg gcatgtgcaa tcacataccc 119040

cctgtttctg accatcacca cctggtgttt tgtctccacc atcggcctga cagagctgta 119100

ttgtattctg cggcggggcc cggcccccaa gaacgcagac aaggccgccg ccccggggcg 119160

atccaagggg ctgtcgggcg tctgcgggcg ctgctgttcc atcatcctct cgggcatcgc 119220

agtgcgattg tgttatatcg ccgtggtggc cggggtggtg ctcgtggcgc ttcactacga 119280

gcaggagatc cagaggcgcc tgtttgatgt atgacgtcac atccaggccg gcggaaaccg 119340

gaacggcata tgcaaattgg aaactgtcct gtcttggggc ccacccaccc gacgcgtcat 119400

atgcaaatga aaatcggtcc cccgaggcca cgtgtagcct ggatcccaac gaccccgccc 119460

atgggtccca attggccgtc ccgttaccaa gaccaaccca gccagcatat ccacccccgc 119520

ccgggtcccc gcggaagcgg aacggtgtat gtgatatgct aattaaatac atgccacgta 119580

cttatggtgt ctgattggtc cttgtctgtg ccggaggtgg ggcgggggcc ccgcccgggg 119640

ggcggaacga ggaggggttt gggagagccg gccccggcac cacgggtata aggacatcca 119700

ccacccggcc ggtggtggtg tgcagccgtg ttccaaccac ggtcacgctt cggtgcctct 119760

ccccgattcg ggcccggtcg ctcgctaccg gtgcgccacc accagaggcc atatccgaca 119820

ccccagcccc gacggcagcc gacagcccgg tcatggcgac tgacattgat atgctaattg 119880

acctcggcct ggacctctcc gacagcgatc tggacgagga cccacccgag ccggcggaga 119940

gccgccgcga cgacctggaa tcggacagca gcggggagtg ttcctcgtcg gacgaggaca 120000

tggaagaccc ccacggagag gacggaccgg agccgatact cgacgccgct cgcccggcgg 120060

tccgcccgtc tcgtccagaa gaccccggcg tacccagcac ccagacgcct cgtccgacgg 120120

agcggcaggg ccccaacgat cctcaaccag cgccccacag tgtgtggtcg cgcctcgggg 120180

cccggcgacc gtcttgctcc cccgagcagc acgggggcaa ggtggcccgc ctccaacccc 120240

caccgaccaa agcccagcct gcccgcggcg gacgccgcgg gcgtcgcagg ggtcggggtc 120300

gcggtggtcc cggggccgcc gatggtttgt cggacccccg ccggcgtgcc cccagaacca 120360

atcgcaaccc ggggggaccc cgccccgggg cggggtggac ggacggcccc ggcgcccccc 120420

atggcgaggc gtggcgcgga agtgagcagc ccgacccacc cggaggcccg cggacacggg 120480

gcgtgcgcca agcacccccc ccgctaatga cgctggcgat tgccccccgg cccgcggacc 120540

cccgcgcccc ggccccggag cgaaaggcgc ccgccgccga caccatcgac gccaccacgc 120600

ggttggtcct gcgctccatc tccgagcgcg cggcggtcga ccgcatcagc gagagctttg 120660

gccgcagcgc acaggtcatg cacgacccct ttgggggggca gccgtttccc gccgcgaata 120720

gcccctgggc cccggtgttg gcgggccaag gagggccctt tgacgccgag accagacggg 120780

tctcctggga aaccttggtc gcccacggcc cgagcctcta tcgcactttt gccggcaatc 120840

ctcgggccgc atcgaccgcc aaggccatgc gcgactgcgt gctgcgccaa gaaaatttca 120900

tcgaggcgct ggcctccgcc gacgagacgc tggcgtggtg caagatgtgc atccaccaca 120960

acctgccgct gcgcccccag gaccccatta tcgggacggc cgcggctgtg ctggataacc 121020

tcgccacgcg cctgcggccc tttctccagt gctacctgaa ggcgcgaggc ctgtgcggcc 121080

tggacgaact gtgttcgcgg cggcgtctgg cggacattaa ggacattgca tccttcgtgt 121140

ttgtcattct ggccaggctc gccaaccgcg tcgagcgtgg cgtcgcggag atcgactacg 121200

cgacccttgg tgtcggggtc ggagagaaga tgcatttcta cctccccggg gcctgcatgg 121260

cgggcctgat cgaaatccta gacacacacc gccaggagtg ttcgagtcgt gtctgcgagt 121320

tgacggccag tcacatcgtc gccccccgt acgtgcacgg caaatatttt tattgcaact 121380

ccctgtttta ggtacaataa aaacaaaaca tttcaaacaa atcgccccac gtgttgtcct 121440

tctttgctca tggccggcgg ggcgtgggtc acggcagatg gcgggggtgg gcccggcgta 121500

cggcctgggt gggcggaggg aactaaccca acgtataaat ccgtccccgc tccaaggccg 121560

gtgtcatagt gcccttagga gcttcccgcc cgggcgcatc ccccctttg cactatgaca 121620

gcgacccccc tcaccaacct gttcttacgg gccccggaca taacccacgt ggcccccccct 121680

tactgcctca acgccacctg gcaggccgaa acggccatgc acaccagcaa aacggactcc 121740

gcttgcgtgg ccgtgcggag ttacctggtc cgcgcctcct gtgagaccag cggcacaatc 121800

cactgctttt tctttgcggt atacaaggac acccaccaca cccctccgct gattaccgag 121860

ctccgcaact ttgcggacct ggttaaccac ccgccggtcc tacgcgaact ggaggataag 121920

cgcggggtgc ggctgcggtg tgcgcggccg tttagcgtcg ggacgattaa ggacgtctct 121980

gggtccggcg cgtcctcggc gggagagtac acgataaacg ggatcgtgta ccactgccac 122040

tgtcggtatc cgttctcaaa aacatgctgg atgggggcct ccgcggccct acagcacctg 122100

cgctccatca gctccagcgg catggccgcc cgcgcggcag agcatcgacg cgtcaagatt 122160

aaaattaagg cgtgatctcc aacccccccа tgaatgtgtg taacccccca aaaaaataaa 122220

cagccgtaac ccaatcaaac caggcgtggt gtgagtttgt ggacccaaag ccctcagaga 122280

caacgcgaca ggccagtatg gaccgtgata cttttattta ttaactcaca ggggcgctta 122340

ccgccacagg aataccagaa taatgaccac cactatcgcg accaccccaa atacagcatg 122400

gcgccccacc acgccacaac agccctgtcg ccggtatggg gcatgatcag acgagccgcg 122460

agccgcgcgt tgggccctgt acagctcgcg cgaattgacc ctaggaggcc gccacgcgcc 122520

cgagttttgc gttcgtcgct ggtcgtcggg cgccaaagcc ccggacggct gttcggtcga 122580

acgaacggcc acgacagtgg cataggttgg ggggtggtcc gacatagcct cggcgtacgt 122640

cgggaggccc gacaagaggt cccttgagat gtcgggtggg gccacaagcc tggtttccgg 122700

aagaaacagg ggggttgcca ataacccgcc agggccaaaa ctccggcgct gcgcacgtcg 122760

ttcggcgcgg cgccgggcgc gccgagcggc tcgctgggcg gcttggcgtg agcggccccg 122820

ctccgacgcc tcgccctctc cggaggaggt tggcggaatt ggcacggacg acaggggccc 122880

agcagagtac ggtggaggtg ggtccgtggg ggtgtccaga tcaataacga caaacggccc 122940

ctcgttccta ccagacaagc tatcgtaggg gggcggggga tcagcaaacg cgttccccgc 123000

gctccataga cccgcgtcgg gttgcgccgc ctccgaagcc atggatgcgc cccaaagcca 123060

cgactcccgc gcgctaggtc cttggggtaa gggaaaaggc cctactcccc atccaagcca 123120

gccaagttaa cgggctacgc cttcggggat gggactggca ccccggcgga ttttgttggg 123180

ctggtacgcg ttgcccaacc gagggccgcg tccacgggac gcgcctttta taaccccggg 123240

ggtcattccc aacgatcaca tgcaatctaa ctggctcccc tctccccccc tctcccctct 123300

ccccccctct cccctctccc cccctctccc ctctcccccc ctctccctc tccccccctc 123360

tcccctctcc ccccctctcc cctctccccc cctctcccct ctcccccct ctcccctctc 123420

ccccccctctc ccctctcccc ccctctcccc tctcccccc tgctctttcc ccgtgacacc 123480

cgacgctggg gggcgtggct gccgggaggg gccgcggatg ggcggggcct actcggtctc 123540

ccgcccccgc ccccgaaccg ccccgccggc cttgcccccc tttgatcccc tgctaccccc 123600

aacccgtgct cgtggtgcgg gttgggtggg gggggggagt gtgggcgggg gtgtgcggga 123660

ggtgtcggtg gtggtggtgg tggtaggaat ggtggtgagg gggggggggcg ctggttggtc 123720

aaaaaaggga gggacggggg ccggcagacc gacggcgaca acgctccccg gcggccgggt 123780

cgcggctctt acgagcggcc cggcccgcgc tcccaccccc cgggccgtgt ccttgctttc 123840

cccccgtctc ccccccccctc cttctcctcc tcctcctcct cgtttttcca aaccccgccc 123900

acccggcccg gcccggcccg gccaccgccg cccacccacc cacctcggga gacccagccc 123960

cggtcccccg ttccccgggg gccgttatct ccagcgcccc gtccggcgcg ccgccccccg 124020

ccgctaaacc ccatcccgcc cccgggaccc cacatataag cccccagcca cacgcaagaa 124080

cagacacgca gaacggctgt gtttatttaa ataaaccgat gtcggaataa acaaacacaa 124140

acacccgcga cgggggggacg gagggagggg ggtgacgggg gacgggaaca gccacaaaaa 124200

acacccacaa aaaaaaacag ccacccccga cacccccccc cacccccagt ctcttcgcct 124260

tttccccccc accccacgcc cccactgagc ccggtcgatc gacgagcacc cccgcccccg 124320

cccctgcccc ggcgaccccc ggcccgcacg atcccgacaa caataacaac cccaacggaa 124380

agcggcgggg tgtgggggggg ggcgaggaac aaccgagggg aacgggggat ggaaggacgg 124440

gaagtggaag tcctgatacc catcctacac ccccctgcct tccaccctcc ggcccccccgc 124500

gagtccaccc gccggccggc taccgagacc gaacacggcg gccgccgcag ccgccgcagc 124560

cgccgccgac accgcagagc cggcgcgcgc acacacaagc ggcagaggca gaaaggccca 124620

gagtcattgt ttatgtggcc gcgggccagc agacggcccg cgacaccccc ccccccgccc 124680

gtgtgggtat ccggcccccc gccccgcgcc ggtccattaa gggcgcgcgt gcccgcgaga 124740

tatcaatccg ttaagtgctc tgcagacagg ggcaccgcgc ccggaaatcc attaggccgc 124800

agacgaggaa aataaaatta catcacctac ccacgtggtg ctgtggcctg tttttgctgc 124860

gtcatctgag cctttataaa agcgggggcg cggccgtgcc gatcgcgggt ggtgcgaaag 124920

actttccggg cgcgtccggg tgccgcggct ctccgggccc ccctgcagcc ggggcggcca 124980

aggggcgtcg gcgacatcct ccccctaagc gccggccggc cgctggtctg ttttttgttt 125040

tccccgtttc gggggtgggg ggggttgcgg tttctgtttc tttaacccgt ctggggtgtt 125100

tttcgttccg tcgccggaat gtttcgttcg tctgtcccct cacggggcga aggccgcgta 125160

cggcccggga cgaggggcc cccgaccgcg gcggtccggg ccccgtccgg gcccgctcgc 125220

cggcacgcga cgcgaaaaag gccccccgga ggcttttccg ggttcccggc ccggggcctg 125280

agataaacaa tcggggttac cgccaacggc cggcccccgt ggcggcccgg cccggggccc 125340

cggcggaccc aaggggcccc ggcccggggc cccacaacgg cccggcgcat gcgctgtggt 125400

ttttttttct cggtgttttg tcgggctccg tcgcctttcc tgttctcgct tctccccccc 125460

ccccttctt caccccccagt accctcctcc ctcccttcct cccccgttat cccactcgtc 125520

aagggcgccc cggtgtggtt caacaaagac gccgcgtttc caggtaggtt agacacctgc 125580

ttctccccaa tagaggggggg ggacccaaac gacaggggggc gccccagagg ctaaggtcgg 125640

ccacgccact cgcgggtggg ctcgtgttac agcacaccag cccgttcttt tccccccctc 125700

ccacccttag tcagactctg ttacttaccc gtccgaccac caactgcccc cttatctaag 125760

ggccggctgg aagaccgcca gggggtcggc cggtgtcgct gtaacccccc acgccaatga 125820

cccacgtact ccaagaaggc atgtgtccca ccccgcctgt gtttttgtgc ctggctctct 125880

atgcttgggt cttactgccg gggggggggg agtgcggggg agggggggtg tggaaggaaa 125940

tgcacggcgc gtgtgtaccc cccctaaagt tgttcctaaa gcgaggatat ggaggagtgg 126000

cgggtgccgg gggaccgggg tgatctctgg cacgcggggg tgggaagggt cgggggaggg 126060

gggatggggt accggcccac ctggccgacg cgggtgcgcg tgcctctgca caccaacccc 126120

acgtcccccg gcggtctcta agaagcaccg ccccccctcc ttcataccac cgagcatgcc 126180

tgggtgtggg ttggtaacca acacgcccat cccctcgtct cctgtgattc tctggctgca 126240

ccgcattctt gttttctaac tatgttcctg tttctgtctc ccccccccacc cctccgcccc 126300

acccccccaac acccacgtct gtggtgtggc cgacccccctt ttgggcgccc cgtcccgccc 126360

cgccacccct cccgtccttt gttgccctat agtgtagtta acccccccccc gcccttttgtg 126420

gcggccagag gccaggtcag tccgggcggg caggcgctcg cggaaactta acacccacac 126480

ccaacccact gtggttctgg ctccatgcca gtggcaggat gctttcgggg atcggtggtc 126540

aggcagcccg ggccgcggct ctgtggttaa caccagagcc tgcccaacat ggcaccccca 126600

ctcccacgca cccccactcc cacgcacccc cactcccacg cacccccact cccacgcacc 126660

cccactccca cgcaccccca ctcccacgca cccccactcc cacgcacccc cactcccacg 126720

cacccccact cccacgcacc cccgagatcc atccaacaca gacagggaaa agatacaaaa 126780

gtaaaccttt atttcccaat agacagcaaa aatcccctga gttttttatt agggccaaca 126840

ctaaagaccc gctggtgtgt ggtgcccgtg tctttcactt ttcccctccc cgacacggat 126900

tggctggtgt agtgggcgcg gccagagacc acccagcgcc cgacccccccc ctccccacaa 126960

acacgggggg cgtcccttat tgttttccct cgtcccgggt cgacgccccc tgctccccgg 127020

accacgggtg ccgagaccgc aggctgcgga agtccagggc gcccactagg gtgccctggt 127080

cgaacagcat gttccccacg ggggtcatcc agaggctgtt ccactccgac gcgggggccg 127140

tcgggtactc ggggggcatc acgtggttac ccgcggtctc ggggagcagg gtgcggcggc 127200

tccagccggg gaccgcggcc cgcagccggg tcgccatgtt tcccgtctgg tccaccagga 127260

ccacgtacgc cccgatgttc cccgtctcca tgtccaggat gggcaggcag tcccccgtga 127320

tcgtcttgtt cacgtaaggc gacagggcga ccacgctaga gacccccgag atgggcaggt 127380

agcgcgtgag gccgcccgcg ggggcggccc cggaagtctc cgcgtggcgc gtcttccggg 127440

cacacttcct cggcccccgc ggcccagaag cagcgcgggg gccgagggag gtttcctctt 127500

gtctccctcc cagggcaccg acggccccgc ccgaggaggc ggaagcggag gaggacgcgg 127560

ccccggcggc ggaagaggcg gcccccgcgg gagtcggggc cgaggaggaa gaggcagagg 127620

aggaagaggc ggaggccgcc gaggacgtca ggggggtccc gggcccaccc tggccgcgcc 127680

cccccggccc tgagtcggag ggggggtgcg tcgccgccct cttggcccct gccggcgcga 127740

gggggggacg cgtggactgg ggggaggggt tttcctggcc cgacccgcgc ctcttcctcg 127800

gacgcaccgc cgcctcctgc tcgacagagg cggcggaggg gagcgggggg gcgccggagg 127860

gggcggcgcc gcgggagggc ccgtgtccac cctccacgcc cggcccccccc gagccgcgcg 127920

ccaccgtcgc acgcgcccgg cacagactct gttcttggtt cgcggcctga gccagggacg 127980

agtgcgactg gggcacacgg cgcgcgtccg cgggggccgg ggcgcggggg ccgggccccg 128040

gaggcggcgc tcgcacgcac ggggccacgg ccgcgcgggg gcgcgcgggt cccgacgcgg 128100

ccgaggacgc ggtgggcccg gggcgggggg cggagcctgg catgggcgcc gcgggggccc 128160

tgtggggaga ggccgggggg gagtcgctga tcactatggg gtctctgttg tttgcaaggg 128220

gggcgggtct gttgacaagg gggcccgtcc ggcccctcgg ccgccccgcc tccgcttcaa 128280

caaccccaac cccaacccca acccccccgg aggggccaga cgcccccgc ggcgccgcgg 128340

ctcgcgactg gcgggagccg ccgccgccgc cgctgctgtt ggtggtggtg ttggtgttac 128400

tgctgccgtg tggcccgatg ggcgccgagg ggggcgctgt ccgagccgcg gccggctggg 128460

gggctgcgtg agacgccccg cccgtcacgg ggggcgcggc ggcgcctctg cgtgggggggg 128520

cgcggggcgt ccggcggggg gcgggcggta cgtagtctgc tgcaagagac aacgggggggc 128580

gcgatcaggt tacgcccccc cccaggccct ccctttccgc gcccgccctt tcctcgcccc 128640

cccgcccgcc tattcctccc tccccccctcc tcctcctcct cccccagggt cctcgccgcc 128700

cccccgcctc accgtcgtcc aggtcgtcgt catcctcgtc cgtggtgggc tcagggtggg 128760

tgggcgacag ggccctcacc gtgtgccccc ccagggtcag gtaccgcggg gcgaaccgct 128820

gattgcccgt ccagataaag tccacggccg tgcccgccct gacggcctcc tcggcctcca 128880

tgcgggtctg ggggtcgttc acgatcggga tggtgctgaa cgacccgctg ggcgtcacgc 128940

ccactatcag gtacaccagc ttggcgttgc acagcgggca ggtgttgcgc aattgcatcc 129000

aggttttcat gcacgggatg cagaagcggt gcatgcacgg gaaggtgtcg cagcgcaggt 129060

ggggcgcgat ctcatccgtg cacacggcgc acacgtcgcc ctcgtcgctc cccccgtcct 129120

ctcgaggggg ggcgcccccg caactgccgg ggtcttcctc gcgggggggg ctccccccg 129180

agaccgcccc cccatccacg ccctgcggcc ccagcagccc cgtctcgaac agttccgtgt 129240

ccgtgctgtc cgcctcggag gcggagtcgt cgtcatggtg gtcggcgtcc ccccgccccc 129300

ccacttcggt ctccgcctca gagtcgctgc tgtccggcag gtctcggtcg cagggaaaca 129360

cccagacatc cggggcgggc taaggggaaa aaaaggggggg cgggtaagaa tgggggggatt 129420

tcccgcgtca atcagcgccc acgagttccc cctctccccc cccccgcctc acaaagtcct 129480

gccccccctgc tggcctcgga agaggggggga gaaaggggtc tgcaaccaaa ggtggtctgg 129540

gtccgtcctt tggatcccga cccctcttct tccctcttct cccgccctcc agacgcaccg 129600

gagtcggggg tcccacggcg tcccccaaat atggcgggcg gctcctcccc acccccctag 129660

atgcgtgtga gtaaggggggc cctgcgtatg agtcagtggg gaccacgccc cctaacacgg 129720

cgaccccggt ccctgtgtgt ttgttgtggg ggcgtgtctc tgtgtatgag tcagggggtc 129780

ccacggcgac cccgggccct gcgtctgagt caaaggggcc atgtgtatgt gttgggggggt 129840

ctgtatatat aaagtcaggg ggtcacatgg cgacccccaa cagggcgacc ccggtccctg 129900

tatatatagg gtcaggggggt tccgcgcccc ctaacatggc gcccccggtc cctgtatata 129960

tagtgtcacg gggttccacg ccccctaaca tggcgcccgg ctcccgtgta tgagtggggg 130020

tcccccaaca tggcggccgg ttccagtgta agggtcgggg gtcccccaac atggcgcccc 130080

ccaatatggc gccccccaat atggcgcccc agacatggcg cccggcccct cacctcgcgc 130140

tgggggcggc cctcaggccg gcgggtactc gctccggggc ggggctccat gggggtcgta 130200

tgcggttgga gggtcgcgga cggagggtcc ctgggggtcg caacgtaggc ggggcttctg 130260

tggtgatgcg gagagggggc ggcccgagtc tgcctggctg ctgcgtctcg ctccgagtgc 130320

cgaggtgcaa atgcgaccag actgtcgggc cagggctaac ttatacccca cgcctttccc 130380

ctccccaaag gggcggcagt gacgattccc ccaatggccg cgcgtcccag gggaggcagg 130440

cccaccgcgg ggcggccccg tccccgggga ccaacccggc gcccccaaag aatatcatta 130500

gcatgcacgg cccggccccc gatttggggg accaacccgg tgtcccccaa agaaccccat 130560

tagcatgccc ctcccaccga cgcaacaggg gcttggcctg cgtcggtgcc ccggggcttc 130620

ccgccttccc gaagaaactc attaccatac ccggaacccc aggggaccaa tgcgggttca 130680

ttgagcgacc cgcgggccaa tgcgcgaggg gccgtgtgtt ccgccaaaaa agcaattagc 130740

ataacccgga accccagggg agtggttacg cgcggcgcgg gaggcgggga ataccggggt 130800

tgcccattaa gggccgcggg aattgccgga agcgggaagg gcggccgggg ccgcccatta 130860

atgagtttct aattaccata ccgggaagcg gaacaaggcc tcttgcaagt ttttaattac 130920

cataccggga agtgggcggc ccggcccatt gggcggtaac tcccgcccaa tgggccgggc 130980

cccgaagact cggcggacgc tggttggccg ggccccgccg cgctggcggc cgccgattgg 131040

ccagtcccgc ccccgaggcg gcccgccctg tgagggcggg ctggctccaa gcgtatatat 131100

gcgcggctcc tgccatcgtc tctccggatc tagagatctc cggaattaat tcgccctata 131160

gtgagtcgga attttaaccg ccaccgccag agccacctcc acctgacccg ccgcctccta 131220

gatcttcttc tgagatgagt ttttgttctg aattcccaga tccttccgtg gacagtgtct 131280

ggaactcgtg cactttgctg ccggctccct ggccctcctg cgtcagcgcc tgcacctgca 131340

ccaggtacgt ggtatccgga gcaaggtcat ccagggtcac ggagaagcct tccgtgcggc 131400

gcacattata gctgttggca tccccccttct tgcggtaggt gacttcgtac ttccacacac 131460

ggctctgctg tgacaccggg atgctccagg tgacactcag ggaggtggtg cttcggtcct 131520

ccagcctcac tttgggggggc tctgtttggt taatactgac gctggcagtc cggaagcttc 131580

ggctagtcac caggcctgag acaccattgc gtgcttcgac agcgaaggta tagttcatgt 131640

ggggctccag gtcactgact gtcacactcg tgcgggtcag ggcgtgagga ggttctgaat 131700

agcgcacgct cgcctcacag ggcccacact cgccagactc tggccagcac tgttcgcaag 131760

tgacactgta gacaatgtcc tggcggccac cagtgtcctt gggagctgtc caacgcagtt 131820

ctactttggc acccatgcca atggccgtga ggtagttggg ggcagagggt ggacgtgtgc 131880

aagacatgga cagtgggtcc tcaggtgccc tgaaatagcc ttcttcacac tggcaggagg 131940

tggcaccctc tgtggatggc agggtatgct ctggacactc caggcaaggg ctctcagatg 132000

cctcagactt gaagaatcct ggagaacagg ctcggcaggc atcctcgacc ttctcgtagc 132060

cttcctggca caggcactgc ccgatgggca ccagccactc gccatccacc gtgcagtgca 132120

tgagaggccc ctcgccccca taaggcacca cggcatggtc cacgcaggta ccggccaccg 132180

tggccagggg ttgtgtatcg gagacagcga cagcaatggt ctcggggaag cgagccaagc 132240

tctgcagcat ctcgggacac ttcttgtagt agacgcgaac ggagagcagc gccacgcagg 132300

cgccgatgtc ctggaaggcc aggtagaagc ccttccgggt aaggggcccc accatgcgct 132360

cctctacgtt cagcttgaca ttgcgagcct cgaagtcact gctgaccgtg atctcgtcag 132420

gggcgatggt gtcaatcttg gtgaactggc gcttctggaa gttggtgcca tagtccacat 132480

ctgactctgc atagtagagg ttgaaggtct ctttgcatga gctggcgcca cccgggaagc 132540

tgttacagtc tcgcaccgtg aacttgagct caataaagat gcgctcggcc tcctcccggt 132600

acacccagtt ggtgcggagc cagttgtcct ggtcgccgga taccacgttg cacaccgagt 132660

acatgtagat aggcatgtcg tccatgatgt tctgcatcag gtcccaccct ttgccatagg 132720

ggtgcgtgag ccagccgagc tctcccttca ttgctgcgaa gtccaacaaa acaacttcct 132780

ttccctgtgc cgccgcggcc gccagcgcgc aaccccacag cagcgccagg cagaaaccga 132840

ctgcccggag ctccatggtc gacccgggat ccggtaccac tttgtgcggc cagcttccta 132900

ggagatcctc tagctagagt cggtgtcttc tatggaggtc aaaacagcgt ggatggcgtc 132960

tccaggcgat ctgacggttc actaaaccag ctctgcttat atagagctcg gggagcagaa 133020

gcgcgcgaac agaagcgaga agcgaactga ttggttagtt caaataaggc acagggtcat 133080

ttcaggtcct tggggcaccc tggaaacatc tgatggttct ctagaaactg ctgagggcgg 133140

gaccgcatct ggggaccatc tgttcttggc cctgagcggg gcaggaactg cttaccacag 133200

atatcctgtt tggcccatat tctcctgttc caactgttct tggccctgag cggggcagga 133260

actgcttacc acagatatcc tgtttggccc atattctcct gtttctctgt tcctgacctt 133320

gatcctagct tgccaaacct acaggtgggg tctttcattc ccataggcgg ttacctggga 133380

ctgtgcggtt gggacggcgc ccgtgggccc gggcggccgg gggcggcggg ggccgcgatg 133440

gcggcggcgg cgggccatgg agacagagag cgtgccgggg tggtagagtt tgacaggcaa 133500

gcatgtgcgt gcagaggcga gtagtgcttg cctgtctaac tcgctcgtct cggccgcggg 133560

gggcccgggc tgcgccgccg cgctttaaag ggccgcgcgc gacccccggg gggtgtgttt 133620

cgggggggggc ccgttttccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc 133680

tccccccgct cctcccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc 133740

tccccccgct cctcccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc 133800

tccccccgct cctcccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc 133860

ccaacgcccg ccgcgcgcgc gcacgccgcc cggaccgccg cccgcctttt ttgcgcgccg 133920

ccccgcccgc ggggggcccg ggctgccaca ggtgtaacaa caccaacaga acaccaacag 133980

cacggcgcac cggcgactcc ggttcctcat ccacacgtca cacgtcacgt catccaccac 134040

acctgcccac caacacaact cacagcgaca actcaccgcg caacaactcc tgttcctcat 134100

ccacacgtca ccgcgcaccc cccgctcctc cagacgtccc ccagcgcaac acgccgctcc 134160

tgtcacacac caccgcccca gccctcccca gccccagccc tccccagccc cagccctccc 134220

cggccccagc cctccccggc cccagccctc cccggcccca gccctccccg gccccagccc 134280

tccccggccc cagccctccc cggccccagc cctccccggc cgcgtcccgc gctccctcgg 134340

gggggttcgg gcatctctac ctcagtgccg ccaatctcag gtcagagatc caaaccctcc 134400

gggggcgccc gcgcaccacc accgcccctc gcccccctccc gcccctcgcc ccctcccgcc 134460

cctcgccccc tcccgcccct cgcccccctcc cgcccctcgc cccctcccgc ccctcgcccc 134520

ctcccgcccc tcgcccccctc ccgcccctcg ccccctcccg cccctcgccc cctcccgccc 134580

ctcgcccccct cccgcccctc gcccccctccc gcccctcgcc ccctcccgcc cctcgccccc 134640

tcccgcccct cgcccccctcc cgcccctcgc ccctcccgcc ccctcgcccc ctcccgcccc 134700

tcgcccccctc ccgcccctcg ccccctcccg ccctcgcccc cctcccgccc ctcgaaataa 134760

acaacgctac tgcaaaacta aatcaggtcg ttgtcgttta ttgcgtcttc gggtttcgca 134820

agcgccccgc cccgtcccgg cccgttacag caccccgtcc ccctcgaacg cgccgccgtc 134880

gtcgtcgtcc caggcgcctt cccagtccac aacttcccgt cgcgggggcg tggccaagcc 134940

cgcctccgcc cccagcacct ccacggcccc cgccgccgcc agcacggtgc cgctgcggcc 135000

cgtggccgag gcccagcgaa tcccgggcaa cgccggcggc agggcccccg ggccgtcgtc 135060

gtcgtcgtcg ccgccgcgca gcaccagcgg gggggcgtcg tcgtcgggct ccagcagggc 135120

gcgggcgcaa aagtccctcc gcggcccgcg ccaccgggcc gggccggcgc gcaccgcctc 135180

gcgccccagc gccacgtaca cgggccgcag cggcgcgccc aggccccagc gcgcgcaggc 135240

gcggtgcgag tgggcctcct cctcgcagaa gtccggcgcg ccgggcgcca tggcgtcggt 135300

ggtccccgag gccgccgccc ggccgtccag cgccggcagc acggcccggc ggtactcgcg 135360

cggggacatg ggcaccggcg tgtccgggcc gaagcgcgtg cgcacgcggt agcgcacgtt 135420

gccgccgcgg cacaggcgca gcggcggcgc gtcggggtac aggcgcgcgt gcgcggcctc 135480

cacgcgcgcg aagacccccg ggccgaacac gcggcccggg gccagcaccg tgcggcgcag 135540

gtcccgcgcc gccggccagc gcacggcgca ctgcacggcg ggcagcaggt cgcacgccag 135600

gtaggcgtgc tgccgcgaca ccgcgggccc gtcggcgggc cagtcgcagg cgcgcacggt 135660

gttgaccacg atgagccgcc ggtcgccggc gctggcgagc agccccagaa actccacggc 135720

cccggcgaag gccaggtccc gcgtggacag cagcagcacg ccctgcgcgc ccagcgccga 135780

cacgtcgggg gcgccggtcc agttgcccgc ccaggcggcc gtgtccggcc cgcacagccg 135840

gttggccagg gccgccagca ggcaggacag cccgccgcgc tcggcggacc actccggcgg 135900

ccccccgag gccccgccgc cggccaggtc ctcgcccggc agcggcgagt acagcaccac 135960

cacgcgcacg tcctcggggt cggggatctg gcgcatccag gccgccatgc ggcgcagcgg 136020

gcccgaggcg cgcaggggggc caaagaggcg gcccccggcg gccccgtggg ggtgggggtt 136080

atcgtcgtcg tcgccgccgc cgcacgcggc ctgggcggcg gcggcgggcc cggcgcaccg 136140

cgcggcgatc gaggccaggg cccgcgggtc aaacatgagg gccggtcgcc aggggacggg 136200

gaacagcggg tggtccgtga gctcggccac ggcgcgcggg gagcagtagg cctccagggc 136260

ggcggccgcg ggcgccgccg tgtggctggg ccccgggggc tgccgccgcc agccgcccag 136320

ggggtcgggg ccctcggcgg gccggcgcga cagcgccacg gggcgcgggc gggcctgcgc 136380

cgcggcggcc cggggcgccg cgggctgggc gggggcgggc tcgggccccg ggggcgtgga 136440

ggggggcgcg gggaggggggg cgcgggcgtc cgagccgggg gcgtccgcgc cgctcttctt 136500

cgtcttcggg ggtcgcgggc cgccgcctcc gggcggccgg gccgggccgg gactcttgcg 136560

cttgcgcccc tcccgcggcg cggcggaggc ggcggcggcc gccagcgcgt cggcggcgtc 136620

cggtgcgctg gcggccgccg ccagcagggg gcgcaggctc tggttctcaa acagcaggtc 136680

cgcggcggcg gcggccgcgg agctcggcag gcgcgggtcc cgcggcagcg cggggcccag 136740

ggccccggcg accaggctca cggcgcgcac ggcggccacg gcggcctcgc tgccgccggc 136800

cacgcgcagg tccccgcgca ggcgcatgag caccagcgcg tcgcgcacga accgcagctc 136860

gcgcagccac gcgcgcaggc ggggcgcgtc ggcgtgcggc ggcggcgggg aagcggggcc 136920

cgcgggtccc tccggccgcg gggggctggc gggccgggcc ccggccagcc ccgggacggc 136980

cgccaggtcg ccgtcgaagc cctcggccag cgcctccagg atcccgcggc aggcggccag 137040

gcactccacg gccacgcggc cggcctgggc gcggcgcccg gcgtcgtcgt cggcgtcggc 137100

gtggcgggcg gcgtcggggt cgtcgccccc cgcgggggag gcgggcgcgg cggacagccg 137160

ccccagggcg gcgaggatcc ccgcggcgcc gtacccggcg ggcaccgcgc gctcgcccgg 137220

tgcggcggcg gcggcgacga cggcggcggc gacccccctcg tcatctgcgc cggcgccggg 137280

gctccccgcg gcccccgtca gcgccgcgtt ctcgcgcgcc aacaggggcg cgtaggcgcg 137340

gcgcaggctg gtcagcagga agcccttctg cgcgcggtcg tatcggcggc tcatggccac 137400

ggcggccgcc gcgtgcgcca ggccccagcc gaagcggccg gccgccatgg cgtagcccag 137460

gtggggcacg gcccgcgcca cgctgccggt gatgaaggag ctgctgttgc gcgcggcgcc 137520

cgagatccgg aagcaggcct ggtccagcgc cacgtccccg gggaccacgc gcgggttctg 137580

gagccacccc atggcctccg cgtccggggt gtacagcagc cgcgtgatca gggcgtactg 137640

ctgcgcggcg tcgcccagct cgggcgccca cacggccgcc ggggcgcccg aggcctcgaa 137700

ccggcgtcgc gcctcctccg cctcgggcgc cccccagagg cccgggcggc tgtcgcccag 137760

gccgccgtac agcacccgcc ccgggggcgg gggcccggcg ccgggccacg gctccccgct 137820

gacgtacccg tcgcgatagc gcgcgtagaa ggcgccggag gccgcgtcgg cgtccagctc 137880

gacccgccgg ggctgcccgg ccgtgaagcg gcccgtggcg tcgcggccgg ccaccgccgc 137940

gcgggcccgg cggcgctcga tgcggcccgc ggaggccgcg ggggtcctcg ccgccgcccg 138000

gggcttgggc gcggcctcgg agagggggggg tggcccgggc gggggcggcg tccgcccggg 138060

ggcttccggc gccgcgctcg acggaccccg cccgacggcc cgcgcctcgc gtgcgcggtc 138120

ggccgcgtcg ttgccgtcgt cgtcctcgtc ctcgtcggac gacgaggacg aagaggatgc 138180

ggacgacgag gacgaggacc cggagtccga cgaggtcgat gacgccgatg gccgccgccg 138240

gccgtgacga cgtctccgcg gcggctgggc cggcgggcgc ggcgacaggc ggtccgtggg 138300

gtccggatac gcgccgcgta gcggggcctc ccgtgcgcgg ccccgggccg gggcccggtc 138360

gccggcggcg tcggctgcgt cgtcgtactc gtccccgtca tcgtcgtcgg ctcgaaaggc 138420

gggggtccgg ggcggcgagg ccgcggggtc gggcgtcggg atcgtccgga cggcctcctc 138480

taccatggag gccagcaggg ccagctgtcg cggcgagacg gcgtccccgg cgtcctcgcc 138540

ggcgtcggtg cccgccgcgg gggccctccc gtcccgccgg gcgtcgtcga ggtcgtgggg 138600

gtggtcgggg tcgtggtcgg ggtcgtcccc gccctcctcc gtctccgcgc cccacccgag 138660

ggcccccgc tcgtcgcggt ctgggctcgg ggtgggcggc ggcccgtcgg tggggcccgg 138720

ggagccgggg cgctgcttgt tctccgacgc catcgccgat gcggggcgat cctccgggga 138780

tacggctgcg acggcggacg tagcacggta ggtcacctac ggactctcga tggggagggg 138840

gcgagaccca cggaccccga cgacccccgc cgtcgacgcg gaactagcgc ggaccggtcg 138900

atgcttgggt gggaaaaagg acagggacgg ccgatccccc tcccgcgctt cgtccgcgta 138960

tcggcgtccc ggcgcggcga gcgtctgacg gtctgtctct ggcggtcccg cgtcgggtcg 139020

tggatccgtg tcggcagccg cgctccgtgt ggacgatcgg ggcgtcctcg ggctcatata 139080

gtcccagggg ccggcgggaa ggaggagcag cggaggccgc cggcccccg ccccccaggc 139140

gggcccgccc cgaacggaat tccattatgc acgaccccgc cccgacgccg gcacgccggg 139200

ggcccgtggc cgcggcccgt tggtcgaacc cccggccccg cccatccgcg ccatctgcca 139260

tgggcggggc gcgagggcgg gtgggcccgc gccccgcccc gcatggcatc tcattaccgc 139320

ccgatccggt ggtttccgct tccgttccgc atgctaacga ggaacgggcc gggggcgggg 139380

cccgggcccc gacttcccgg ttcggcggta atgagatacg agccccgcgc gcccgttggc 139440

cgtccccggg cccccggtcc cgcccgccgg acgttgggac caacgggacg gcgggcggcc 139500

caagggccgc ccgccttgcc gccccccccat tggccggcgg gcgggaccgc cccaaggggg 139560

cggggccgcc gggtaaaaga agtgagaacg cgaagcgttc gcacttcgtc ccaatatata 139620

tatattatta gggcgaagtg cgagcactgg cgccgtgccc gactccgcgc cggccccggg 139680

ggcgggcccg ggcggcgggg ggcgggtctc tccggcgcac ataaaggccc ggcgcgaccg 139740

acgcccgcag acggcgccgg ccacgaacga cgggagcggc tgcggagcac gcggaccggg 139800

agcgggactc gcagagggcc gtcggagcgg acggcgtcgg catcgcgacg ccccggctcg 139860

ggatcgggat cgcatcggaa agggacacgc ggaaagaccc acccacccca cccacgaaac 139920

acaggggacg caccccgggg gcctccgacg acagaaaccc accggtccgc ctttgtgcac 139980

gggtaagcac cttgggtggg cggaggaggg ggggacgcgg gggcggagga gggggacgc 140040

gggggcggag gaggggggac gcgggggcgg aggaggggg acgcgggggc ggaggagggg 140100

ggacgcgggg gcggaggagg gggctcaccc gcgttcgtgc cttcccgcag gaggaacgtc 140160

ctcgtcgagg cgaccggcgg cgaccgttgc gtggaccgct tcctgctcgt cgggcggggg 140220

gaagccactg tggtcctccg ggacgttttc tggatggccg acatttcccc aggcgctttt 140280

gcgccttgtg taaaagcgcg gcgtcccgct ctccgatccc cgcccctggg cacgcgcaag 140340

cgcaagcgcc cttcccgccc cctctcatcg gagtctgagg tagaatccga tacagccttg 140400

gagtctgagg tcgaatccga gacagcatcg gattcgaccg agtctgggga ccaggatgaa 140460

gccccccgca tcggtggccg tagggccccc cggaggcttg gggggcggtt ttttctggac 140520

atgtcggcgg aatccaccac ggggacggaa acggatgcgt cggtgtcgga cgaccccgac 140580

gacacgtccg actggtctta tgacgacatt cccccacgac ccaagcgggc ccgggtaaac 140640

ctgcggctca cgagctctcc cgatcggcgg gatggggtta tttttcctaa gatggggcgg 140700

gtccggtcta cccgggaaac gcagccccgg gcccccaccc cgtcggcccc aagcccaaat 140760

gcaatgctac ggcgctcggt gcgccaggcc cagaggcgga gcagcgcacg atggaccccc 140820

gacctgggct acatgcgcca gtgtatcaat cagctgtttc gggtcctgcg ggtcgcccgg 140880

gacccccacg gcagtgccaa ccgcctgcgc cacctgatac gcgactgtta cctgatggga 140940

tactgccgag cccgtctggc cccgcgcacg tggtgccgtt tgctgcaggt gtccggcgga 141000

acctggggca tgcacctgcg caacaccata cgggaggtgg aggctcgatt cgacgccacc 141060

gcggaacccg tgtgcaagct tccttgtttg gagaccagac ggtacggccc ggagtgtgat 141120

cttagtaatc tcgagattca tctcagcgcg acaagcgatg atgaaatctc cgatgccacc 141180

gatctggagg ccgccggttc ggaccacacg ctcgcgtccc agtccgacac ggaggatgcc 141240

ccctcccccg ttacgctgga aaccccagaa ccccgcgggt ccctcgctgt gcgtctggag 141300

gatgagtttg gggagtttga ctggaccccc caggagggct cccagccctg gctgtctgcg 141360

gtcgtggccg ataccagctc cgtggaacgc ccgggcccat ccgattctgg ggcgggtcgc 141420

gccgcagaag accgcaagtg tctggacggc tgccggaaaa tgcgcttctc caccgcctgc 141480

ccctatccgt gcagcgacac gtttctccgg ccgtgagtcc ggtcgccccg acccccttgt 141540

atgtccccaa ataaaagacc aaaatcaaag cgtttgtccc agcgtcttaa tggcgggaag 141600

ggcggagaga aacagaccac gcgtacatgg ggggtgtttg ggggtttatt gacatcgggg 141660

ctacagggtg gtaaccggat agcagatgtg aggaagtctg ggccgttcgc cgcgaacggc 141720

gatcagaggg tccgtttctt gcggaccacg gcccggtgat gtgggttgct cgtctgggat 141780

ctcgggcatg cccatacacg cacaacacgg acgccgcacc ggatgggacg tcgtaagggg 141840

gcctggggta gctgggtggg gtttgtgcag agcaatcagg gaccgcagcc agcgcataca 141900

atcgcgctcc cgtccgtttg tcccgggcag taccacgccg tactggtatt cgtaccggct 141960

gagcagggtc tccagggggt ggttgggggc cgcggggaac ggggtccacg ccacggtcca 142020

ctcgggcaaa aaccgagtcg gcacggccca cggttctccc acccacgcgt ctggggtctt 142080

gatggcgata aatcttaccc cgagccggat tttttgggcg tattcgagaa acggcacaca 142140

cagatccgcc gcgcctacca cccacaagtg gtagaggcga ggggggctgg gttggtctcg 142200

gtgcagcagt cggaagcacg ccacggcgtc cacgacctcg gtgctctcca aggggctgtc 142260

ctccgcaaac aggcccgtgg tggtgtttgg ggggcagcga caggacctag tgcgcacgat 142320

cgggcgggtg ggtttgggta agtccatcag cggctcggcc aaccgtcgaa ggttggccgg 142380

acgaacgacg accggggtac ccaggggttc tgatgccaaa atgcggcact gcctaagcag 142440

gaagctccac agggccgggc ttgcgtcgac ggaagtccgg ggcagggcgt tgttctggtc 142500

aaggagggtc attacgttga cgacaacaac gcccatgttg gtatattaca ggcccgtgtc 142560

cgatttgggg cacttgcaga tttgtaaggc cacgcacggc ggggagacag gccgacgcgg 142620

gggctgctct aaaaatttaa gggccctacg gtccacagac ccgccttccc gggggggccc 142680

ttggagcgac cggcagcgga ggcgtccggg ggaggggagg gtgatttacg ggggggtagg 142740

tcaggggtg ggtcgtcaaa ctgccgctcc ttaaaacccc ggggcccgtc gttcggggtg 142800

ctcgttggtt ggcactcacg gtgcggcgaa tggcctgtcg taagttttgt cgcgtttacg 142860

ggggacaggg caggaggaag gaggaggccg tcccgccgga gacaaagccg tcccgggtgt 142920

ttcctcatgg ccccttttat accccagccg aggacgcgtg cctggactcc ccgcccccgg 142980

agacccccaa accttcccac accacaccac ccggcgatgc cgagcgcctg tgtcatctgc 143040

aggagatcct ggcccagatg tacggaaacc aggactaccc catagaggac gaccccagcg 143100

cggatgccgc ggacgatgtc gacgaggacg ccccggacga cgtggcctat ccggaggaat 143160

acgcagagga gctttttctg cccggggacg cgcccggtcc ccttatcggg gccaacgacc 143220

acatccctcc cccgtgtggc gcatctcccc ccggtatacg acgacgcagc cgggatgaga 143280

ttggggccac gggatttacc gcggaagaac tggacgccat ggacagggag gcggctcgag 143340

ccatcagccg cggcggcaag ccccccctcga ccatggccaa gctggtgact ggcatgggct 143400

ttacgatcca cggagcgctc accccaggat cggaggggtg tgtctttgac agcagccacc 143460

cagattaccc ccaacgggta atcgtgaagg cggggtggta cacgagcacg agccacgagg 143520

cgcgactgct gaggcgactg gaccaccccg cgatcctgcc cctcctggac ctgcatgtcg 143580

tctccggggt cacgtgtctg gtcctcccca agtaccaggc cgacctgtat acctatctga 143640

gtaggcgcct gaacccgctg ggacgcccgc agatcgcagc ggtctcccgg cagctcctaa 143700

gcgccgttga ctacattcac cgccagggca ttatccaccg cgacattaag accgaaaata 143760

tttttattaa caccccgag gacatttgcc tgggggactt tggtgccgcg tgcttcgtgc 143820

agggttcccg atcaagcccc ttcccctacg gaatcgccgg aaccatcgac accaacgccc 143880

ccgaggtcct ggccggggat ccgtatacca ccaccgtcga catttggagc gccggtctgg 143940

tgatcttcga gactgccgtc cacaacgcgt ccttgttctc ggcccccccgc ggccccaaaa 144000

ggggcccgtg cgacagtcag atcacccgca tcatccgaca ggcccaggtc cacgttgacg 144060

agttttcccc gcatccagaa tcgcgcctca cctcgcgcta ccgctcccgc gcggccggga 144120

acaatcgccc gccgtacacc cgaccggcct ggacccgcta ctacaagatg gacatagacg 144180

tcgaatatct ggtttgcaaa gccctcacct tcgacggcgc gcttcgcccc agcgccgcag 144240

agctgctttg tttgccgctg tttcaacaga aatgaccgcc cccaggggggc ggtgctgttt 144300

gcgggttggc acaaaaagac cccgacccgc gtctgtggtg tttttggcat catgtcgccg 144360

ggcgccatgc gtgccgttgt tcccattatc ccattccttt tggttcttgt cggtgtatcg 144420

ggggttccca ccaacgtctc ctccaccacc caaccccaac tccagaccac cggtcgtccc 144480

tcgcatgaag cccccaacat gacccagacc ggcaccaccg actctcccac cgccatcagc 144540

cttaccacgc ccgaccacac acccccccatg ccaagtatcg gactggagga ggaggaagag 144600

gaggaggggg ccggggacgg cgaacatctt gaggggggag atgggacccg tgacacccta 144660

ccccagtccc cgggcccagc cttcccgttg gctgaggacg tcgagaagga caaacccaac 144720

cgtcccgtag tcccatcccc cgatcccaac aactcccccg cgcgccccga gaccagtcgc 144780

ccgaagacac cccccaccat tatcgggccg ctggcaactc gccccacgac ccgactcacc 144840

tcaaagggac gacccttggt tccgacgcct caacataccc cgctgttctc gttcctcact 144900

gcctcccccg ccctggacac cctcttcgtc gtcagcaccg tcatccacac cttatcgttt 144960

ttgtgtattg gtgcgatggc gacacacctg tgtggcggtt ggtccagacg cgggcgacgc 145020

acacacccta gcgtgcgtta cgtgtgcctg ccgtccgaac gcgggtaggg tatggggcgg 145080

gggatgggga gagcccacac gcggaaagca agaacaataa aggcggtggt atctagttga 145140

tatgcatctc tgggtgtttt tggggtgtgg cggacgcggg gcggtcattg gacggggtgc 145200

agttaaatac atgcccggga cccatgaagc atgcgcgact tccgggcctc ggaacccacc 145260

cgaaacggcc aacggacgtc tgagccaggc ctggctatcc ggagaaacag cacacgactt 145320

ggcgttctgt gtgtcgcgat gtctctgcgc gcagtctggc atctggggct tttgggaagc 145380

ctcgtggggg ctgttcttgc cgccacccat cggggacctg cggccaacac aacggacccc 145440

ttaacgcacg ccccagtgtc ccctcacccc agccccctgg ggggctttgc cgtccccctc 145500

gtagtcggtg ggctgtgcgc cgtagtcctg ggggcggcgt gtctgcttga gctcctgcgt 145560

cgtacgtgcc gcgggtgggg gcgttaccat ccctacatgg acccagttgt cgtataattt 145620

ccccccccccc ccccccttctc cgcatgggtg atgtcgggtc caaactcccg acaccaccag 145680

ctggtatggt ataaatcacc ggtgcgcccc ccaaaccatg tccggcaggg ggatgggggg 145740

gcgaatgcgg agggcaccca acaacaccgg gctaaccagg aaatccgtgg ccccggcccc 145800

caataaagat cgcggtagcc cggccgtgtg acactatcgt ccataccgac cacaccgacg 145860

aatcccctaa gggggagggg ccattttacg aggaggaggg gtataacaaa gtctgtcttt 145920

aaaaagcagg ggttagggag ttgttcggtc ataagcttca gcgcgaacga ccaactaccc 145980

cgatcatcag ttatccttaa ggtctctttt gtgtggtgcg ttccggtatg gggggggctg 146040

ccgccaggtt gggggccgtg attttgtttg tcgtcatagt gggcctccat ggggtccgcg 146100

gcaaatatgc cttggcggat gcctctctca agatggccga ccccaatcgc tttcgcggca 146160

aagaccttcc ggtcctggac cagctgaccg accctccggg ggtccggcgc gtgtaccaca 146220

tccaggcggg cctaccggac ccgttccagc cccccagcct cccgatcacg gtttactacg 146280

ccgtgttgga gcgcgcctgc cgcagcgtgc tcctaaacgc accgtcggag gccccccaga 146340

ttgtccgcgg ggcctccgaa gacgtccgga aacaacccta caacctgacc atcgcttggt 146400

ttcggatggg aggcaactgt gctatcccca tcacggtcat ggagtacacc gaatgctcct 146460

acaacaagtc tctgggggcc tgtcccatcc gaacgcagcc ccgctggaac tactatgaca 146520

gcttcagcgc cgtcagcgag gataacctgg ggttcctgat gcacgccccc gcgtttgaga 146580

ccgccggcac gtacctgcgg ctcgtgaaga taaacgactg gacggagatt acacagttta 146640

tcctggagca ccgagccaag ggctcctgta agtacgccct cccgctgcgc atccccccgt 146700

cagcctgcct gtcccccag gcctaccagc agggggtgac ggtggacagc atcgggatgc 146760

tgccccgctt catccccgag aaccagcgca ccgtcgccgt atacagcttg aagatcgccg 146820

ggtggcacgg gcccaaggcc ccatacacga gcaccctgct gcccccggag ctgtccgaga 146880

cccccaacgc cacgcagcca gaactcgccc cggaagaccc cgaggattcg gccctcttgg 146940

aggaccccgt ggggacggtg gcgccgcaaa tcccaccaaa ctggcacata ccgtcgatcc 147000

aggacgccgc gacgccttac catcccccgg ccaccccgaa caacatgggc ctgatcgccg 147060

gcgcggtggg cggcagtctc ctggcagccc tggtcatttg cggaattgtg tactggatgc 147120

gccgccgcac tcaaaaagcc ccaaagcgca tacgcctccc ccacatccgg gaagacgacc 147180

agccgtcctc gcaccagccc ttgttttact agataccccc ccttaatggg tgcgggggggg 147240

tcaggtctgc ggggttggga tgggacctta actccatata aagcgagtct ggaaggggggg 147300

aaaggcggac agtcgataag tcggtagcgg gggacgcgca cctgttccgc ctgtcgcacc 147360

cacagctttt tttgcgaacc gtcccgttcc gggatgccgt gccgcccgtt gcagggcctg 147420

gtgctcgtgg gcctctgggt ctgtgccacc agcctggttg tccgtggccc cacggtcagt 147480

ctggtatcaa actcatttgt ggacgccggg gccttggggc ccgacggcgt agtggaggaa 147540

gacctgctta ttctcgggga gcttcgcttt gtgggggacc aggtccccca caccacctac 147600

tacgatgggg tcgtagagct gtggcactac cccatgggac acaaatgccc acgggtcgtg 147660

catgtcgtca cggtgaccgc gtgcccacgt cgccccgccg tggctttcgc cctgtgtcgc 147720

gcaaccgaca gcactcacag ccccgcatat cccaccctgg agctgaatct ggcccaacag 147780

ccgcttttgc gggtccggag ggcgacgcgt gactatgccg gggtgtacgt gttacgcgta 147840

tgggtcgggg acgcaccaaa cgccagcctg tttgtcctgg ggatggccat agccgccgaa 147900

gggactctgg cgtacaacgg ctcggcccat ggctcctgcg acccgaaact gcttccgtat 147960

tcggccccgc gtctggcccc ggcgagcgta taccaacccg cccctaaccc ggcctccacc 148020

ccctcgacca ccacctccac cccctcgacc accacctcca ccccctcgac caccatcccc 148080

gctccccaag catcgaccac acccttcccc acgggagacc caaaacccca acctcacggg 148140

gtcaaccacg aacccccatc gaatgccacg cgagcgaccc gcgactcgcg atacgcgcta 148200

acggtgaccc agataatcca gatagccatc cccgcgtcca ttatagccct ggtgtttctg 148260

gggagctgta tttgctttat acacagatgt caacgccgct accgacgctc ccgccgcccg 148320

atttacaacc cccagatacc cactggcatc tcatgcgcgg tgaacgaagc ggccatggcc 148380

cgcctcggag ccgagctcaa atcgcatccg agcacccccc ccaaatcccg gcgccggtcg 148440

tcacgcacac caatgccctc cctgacggcc atcgccgaag agtcggagcc cgcgggggcg 148500

gctgggcttc cgacgccccc cgtggacccc acgacatcca ccccaacgcc tcccctgttg 148560

gtataggtcc acggccactg gccgggggca ccacataacc gaccgcagtc actgagttgg 148620

gaataaaccg gtattattta cctatatacg tgtatgtcca tttcttcccc ccccccccg 148680

gaaaccaaag aaggaaacaa agaatggatg ggaggagttc aggaagccgg ggagagggcc 148740

cgcggcgcat ttaaggcgtt gttgtgttga ctttggctct tctggcgggt tggtgcggtg 148800

ctgtttgttg ggctcccatt ttacccgaag atcggctgct atccccggga catggatcgc 148860

ggggcggtgg tggggtttct tctcggtgtt tgtgttgtat cgtgcttggc gggaacgccc 148920

aaaacgtcct ggagacgggt gagtgtcggc gaggacgttt cgttgcttcc agctccgggg 148980

cctacggggc gcggcccgac ccagaaacta ctatgggccg tggaacccct ggatgggtgc 149040

ggccccttac acccgtcgtg ggtctcgctg atgcccccca agcaggtgcc cgagacggtc 149100

gtggatgcgg cgtgcatgcg cgctccggtc ccgctggcga tggcgtacgc ccccccggcc 149160

ccatctgcga ccgggggtct acggacggac ttcgtgtggc aggagcgcgc ggccgtggtt 149220

aaccggagtc tggttattta cggggtccga gagacggaca gcggcctgta taccctgtct 149280

gtgggcgaca taaaggaccc ggctcgccaa gtggcctcgg tggtcctggt ggtgcaaccg 149340

gccccagttc cgaccccacc cccgacccca gccgattacg acgaggatga caatgacgag 149400

ggcgagggcg aggacgaaag tctagccggc actcccgcca gcgggacccc ccggctcccg 149460

cctccccccg ccccccgag gtcttggccc agcgcccccg aagtctcaca cgtgcgtggg 149520

gtgaccgtgc gtatggagac tccggaagct atcctgtttt cccccgggga ggcgtttagc 149580

acgaacgtct ccatccatgc catcgcccac gacgaccaga cctacaccat ggacgtcgtc 149640

tggttgaggt tcgacgtgcc gacctcgtgt gccgagatgc gaatatacga atcgtgtctg 149700

tatcacccgc agctcccaga gtgtctgtcc ccggccgacg ctccgtgcgc cgcgagtacg 149760

tggacgtctc gcctggccgt ccgcagctac gcggggtgtt ccagaacaaa ccccccgccg 149820

cgctgttcgg ccgaggctca catggagccc ttcccggggc tggcgtggca ggcggcctcc 149880

gtcaatctgg agttccggga cgcgtcccca caacactccg gcctgtatct gtgcgtggtg 149940

tacgtcaacg accatattca cgcatggggc cacattacca tcagcaccgc ggcgcagtac 150000

cggaacgcgg tggtggaaca gcccctccca cagcgcggcg cggatttggc cgagcccacc 150060

cacccgcacg tcggggcccc tccccacgcg cccccaaccc acggcgccct gcggttaggg 150120

gcggtgatgg gggccgccct gctgctgtct gcgctggggt tgtcggtgtg ggcgtgtatg 150180

acctgttggc gcaggcgtgc ctggcgggcg gttaaaagca gggcctcggg taaggggccc 150240

acgtacattc gcgtggccga cagcgagctg tacgcggact ggagctcgga cagcgaggga 150300

gaacgcgacc aggtcccgtg gctggccccc ccggagagac ccgactctcc ctccaccaat 150360

ggatccggct ttgagatctt atcaccaacg gctccgtctg tataccccg tagcgatggg 150420

catcaatctc gccgccagct cacaaccttt ggatccggaa ggcccgatcg ccgttactcc 150480

caggcctccg attcgtccgt cttctggtaa ggcgccccat cccgaggccc cacgtcggtc 150540

gccgaactgg gcgaccgccg gcgaggtgga cgtcggagac gagctaatcg cgatttccga 150600

cgaacgcgga ccccccgac atgaccgccc gcccctcgcc acgtcgaccg cgccctcgcc 150660

acacccgcga ccccgggct acacggccgt tgtctccccg atggccctcc aggctgtcga 150720

cgccccctcc ctgtttgtcg cctggctggc cgctcggtgg ctccgggggg cttccggcct 150780

gggggccgtc ctgtgtggga ttgcgtggta tgtgacgtca attgcccgag gcgcataaag 150840

ggccggtggt ccgcctagcc gcagcaaatt aaaaatcgtg agtcactgcg accgcaactt 150900

cccacccgga gctttcttcc ggcctcgatg acgtcccggc tctccgatcc caactcctca 150960

gcgcgatccg acatgtccgt gccgctttat cccacggcct cgccagtttc ggtcgaagcc 151020

tactactcgg aaagcgaaga cgaggcggcc aacgacttcc tcgtacgcat gggccgccaa 151080

cagtcggtat taaggcgtcg acgcagacgc acccgctgcg tcggcatggt gatcgcctgt 151140

ctcctcgtgg ccgttctgtc gggcggattt ggggcgctcc tgatgtggct gctccgctaa 151200

aagaccgcat cgacacgcgc gtccttcttg tcgtctctct tccccccat caccccgcaa 151260

tttgcaccca gcctttaact acattaaatt gggttcgatt ggcaatgttg tctcccggtt 151320

gatttttggg tgggtgggga gtgggtgggt ggggagtggg tgggtgggga gtgggtgggt 151380

ggggagtggg tgggtgggga gtgggtgggt ggggagtggg tgggtgggga gtgggtgggt 151440

ggggagtggg tgggtgggga gtgggtgggt ggggagtggc aaggaagaaa caagcccgac 151500

caccagacag aaaatgtaac catacccaaa ccgactctgg gggctgtttg tggggtcgga 151560

accataggat gaacaaacca ccccgtacct cccgcaccct tgggtgcggg tggctcatcg 151620

gcatctgtcc ggtatgggtt gttccccacc cacttgcgtt cggacgtctt agaatcatgg 151680

cggttttcta tgccgacatc ggttttctcc cccgcaataa gacacgatgc gataaaatct 151740

gtttgtgaaa tttattaagg gtacaaattg ccctagcaca ggggtggggt tagggccggg 151800

tccccacacc caaacgcacc aaacagatgc aggcagtggg tcgagtacag ccccgcgtac 151860

gaacacgtcg atgcgtgtgt cagacagcac cagaaagcac aggccatcaa caggtcgtgc 151920

atatgtcggt gggtttggac gcgggggggcc atggtggtga taaagttaat ggccgccgtc 151980

cgccagggcc acaggggcga cgtctcttgg ttggcccgga gccactgggt gtggaccagc 152040

cgcgcgtggc ggcccaacat ggcccctgta gccgggggcg ggggatcgcg cacgtttgca 152100

gcgcacatgc gagacacctc gaccacggtt cggaagaagg cccggtggtc cgcgggcaac 152160

atcaccaggt gcgcaagcgc ccgggcgtcc agagggtaga gccctgagtc atccgaggtt 152220

ggctcatcgc ccgggtcatg ccgcaagtgc gtgtgggttg ggcttccggt gggcgggacg 152280

cgaaccgcgg tgtggagccc tacgcgggcc cgagcgtacg ctccatcttg tggggagaag 152340

gggtctgggc tcgccagggg ggcatacttg cccgggctat acagacccgc gagccgtacg 152400

tggttcgcgg ggggtgcgtg gggtccgggg ctcccgggga ggccggggct cccggggttg 152460

tcgtggatcc ctggggtcac gcggtaccct ggggtctctg ggagctcgcg gtactctggg 152520

ttccctaggt tctcggggtg gtcgcggaac ccggggctcc cggggaacac gcggtgtcct 152580

ggggattgtt ggcggtcgga cggcttcaga tggcttcgag atcgtagtgt ccgcaccgac 152640

tcgtagtaga cccgaatctc cacattgccc cgccgcttga tcattatcac cccgttgcgg 152700

gggtccggag atcatgcgcg ggtgtcctcg aggtgcgtga acacctctgg ggtgcatgcc 152760

ggcggacggc acgcctttta agtaaacatc tgggtcgccc ggcccaactg gggccggggg 152820

ttgggtctgg ctcatctcga gagccacggg gggaaccacc ctccgcccag aaacttgggc 152880

gatggtcgta cccgggactc aacgggttac cggattacgg ggactgtcgg tcacggtccc 152940

gccggttctt cgatgtgcca cacccaagga tgcgttgggg gcgattttgg gcagcagccc 153000

gggagagcgc agcagaggac gctccgggtc gtgcacggcg gttttggccg cctcccggtc 153060

ctcacgcccc cttttattga tctcatcgcg tacgtcggcg tacgtcctgg gcccaacccg 153120

catgttgtcc aggaaggtgt ccgccatttc cagggcccac gacatgctcc cccgcccgac 153180

gagcaggaag cggtccacgc aacggtcgcc gccggtcgcc ccgacgagca ggaagcggtc 153240

cacgcaacgg tcgccgccgg tcgcctcgac gaggacgttc ctcctgcggg aaggcacgaa 153300

cgcgggtgag ccccctcctc cgcccccgcg tccccctcc tccgcccccg cgtcccccct 153360

cctccgcccc cgcgtccccc ctcctccgcc cccgcgtccc ccctcctccg cccccgcgtc 153420

ccccctcctc cgcccccgcg tccccctcc tccacccccg cgtccccccc tcctccgccc 153480

acccaaggtg cttacccgtg cacaaaggcg gaccggtggg tttctgtcgt cggaggcccc 153540

cggggtgcgt cccctgtgtt tcgtgggtgg ggtgggtggg tctttccgcg tgtccctttc 153600

cgatgcgatc ccgatcccga gccggggcgt cgcgatgccg acgccgtccg ctccgacggc 153660

cctctgcgag tcccgctccc ggtccgcgtg ctccgcagcc gctcccgtcg ttcgtggccg 153720

gcgccgtctg cgggcgtcgg tcgcgccggg cctttatgtg cgccggagag acccgccccc 153780

cgccgcccgg gcccgccccc ggggccggcg cggagtcggg cacggcgcca gtgctcgcac 153840

ttcgccctaa taatatatat atattgggac gaagtgcgaa cgcttcgcgt tctcacttct 153900

tttacccggc ggccccgccc ccttggggcg gtcccgcccg ccggccaatg gggggggcggc 153960

aaggcgggcg gcccttgggc cgcccgccgt cccgttggtc ccaacgtccg gcgggcggga 154020

ccgggggccc ggggacggcc aacgggcgcg cggggctcgt atctcattac cgccgaaccg 154080

ggaagtcggg gcccgggccc cgcccccggc ccgttcctcg ttagcatgcg gaacggaagc 154140

ggaaaccacc ggatcgggcg gtaatgagat gccatgcggg gcggggcgcg ggcccacccg 154200

ccctcgcgcc ccgcccatgg cagatggcgc ggatgggcgg ggccgggggt tcgaccaacg 154260

ggccgcggcc acgggccccc ggcgtgccgg cgtcggggcg gggtcgtgca taatggaatt 154320

ccgttcgggg cgggcccgcc tgggggggcgg ggggccggcg gcctccgctg ctcctccttc 154380

ccgccggccc ctgggactat atgagcccga ggacgccccg atcgtccaca cggagcgcgg 154440

ctgccgacac ggatccacga cccgacgcgg gaccgccaga gacagaccgt cagacgctcg 154500

ccgcgccggg acgccgatac gcggacgaag cgcgggaggg ggatcggccg tccctgtcct 154560

ttttcccacc caagcatcga ccggtccgcg ctagttccgc gtcgacggcg ggggtcgtcg 154620

gggtccgtgg gtctcgcccc ctccccatcg agagtccgta ggtgacctac cgtgctacgt 154680

ccgccgtcgc agccgtatcc ccggaggatc gccccgcatc ggcgatggcg tcggagaaca 154740

agcagcgccc cggctccccg ggccccaccg acgggccgcc gcccaccccg agcccagacc 154800

gcgacgagcg gggggccctc gggtggggcg cggagacgga ggagggcggg gacgaccccg 154860

accacgaccc cgaccacccc cacgacctcg acgacgcccg gcgggacggg agggcccccg 154920

cggcgggcac cgacgccggc gaggacgccg gggacgccgt ctcgccgcga cagctggccc 154980

tgctggcctc catggtagag gaggccgtcc ggacgatccc gacgcccgac cccgcggcct 155040

cgccgccccg gacccccgcc tttcgagccg acgacgatga cggggacgag tacgacgacg 155100

cagccgacgc cgccggcgac cgggccccgg cccggggccg cgcacgggag gccccgctac 155160

gcggcgcgta tccggacccc acggaccgcc tgtcgccgcg cccgccggcc cagccgccgc 155220

ggagacgtcg tcacggccgg cggcggccat cggcgtcatc gacctcgtcg gactccgggt 155280

cctcgtcctc gtcgtccgca tcctcttcgt cctcgtcgtc cgacgaggac gaggacgacg 155340

acggcaacga cgcggccgac cgcgcacgcg aggcgcgggc cgtcgggcgg ggtccgtcga 155400

gcgcggcgcc ggaagccccc gggcggacgc cgcccccgcc cgggccaccc cccctctccg 155460

aggccgcgcc caagccccgg gcggcggcga ggacccccgc ggcctccgcg ggccgcatcg 155520

agcgccgccg ggcccgcgcg gcggtggccg gccgcgacgc cacgggccgc ttcacggccg 155580

ggcagccccg gcgggtcgag ctggacgccg acgcggcctc cggcgccttc tacgcgcgct 155640

atcgcgacgg gtacgtcagc ggggagccgt ggcccggcgc cgggcccccg cccccggggc 155700

gggtgctgta cggcggcctg ggcgacagcc gcccgggcct ctgggggggcg cccgaggcgg 155760

aggaggcgcg acgccggttc gaggcctcgg gcgccccggc ggccgtgtgg gcgcccgagc 155820

tgggcgacgc cgcgcagcag tacgccctga tcacgcggct gctgtacacc ccggacgcgg 155880

aggccatggg gtggctccag aacccgcgcg tggtccccgg ggacgtggcg ctggaccagg 155940

cctgcttccg gatctcgggc gccgcgcgca acagcagctc cttcatcacc ggcagcgtgg 156000

cgcgggccgt gccccacctg ggctacgcca tggcggccgg ccgcttcggc tggggcctgg 156060

cgcacgcggc ggccgccgtg gccatgagcc gccgatacga ccgcgcgcag aagggcttcc 156120

tgctgaccag cctgcgccgc gcctacgcgc ccctgttggc gcgcgagaac gcggcgctga 156180

cgggggccgc ggggagcccc ggcgccggcg cagatgacga gggggtcgcc gccgccgtcg 156240

tcgccgccgc cgccgcaccg ggcgagcgcg cggtgcccgc cgggtacggc gccgcgggga 156300

tcctcgccgc cctggggcgg ctgtccgccg cgcccgcctc ccccgcgggg ggcgacgacc 156360

ccgacgccgc ccgccacgcc gacgccgacg acgacgccgg gcgccgcgcc caggccggcc 156420

gcgtggccgt ggagtgcctg gccgcctgcc gcgggatcct ggaggcgctg gccgagggct 156480

tcgacggcga cctggcggcc gtcccggggc tggccggggc ccggcccgcc agccccccgc 156540

ggccggaggg acccgcgggc cccgcttccc cgccgccgcc gcacgccgac gcgccccgcc 156600

tgcgcgcgtg gctgcgcgag ctgcggttcg tgcgcgacgc gctggtgctc atgcgcctgc 156660

gcggggacct gcgcgtggcc ggcggcagcg aggccgccgt ggccgccgtg cgcgccgtga 156720

gcctggtcgc cggggccctg ggccccgcgc tgccgcggga cccgcgcctg ccgagctccg 156780

cggccgccgc cgccgcggac ctgctgtttg agaaccagag cctgcgcccc ctgctggcgg 156840

cggccgccag cgcaccggac gccgccgacg cgctggcggc cgccgccgcc tccgccgcgc 156900

cgcgggaggg gcgcaagcgc aagagtcccg gcccggcccg gccgcccgga ggcggcggcc 156960

cgcgaccccc gaagacgaag aagagcggcg cggacgcccc cggctcggac gcccgcgccc 157020

ccctccccgc gccccctcc acgcccccgg ggcccgagcc cgcccccgcc cagcccgcgg 157080

cgccccgggc cgccgcggcg caggcccgcc cgcgccccgt ggcgctgtcg cgccggcccg 157140

ccgagggccc cgacccccctg ggcggctggc ggcggcagcc cccggggccc agccacacgg 157200

cggcgcccgc ggccgccgcc ctggaggcct actgctcccc gcgcgccgtg gccgagctca 157260

cggaccaccc gctgttcccc gtcccctggc gaccggccct catgtttgac ccgcgggccc 157320

tggcctcgat cgccgcgcgg tgcgccgggc ccgccgccgc cgcccaggcc gcgtgcggcg 157380

gcggcgacga cgacgataac ccccaccccc acggggccgc cgggggccgc ctctttggcc 157440

ccctgcgcgc ctcgggcccg ctgcgccgca tggcggcctg gatgcgccag atccccgacc 157500

ccgaggacgt gcgcgtggtg gtgctgtact cgccgctgcc gggcgaggac ctggccggcg 157560

gcggggcctc gggggggccg ccggagtggt ccgccgagcg cggcgggctg tcctgcctgc 157620

tggcggccct ggccaaccgg ctgtgcgggc cggacacggc cgcctgggcg ggcaactgga 157680

ccggcgcccc cgacgtgtcg gcgctgggcg cgcagggcgt gctgctgctg tccacgcggg 157740

acctggcctt cgccggggcc gtggagtttc tggggctgct cgccagcgcc ggcgaccggc 157800

ggctcatcgt ggtcaacacc gtgcgcgcct gcgactggcc cgccgacggg cccgcggtgt 157860

cgcggcagca cgcctacctg gcgtgcgacc tgctgcccgc cgtgcagtgc gccgtgcgct 157920

ggccggcggc gcgggacctg cgccgcacgg tgctggcccc gggccgcgtg ttcggcccgg 157980

gggtcttcgc gcgcgtggag gccgcgcacg cgcgcctgta ccccgacgcg ccgccgctgc 158040

gcctgtgccg cggcggcaac gtgcgctacc gcgtgcgcac gcgcttcggc ccggacacgc 158100

cggtgcccat gtccccgcgc gagtaccgcc gggccgtgct gccggcgctg gacggccggg 158160

cggcggcctc ggggaccacc gacgccatgg cgcccggcgc gccggacttc tgcgaggagg 158220

aggcccactc gcaccgcgcc tgcgcgcgct ggggcctggg cgcgccgctg cggcccgtgt 158280

acgtggcgct ggggcgcgag gcggtgcgcg ccggcccggc ccggtggcgc gggccgcgga 158340

gggacttttg cgcccgcgcc ctgctggagc ccgacgacga cgccccccg ctggtgctgc 158400

gcggcggcga cgacgacgac gacggcccgg gggccctgcc gccggcgttg cccgggattc 158460

gctgggcctc ggccacgggc cgcagcggca ccgtgctggc ggcggcgggg gccgtggagg 158520

tgctgggggc ggaggcgggc ttggccacgc ccccgcgacg ggaagttgtg gactgggaag 158580

gcgcctggga cgacgacgac ggcggcgcgt tcgaggggga cggggtgctg taacgggccg 158640

ggacggggcg gggcgcttgc gaaacccgaa gacgcaataa acgacaacga cctgatttag 158700

ttttgcagta gcgttgttta tttcgagggg cgggaggggg cgaggggcgg gaggggcga 158760

ggggcgggag ggggcgaggg gcgggagggg gcgaggggcg ggaggggcg aggggcggga 158820

gggggcgagg ggcgggaggg ggcgaggggc gggaggggc gaggggcggg aggggcgag 158880

gggcgggagg gggcgagggg cgggaggggg cgaggggcgg gaggggcga ggggcgggag 158940

ggggcgaggg gcgggagggg gcgaggggcg ggaggggcg aggggcggga gggggcgagg 159000

ggcgggaggg ggcgaggggc gggaggggc gaggggcggg aggggcgag gggcggtggt 159060

ggtgcgcggg cgcccccgga gggtttggat ctctgacctg agattggcgg cactgaggta 159120

gagatgcccg aacccccccg agggagcgcg ggacgcggcc ggggagggct ggggccgggg 159180

agggctgggg ccggggaggg ctggggccgg ggagggctgg ggccggggag ggctggggcc 159240

ggggagggct ggggccgggg agggctgggg ctggggaggg ctggggctgg ggagggctgg 159300

ggcggtggtg tgtgacagga gcggcgtgtt gcgctggggg acgtctggag gagcgggggg 159360

tgcgcggtga cgtgtggatg aggaacagga gttgttgcgc ggtgagttgt cgctgtgagt 159420

tgtgttggtg ggcaggtgtg gtggatgacg tgacgtgtga cgtgtggatg aggaaccgga 159480

gtcgccggtg cgccgtgctg ttggtgttct gttggtgttg ttacacctgt ggcagcccgg 159540

gccccccgcg ggcggggcgg cgcgcaaaaa aggcgggcgg cggtccgggc ggcgtgcgcg 159600

cgcgcggcgg gcgttggggg agcgggggga ggagcggggg gaggagcggg gggaggagcg 159660

gggggaggag cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg 159720

gggggaggag cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg 159780

gggggaggag cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg 159840

gaaaacgggc ccccccccgaa acacaccccc cgggggtcgc gcgcggccct ttaaagcg 159898

<210> 8
<211> 159958
<212> DNA
<213> Artificial Sequence

<220>
<223> C173 from HSV-C134 Complete Viral Genome v1 Chimeric HSV expressing EphA2-Ecto-MLM

<400> 8
agcccgggcc ccccgcgggc ggggcggcgc gcaaaaaagg cgggcggcgg tccgggcggc 60

gtgcgcgcgc gcggcgggcg ttggggagcg gggggaggag cgggggggagg agcgggggga 120

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 180

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 240

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 300

ggagcggaaa acgggccccc cccgaaacac acccccgggg ggtcgcgcgc ggcctttaa 360

agcgcggcgg cgcagcccgg gccccccgcg gccgagacga gcgagttaga caggcaagca 420

ctactcgcct ctgcacgcac atgcttgcct gtcaaactct accaccccgg cacgctctct 480

gtctccatgg cccgccgccg ccgccatcgc ggcccccgcc gcccccggcc gcccgggccc 540

acgggcgccg tcccaaccgc acagtcccag gtaaccgcct atgggaatga aagaccccac 600

ctgtaggttt ggcaagctag gatcaaggtc aggaacagag aaacaggaga atatgggcca 660

aacaggatat ctgtggtaag cagttcctgc cccgctcagg gccaagaaca gttggaacag 720

gagaatatgg gccaaacagg atatctgtgg taagcagttc ctgccccgct cagggccaag 780

aacagatggt ccccagatgc ggtcccgccc tcagcagttt ctagagaacc atcagatgtt 840

tccagggtgc cccaaggacc tgaaatgacc ctgtgcctta tttgaactaa ccaatcagtt 900

cgcttctcgc ttctgttcgc gcgcttctgc tccccgagct ctatataagc agagctggtt 960

tagtgaaccg tcagatcgcc tggagacgcc atccacgctg ttttgacctc catagaagac 1020

accgactcta gctagggatc tcctaggaag ctggccgcac aaagtggtac cggatcccgg 1080

gtcgaccatg gagctccggg cagtcggttt ctgcctggcg ctgctgtggg gttgcgcgct 1140

ggcggccgcg gcggcacagg gaaaggaagt tgttttgttg gacttcgcag caatgaaggg 1200

agagctcggc tggctcacgc acccctatgg caaagggtgg gacctgatgc agaacatcat 1260

ggacgacatg cctatctaca tgtactcggt gtgcaacgtg gtatccggcg accaggacaa 1320

ctggctccgc accaactggg tgtaccggga ggaggccgag cgcatcttta ttgagctcaa 1380

gttcacggtg cgagactgta acagcttccc gggtggcgcc agctcatgca aagagacctt 1440

caacctctac tatgcagagt cagatgtgga ctatggcacc aacttccaga agcgccagtt 1500

caccaagatt gacaccatcg cccctgacga gatcacggtc agcagtgact tcgaggctcg 1560

caatgtcaag ctgaacgtag aggagcgcat ggtggggccc cttacccgga agggcttcta 1620

cctggccttc caggacatcg gcgcctgcgt ggcgctgctc tccgttcgcg tctactacaa 1680

gaagtgtccc gagatgctgc agagcttggc tcgcttcccc gagaccattg ctgtcgctgt 1740

ctccgataca caacccctgg ccacggtggc cggtacctgc gtggaccatg ccgtggtgcc 1800

ttatgggggc gaggggcctc tcatgcactg cacggtggat ggcgagtggc tggtgcccat 1860

cgggcagtgc ctgtgccagg aaggctacga gaaggtcgag gatgcctgcc gagcctgttc 1920

tccaggattc ttcaagtctg aggcatctga gagcccttgc ctggagtgtc cagagcatac 1980

cctgccatcc acagagggtg ccacctcctg ccagtgtgaa gaaggctatt tcagggcacc 2040

tgaggaccca ctgtccatgt cttgcacacg tccaccctct gcccccaact acctcacggc 2100

cattggcatg ggtgccaaag tagaactgcg ttggacagct cccaaggaca ctggtggccg 2160

ccaggacatt gtctacagtg tcacttgcga acagtgctgg ccagagtctg gcgagtgtgg 2220

gccctgtgag gcgagcgtgc gctattcaga acctcctcac gccctgaccc gcacgagtgt 2280

gacagtcagt gacctggagc cccacatgaa ctataccttc gctgtcgaag cacgcaatgg 2340

tgtctcaggc ctggtgacta gccgaagctt ccggactgcc agcgtcagta ttaaccaaac 2400

agagcccccc aaagtgaggc tggaggaccg aagcaccacc tccctgagtg tcacctggag 2460

catcccggtg tcacagcaga gccgtgtgtg gaagtacgaa gtcacctacc gcaagaaggg 2520

ggatgccaac agctataatg tgcgccgcac ggaaggcttc tccgtgaccc tggatgacct 2580

tgctccggat accacgtacc tggtgcaggt gcaggcgctg acgcaggagg gccagggagc 2640

cggcagcaaa gtgcacgagt tccagacact gtccacggaa ggatctggga attcagaaca 2700

aaaactcatc tcagaagaag atctaggagg cggcgggtca ggtggaggtg gctctggcgg 2760

tggcggttct tgttggacgc tggatcgggg gtattgctcc taattccgac tcactatagg 2820

gcgaattaat tccggagatc tctagatccg gagagacgat ggcaggagcc gcgcatatat 2880

acgcttggag ccagcccgcc ctcacagggc gggccgcctc gggggcggga ctggccaatc 2940

ggcggccgcc agcgcggcgg ggcccggcca accagcgtcc gccgagtctt cggggcccgg 3000

cccattgggc gggagttacc gcccaatggg ccgggccgcc cacttcccgg tatggtaatt 3060

aaaaacttgc aagaggcctt gttccgcttc ccggtatggt aattagaaac tcattaatgg 3120

gcggccccgg ccgcccttcc cgcttccggc aattcccgcg gcccttaatg ggcaaccccg 3180

gtattccccg cctcccgcgc cgcgcgtaac cactcccctg gggttccggg ttatgctaat 3240

tgctttttg gcggaacaca cggcccctcg cgcattggcc cgcgggtcgc tcaatgaacc 3300

cgcattggtc ccctggggtt ccgggtatgg taatgagttt cttcgggaag gcgggaagcc 3360

ccggggcacc gacgcaggcc aagcccctgt tgcgtcggtg ggaggggcat gctaatgggg 3420

ttctttgggg gacaccgggt tggtccccca aatcgggggc cgggccgtgc atgctaatga 3480

tattctttgg gggcgccggg ttggtccccg gggacggggc cgccccgcgg tgggcctgcc 3540

tcccctggga cgcgcggcca ttgggggaat cgtcactgcc gccccttttgg ggaggggaaa 3600

ggcgtggggt ataagttagc cctggcccga cagtctggtc gcatttgcac ctcggcactc 3660

ggagcgagac gcagcagcca ggcagactcg ggccgccccc tctccgcatc accacagaag 3720

ccccgcctac gttgcgaccc ccagggaccc tccgtccgcg accctccaac cgcatacgac 3780

ccccatggag ccccgccccg gagcgagtac ccgccggcct gagggccgcc cccagcgcga 3840

ggtgaggggc cgggcgccat gtctggggcg ccatattggg gggcgccata ttgggggggcg 3900

ccatgttggg ggacccccga cccttacact ggaaccggcc gccatgttgg gggacccccа 3960

ctcatacacg ggagccgggc gccatgttag ggggcgtgga accccgtgac actatatata 4020

cagggaccgg gggcgccatg ttaggggggcg cggaaccccc tgaccctata tatacaggga 4080

ccggggtcgc cctgttgggg gtcgccatgt gacccccctga ctttatatat acagaccccc 4140

caacacatac acatggcccc tttgactcag acgcagggcc cggggtcgcc gtgggacccc 4200

ctgactcata cacagagaca cgcccccaca acaaacacac agggaccggg gtcgccgtgt 4260

taggggggcgt ggtccccact gactcatacg cagggcccccc ttactcacac gcatctaggg 4320

gggtggggag gagccgcccg ccatatttgg gggacgccgt gggacccccg actccggtgc 4380

gtctggaggg cgggagaaga gggaagaaga ggggtcggga tccaaaggac ggacccagac 4440

caccttttggt tgcagacccc tttctccccc ctcttccgag gccagcaggg gggcaggact 4500

ttgtgaggcg gggggggggа gaggggggaac tcgtgggcgc tgattgacgc gggaaatccc 4560

cccattctta cccgcccccc ttttttttccc cttagcccgc cccggatgtc tgggtgtttc 4620

cctgcgaccg agacctgccg gacagcagcg actctgaggc ggagaccgaa gtgggggggc 4680

gggggacgc cgaccaccat gacgacgact ccgcctccga ggcggacagc acggacacgg 4740

aactgttcga gacggggctg ctggggccgc agggcgtgga tgggggggcg gtctcggggg 4800

ggagcccccc ccgcgaggaa gaccccggca gttgcggggg cgccccccct cgagaggacg 4860

gggggagcga cgagggcgac gtgtgcgccg tgtgcacgga tgagatcgcg ccccacctgc 4920

gctgcgacac cttcccgtgc atgcaccgct tctgcatccc gtgcatgaaa acctggatgc 4980

aattgcgcaa cacctgcccg ctgtgcaacg ccaagctggt gtacctgata gtgggcgtga 5040

cgcccagcgg gtcgttcagc accatcccga tcgtgaacga cccccagacc cgcatggagg 5100

ccgaggaggc cgtcagggcg ggcacggccg tggactttat ctggacgggc aatcagcggt 5160

tcgccccgcg gtacctgacc ctgggggggc acacggtgag ggccctgtcg cccacccacc 5220

ctgagcccac cacggacgag gatgacgacg acctggacga cggtgaggcg gggggcggc 5280

gaggaccctg ggggaggagg aggaggaggg gggagggagg aataggcggg cgggggggcg 5340

aggaaagggc gggcgcggaa agggagggcc tgggaggggg cgtaacctga tcgcgccccc 5400

cgttgtctct tgcagcagac tacgtaccgc ccgccccccg ccggacgccc cgcgcccccc 5460

cacgcagagg cgccgccgcg ccccccgtga cgggcggggc gtctcacgca gccccccagc 5520

cggccgcggc tcggacagcg ccccccctcgg cgcccatcgg gccacacggc agcagtaaca 5580

ccaacaccac caccaacagc agcggcggcg gcggcggctc ccgccagtcg cgagccgcgg 5640

cgccgcgggg ggcgtctggc ccctccgggg gggttggggt tggggttggg gttgttgaag 5700

cggaggcggg gcggccgagg ggccggacgg gcccccttgt caacagaccc gccccccttg 5760

caaacaacag agaccccata gtgatcagcg actcccccccc ggcctctccc cacaggcccc 5820

ccgcggcgcc catgccaggc tccgcccccc gccccgggcc caccgcgtcc tcggccgcgt 5880

cgggacccgc gcgcccccgc gcggccgtgg ccccgtgcgt gcgagcgccg cctccggggc 5940

ccggcccccg cgccccggcc cccgcggacg cgcgccgtgt gccccagtcg cactcgtccc 6000

tggctcaggc cgcgaaccaa gaacagagtc tgtgccgggc gcgtgcgacg gtggcgcgcg 6060

gctcgggggg gccgggcgtg gagggtggac acgggccctc ccgcggcgcc gccccctccg 6120

gcgccccccc gctcccctcc gccgcctctg tcgagcagga ggcggcggtg cgtccgagga 6180

agaggcgcgg gtcgggccag gaaaacccct ccccccagtc cacgcgtccc cccctcgcgc 6240

cggcaggggc caagagggcg gcgacgcacc ccccctccga ctcagggccg ggggggcgcg 6300

gccagggtgg gcccgggacc cccctgacgt cctcggcggc ctccgcctct tcctcctctg 6360

cctcttcctc ctcggccccg actcccgcgg gggccgcctc ttccgccgcc ggggccgcgt 6420

cctcctccgc ttccgcctcc tcgggcgggg ccgtcggtgc cctgggaggg agacaagagg 6480

aaacctccct cggcccccgc gctgcttctg ggccgcgggg gccgaggaag tgtgcccgga 6540

agacgcgcca cgcggagact tccggggccg cccccgcggg cggcctcacg cgctacctgc 6600

ccatctcggg ggtctctagc gtggtcgccc tgtcgcctta cgtgaacaag acgatcacgg 6660

gggactgcct gcccatcctg gacatggaga cggggaacat cggggcgtac gtggtcctgg 6720

tggaccagac gggaaacatg gcgacccggc tgcgggccgc ggtccccggc tggagccgcc 6780

gcaccctgct ccccgagacc gcgggtaacc acgtgatgcc ccccgagtac ccgacggccc 6840

ccgcgtcgga gtggaacagc ctctggatga cccccgtggg gaacatgctg ttcgaccagg 6900

gcaccctagt gggcgccctg gacttccgca gcctgcggtc tcggcacccg tggtccgggg 6960

agcaggggggc gtcgacccgg gacgagggaa aacaataagg gacgcccccc gtgtttgtgg 7020

ggaggggggg gtcgggcgct gggtggtctc tggccgcgcc cactacacca gccaatccgt 7080

gtcggggagg ggaaaagtga aagacacggg caccacacac cagcgggtct ttagtgttgg 7140

ccctaataaa aaactcaggg gatttttgct gtctattggg aaataaaggt ttacttttgt 7200

atcttttccc tgtctgtgtt ggatggatct cgggggtgcg tgggagtggg ggtgcgtggg 7260

agtgggggtg cgtgggagtg ggggtgcgtg ggagtggggg tgcgtgggag tgggggtgcg 7320

tgggagtggg ggtgcgtggg agtgggggtg cgtgggagtg ggggtgcgtg ggagtggggg 7380

tgccatgttg ggcaggctct ggtgttaacc acagagccgc ggcccgggct gcctgaccac 7440

cgatccccga aagcatcctg ccactggcat ggagccagaa ccacagtggg ttgggtgtgg 7500

gtgttaagtt tccgcgagcg cctgcccgcc cggactgacc tggcctctgg ccgccacaaa 7560

gggcgggggg gggttaacta cactataggg caacaaagga cgggaggggt ggcggggcgg 7620

gacggggcgc ccaaaagggg gtcggccaca ccacagacgt gggtgttggg gggtggggcg 7680

gaggggtggg gggggagaca gaaacaggaa catagttaga aaacaagaat gcggtgcagc 7740

cagagaatca caggagacga ggggatgggc gtgttggtta ccaacccaca cccaggcatg 7800

ctcggtggta tgaaggaggg ggggcggtgc ttcttagaga ccgccggggg acgtggggtt 7860

ggtgtgcaga ggcacgcgca cccgcgtcgg ccaggtgggc cggtacccca tccccctcc 7920

cccgaccctt cccacccccg cgtgccagag atcaccccgg tcccccggca cccgccactc 7980

ctccatatcc tcgctttagg aacaacttta gggggggtac acacgcgccg tgcatttcct 8040

tccacacccc ccctcccccg cactcccccc cccccggcag taagacccaa gcatagagag 8100

ccaggcacaa aaacacaggc ggggtgggac acatgccttc ttggagtacg tgggtcattg 8160

gcgtgggggg ttacagcgac accggccgac cccctggcgg tcttccagcc ggcccttaga 8220

taaggggggca gttggtggtc ggacgggtaa gtaacagagt ctgactaagg gtgggagggg 8280

gggaaaagaa cgggctggtg tgctgtaaca cgagcccacc cgcgagtggc gtggccgacc 8340

ttagcctctg gggcgccccc tgtcgtttgg gtccccccccc tctattgggg agaagcaggt 8400

gtctaaccta cctggaaacg cggcgtcttt gttgaaccac accggggcgc ccttgacgag 8460

tgggataacg ggggaggaag ggagggagga gggtactggg ggtgaagaag gggggggggg 8520

gagaagcgag aacaggaaag gcgacggagc ccgacaaaac accgagaaaa aaaaaccaca 8580

gcgcatgcgc cgggccgttg tggggccccg ggccggggcc ccttgggtcc gccggggccc 8640

cgggccgggc cgccacgggg gccggccgtt ggcggtaacc ccgattgttt atctcaggcc 8700

ccgggccggg aacccggaaa agcctccggg gggccttttt cgcgtcgcgt gccggcgagc 8760

gggcccggac ggggcccgga ccgccgcggt cgggggcccc ctcgtcccgg gccgtacgcg 8820

gccttcgccc cgtgagggga cagacgaacg aaacattccg gcgacggaac gaaaaacacc 8880

ccagacgggt taaagaaaca gaaaccgcaa ccccccccac ccccgaaacg gggaaaacaa 8940

aaaacagacc agcggccggc cggcgcttag ggggaggatg tcgccgacgc cccttggccg 9000

ccccggctgc agggggggccc ggagagccgc ggcacccgga cgcgcccgga aagtctttcg 9060

caccacccgc gatcggcacg gccgcgcccc cgcttttata aaggctcaga tgacgcagca 9120

aaaacaggcc acagcaccac gtgggtaggt gatgtaattt tattttcctc gtctgcggcc 9180

taatggattt ccgggcgcgg tgcccctgtc tgcagagcac ttaacggatt gatatctcgc 9240

gggcacgcgc gcccttaatg gaccggcgcg gggcgggggg ccggataccc acacgggcgg 9300

gggggggggt gtcgcgggcc gtctgctggc ccgcggccac ataaacaatg actctgggcc 9360

tttctgcctc tgccgcttgt gtgtgcgcgc gccggctctg cggtgtcggc ggcggctgcg 9420

gcggctgcgg cggccgccgt gttcggtctc ggtagccggc cggcgggtgg actcgcgggg 9480

ggccggaggg tggaaggcag gggggtgtag gatgggtatc aggacttcca cttcccgtcc 9540

ttccatcccc cgttcccctc ggttgttcct cgccccccccc cacaccccgc cgctttccgt 9600

tggggttgtt attgttgtcg ggatcgtgcg ggccgggggt cgccggggca ggggcggggg 9660

cgggggtgct cgtcgatcga ccgggctcag tgggggcgtg gggtgggggg gaaaaggcga 9720

agagactggg ggtgggggggg ggtgtcgggg gtggctgttt ttttttgtgg gtgtttttg 9780

tggctgttcc cgtcccccgt caccccccctc cctccgtccc cccgtcgcgg gtgtttgtgt 9840

ttgtttattc cgacatcggt ttatttaaat aaacacagcc gttctgcgtg tctgttcttg 9900

cgtgtggctg ggggcttata tgtggggtcc cgggggcggg atggggttta gcggcggggg 9960

gcggcgcgcc ggacggggcg ctggagataa cggcccccgg ggaacggggg accggggctg 10020

ggtctcccga ggtgggtggg tgggcggcgg tggccgggcc gggccgggcc gggtgggcgg 10080

ggtttggaaa aacgaggagg aggaggagga gaaggagggg gggggagacg gggggaaagc 10140

aaggacacgg cccggggggt gggagcgcgg gccgggccgc tcgtaagagc cgcgacccgg 10200

ccgccgggga gcgttgtcgc cgtcggtctg ccggcccccg tccctccctt ttttgaccaa 10260

ccagcgcccc ccccctcac caccattcct accaccacca ccaccaccga cacctcccgc 10320

acacccccgc ccacactccc ccccccacc caacccgcac cacgagcacg ggttgggggt 10380

agcaggggat caaaggggg caaggccggc ggggcggttc gggggcgggg gcgggagacc 10440

gagtaggccc cgcccatccg cggcccctcc cggcagccac gccccccagc gtcgggtgtc 10500

acggggaaag agcaggggga gaggggagag gggggggagag gggagagggg gggagagggg 10560

agagggggggg agaggggaga gggggggaga ggggagaggg ggggagaggg gagaggggg 10620

gagaggggag agggggggag aggggagagg gggggagagg ggagaggggg ggagagggga 10680

gaggggggga gaggggtat ataaaccaac gaaaagcgcg ggaacgggga tacggggctt 10740

gtgtggcacg acgtcgtggt tgtgttactg ggcaaacact tggggactgt aggtttctgt 10800

gggtgccgac cctaggcgct atggggattt tgggttgggt cgggcttatt gccgttgggg 10860

ttttgtgtgt gcgggggggc ttgtcttcaa ccgaatatgt tattcggagt cgggtggctc 10920

gagaggtggg ggatatatta aaggtgcctt gtgtgccgct cccgtctgac gatcttgatt 10980

ggcgttacga gacccctcg gctataaact atgctttgat agacggtata tttttgcgtt 11040

atcactgtcc cggattggac acggtcttgt gggataggca tgcccagaag gcatattggg 11100

ttaacccctt tttatttgtg gcgggttttt tggaggactt gagtcacccc gcatttcctg 11160

ccaacaccca ggaaacagaa acgcgcttgg ccctttataa agagatacgc caggcgctgg 11220

acagtcgcaa gcaggccgcc agccacacac ctgtgaaggc tgggtgtgtg aactttgact 11280

attcgcgcac ccgccgctgt gtagggcgac aggatttggg acctaccaac ggaacgtctg 11340

gacggacccc ggttctgccg ccggacgatg aagcgggcct gcagccgaag cccctcacca 11400

cgccgccgcc catcatcgcc acgttggacc ccaccccgcg acgggacgcc gccgcaaaaa 11460

gcagacgccg acgaccccac tcccggcgca tctaatgatg ccgcgacgga aacccgtccg 11520

ggttcggggg gcgaaccggc cgcctgtcgc tcgtcagggc cggcgggcgc tcctcgccgc 11580

cctagaggct gtcccgctgg tgtgacgttt tcctcgtccg cgccccccga ccctcccatg 11640

gatttaacaa acgggggggt gtcgcctgtg gcgacctcgg cgcctctgga ctggaccacg 11700

tttcggcgtg tgtttctgat cgacgacgcg tggcggcccc tgttggagcc tgagctggcg 11760

aaccccttaa ccgcccacct cctgaccgaa tataatcgtc ggtgccagac cgaagaggtg 11820

ctgccgccgc gggaggatgt gttttcgtgg actcgttatt gcacccccga cgaggtgcgc 11880

gtggttatca tcggccagga cccatatcac caccccggcc aggcgcacgg acttgcgttt 11940

agcgtgcgcg cgaacgtgcc gcctcccccg agtcttcgga atgtcttggc ggccgtcaag 12000

aactgttatc ccgaggcacg gatgagcggc cacggttgcc tggaaaagtg ggcgcgggac 12060

ggcgtcctgt tactaaacac gaccctgacc gtcaagcgcg gggcggcggc gtcccactct 12120

agaatcggtt gggaccgctt cgtgggcgga gttatccgcc ggttggccgc gcgccgcccc 12180

ggcctggtgt ttatgctctg gggcgcacat gcccagaatg ccatcaggcc ggaccctcgg 12240

gtccattgcg tcctcaagtt ttcgcacccg tcgcccctct ccaaggttcc gttcggaaca 12300

tgccagcatt tcctcgtggc gaatcgatat ctcgagaccc ggtcgatttc acccatcgac 12360

tggtcggttt gaaaggcatc gacgtccggg gttttcgtct gtgggggctt ttgggtattt 12420

ccgatgaata aagacggtta atggttaaac ctctggtctc atacgggtcg gtgatgtcgg 12480

gcgtcggggg agagggagtt ccctctgcgc ttgcgattct agcctcgtgg ggctggacgt 12540

tcgacacgcc aaaccacgag tcagggatat cgccagatac gactcccgca gattccattc 12600

gggggccgc tgtggcctca cctgaccaac ctttacacgg gggcccggaa cgggaggcca 12660

cagcgccgtc tttctcccca acgcgcgcgg atgacggccc gccctgtacc gacgggccct 12720

acgtgacgtt tgataccctg tttatggtgt cgtcgatcga cgaattaggg cgtcgccagc 12780

tcacggacac catccgcaag gacctgcggt tgtcgctggc caagtttagc attgcgtgca 12840

ccaagacctc ctcgttttcg ggaaacgccc cgcgccacca cagacgcggg gcgttccagc 12900

gcggcacgcg ggcgccgcgc agcaacaaaa gccttcagat gtttgtgttg tgcaaacgca 12960

cccacgccgc tcgagtgcga gagcagcttc gggtcgttat tcagtcccgc aagccgcgca 13020

agtattacac gcgatcttcg gacgggcggc tctgccccgc cgtccccgtg ttcgtccacg 13080

agttcgtctc gtccgagcca atgcgcctcc accgagataa cgtcatgctg gcctcggggg 13140

ccgagtaacc gccccccgc gccaccctca ctgcccgtcg cgcgtgtttg atgttaataa 13200

ataacgcata aattatctta atagatctcc cgatccccta tggtgcactc tcagtacaat 13260

ctgctctgat gccgcatagt taagccagta tctgctccct gcttgtgtgt tggaggtcgc 13320

tgagtagtgc gcgagcaaaa tttaagctac aacaaggcaa ggcttgaccg acaattgcat 13380

gaagaatctg cttagggtta ggcgttttgc gctgcttcgc gatgtacggg ccagatatac 13440

gcgttgacat tgattattga ctagttatta atagtaatca attacggggt cattagttca 13500

tagcccatat atggagttcc acgttacata acttacggta aatggcccgc ctggctgacc 13560

gcccaacgac ccccgcccat tgacgtcaat aatgacgtat gttcccatag taacgccaat 13620

agggactttc cattgacgtc aatgggtgga gtatttacgg taaactgccc acttggcagt 13680

acatcaagtg tatcatatgc caagtacgcc ccctattgac gtcaatgacg gtaaatggcc 13740

cgcctggcat tatgcccagt acatgacctt atgggacttt cctacttggc agtacatcta 13800

cgtattagtc atcgctatta ccatggtgat gcggttttgg cagtacatca atgggcgtgg 13860

atagcggttt gactcacggg gatttccaag tctccacccc attgacgtca atgggagttt 13920

gttttggcac caaaatcaac gggactttcc aaaatgtcgt aacaactccg ccccattgac 13980

gcaaatgggc ggtaggcgtg tacggtggga ggtctatata agcagagctc tctggctaac 14040

tagagaaccc actgcttact ggcttatcga aattaatacg actcactata gggagaccca 14100

agctggctag ttaagcttgg taccgagctc ggatccacta gtccagtgtg gtggaattgc 14160

ccttggatcc tcaatggccc agcgcaacgg catgtcgccg cgccccccgc ccctcggtcg 14220

cggccgcggg gccggagggc cttcgggggt tggttcctct cctccttctt cttgtgtgcc 14280

gatgggagcg ccgtccacag cgggcactgg tgcgagtgct gcggctacga cgacgccggg 14340

ccacggcgtc caccgggtag aaccccgcgg gccgccgggc gcccctccga gtagcgacaa 14400

caatggcaac ttttggcacg gcccggagcg cctgttgctg tctcagattc cggtggagcg 14460

ccaggcgctg acggagctgg aataccaggc catgggcgcc gtgtggcgcg cggcgttttt 14520

ggccaacagc acgggccgcg ccatgcgcaa gtggtcgcag cgcgacgcgg gcacgctgct 14580

gccgctcgga cggccgtacg gattctacgc gcgggtgacg ccgcgcagcc agatgaacgg 14640

cgtgggcgcg acggacctgc gtcaactgtc gccgcgggac gcgtggatcg tactggtggc 14700

taccgtggtg cacgaggtgg accccgcagc cgacccgacg ttgggcgaca aggccggcca 14760

tcccgagggt ctgtgcgcgc aggacggact gtacctggcg ctgggcgccg ggttccgcgt 14820

gttcgtgtac gacctggcaa acaacacgct gatcctagcg gcgcgcgacg cggacgagtg 14880

gtttcggcac ggcgcgggcg aggtggtgcg gctgtaccgc tgcaaccggc tgggcgtggg 14940

caccccgcgc gcgacgctgc tgcctcagcc ggcgctccga cagacgttgc tgcgcgccga 15000

ggaggcgacg gcgctcggac gggagctgcg ccggcggtgg gccggcacga cggtggcgct 15060

gcagacgccg ggcaggcgac tgcagccgat ggtactgctg ggcgcgtggc aggagctggc 15120

gcagtacgag ccgttcgcgt cggcgccgca ccccgcgtcg ctgctgacgg ccgtgcgtcg 15180

gcacctgaac cagcgtctgt gctgcggctg gctggcgctg ggcgcggtgc tgcccgcgcg 15240

gtggctgggc tgcgcggcgg ggccggcgac ggggacggcg gcggggacga cgtcgccgcc 15300

agcggcgagc ggcacggaga cggaggccgc cggcggggac gcgccgtgcg cgatagcggg 15360

agccgtgggg tccgctgtac ctgtgcctcc gcagccgtac ggcgccgccg gcgggggcgc 15420

gatttgcgtg cctaacgcgg acgcgcacgc ggtggtcggg gcggacgcgg cagcagcagc 15480

ggcgccgacg gtgatggtgg gttcgacagc gatggcgggt ccggcggcgt cggggaccgt 15540

gccgcgcgcc atgctggtgg tgctgctgga cgagctgggc gccgtgttcg ggtactgccc 15600

gctggacggg cacgtgtacc cgctggcggc ggagctgtcg cactttctgc gcgcgggcgt 15660

gctgggcgcg ctggcgctgg gacgcgagtc ggcgcccgcc gccgaggccg cgcggcggct 15720

gctgcccgag ctggaccgcg agcagtggga gcggccgcgc tgggacgcgc tgcacctgca 15780

cccgcgcgcc gcgctgtggg cgcgcgagcc gcacgggcag tgggagttca tgtttcgcga 15840

acaacgcggt gaccccataa atgatcccct cgcatttcgt ctttcggacg ctcgaactct 15900

cggtctcgac ctcaccaccg tcatgacaga gcgtcaaagt caattgcccg aaaagtatat 15960

cggtttctat cagattagga aacctccttg gctcatggaa caacctccac ccccatctcg 16020

ccaaaccaaa ccggacgctg caacgatgcc cccaccgctc agtgctcagg caagcgtcag 16080

ctacgcgctc cgatacgatg acgagtcctg gcgcccgctc agcacagttg acgaccacaa 16140

agcctggttg gatctcgacg aatcacattg ggtcctcggg gacagccgac ccgacgatat 16200

aaaacaacgc agactgctga aggccactca acgacgaggc gccgaaatcg acagacccat 16260

gcctgtcgtg cctgaagaat gttacgacca acgcttcact accgaaggcc accaggtcat 16320

cccgttgtgc gcgtccgaac ccgaggatga cgacgaagat cctacctacg acgaattgcc 16380

gtcgcgccca ccccagaaac ataagccgcc agacaaacct ccgcgcttat gcaaaacggg 16440

ccccggccca cctccgctgc cgccaaagca acggcacggt tccaccgacg gaaaagtttc 16500

tgcgccccga cagtcggagc atcataaaag acagacccga ccgccaaggc cgccaccgcc 16560

caaattcggg gatagaaccg cggcccatct ctcgcaaaat atgcgggaca tgtacctcga 16620

tatgtgtaca tcttcgggcc acaggccacg gccgccagca cctccgcggc cgaaaaaatg 16680

tcaaacacac gcccctcacc acgttcatca taagcttaag ggcaattctg cagatatcca 16740

gcacagtggc ggccgctcga gtctagaggg cccgcggttc gaaggtaagc ctatccctaa 16800

ccctctcctc ggtctcgatt ctacgcgtac cggtcatcat caccatcacc attgagttta 16860

aacccgctga tcagcctcga ctgtgccttc tagttgccag ccatctgttg tttgcccctc 16920

ccccgtgcct tccttgaccc tggaaggtgc cactcccact gtcctttcct aataaaatga 16980

ggaaattgca tcgcattgtc tgagtaggtg tcattctatt ctgggggggtg gggtggggca 17040

ggacagcaag ggggaggatt gggaagacaa tagcaggcat gctggggatg cggtgggctc 17100

tatggcttct gaggcggaaa gaaccagctg gggctctagg gggtatcccc acgcgccctg 17160

tagcggcgca ttaagcgcgg cgggtgtggt ggttacgcgc agcgtgaccg ctacacttgc 17220

cagcgcccta gcgcccgctc ctttcgcttt cttcccttcc tttctcgcca cgttcgccgg 17280

ctttccccgt caagctctaa atcgggggct ccctttaggg ttccgattta gtgctttacg 17340

gcacctcgac cccaaaaaac ttgattaggg tgatggttca cgtagtgggc catcgccctg 17400

atagacggtt tttcgccctt tgacgttgga gtccacgttc tttaatagtg gactcttgtt 17460

ccaaactgga acaacactca accctatctc ggtctattct tttgatttat aagggatttt 17520

gccgatttcg gcctattggt taaaaaatga gctgatttaa caaaaattta acgcgaatta 17580

attctgtgga atgtgtgtca gttagggtgt ggaaagtccc caggctcccc agcaggcaga 17640

agtatgcaaa gcatgcatct caattagtca gcaaccaggt gtggaaagtc cccaggctcc 17700

ccagcaggca gaagtatgca aagcatgcat ctcaattagt cagcaaccat agtcccgccc 17760

ctaactccgc ccatcccgcc cctaactccg cccagttccg cccattctcc gccccatggc 17820

tgactaattt tttttattta tgcagaggcc gaggccgcct ctgcctctga gctattccag 17880

aagtagtgag gaggcttttt tggaggccta gtattaagga atttggctgg ttgtttgttg 17940

tctttaatgg accgcccgca gggggggtgg catttcagtg tcgggtgacg agcgcgatcc 18000

ggccgggatc ctaggacccc aaaagtttgt ctgcgtattc cagggcgggg ctcagttgaa 18060

tctcccgcag cacctctacc agcaggtccg cggtgggctg gagaaactcg gccgtcccgg 18120

ggcaggcggt cgtcgggggt ggaggcgcgg cgcccacccc gtgtgccgcg cctggcgtct 18180

cctctggggg cgacccgtaa atggttgcag tgatgtaaat ggtgtccgcg gtccagacca 18240

cggtcaaaat gccggccgtg gcgctccggg cgctttcgcc gcgcgaggag ctgacccagg 18300

agtcgaacgg atacgcgtac atatgggcgt cccacccgcg ttcgagcttc tggttgctgt 18360

cccggcctat aaagcggtag gcacaaaatt cggcgcgaca gtcgataatc accaacagcc 18420

caatgggggt gtgttggata acaacgcctc cgcgcggcag gcggtcctgg cgctcccggc 18480

cccgtaccat gatcgcgcgg gtgccgtact caaaaacatg caccacctgc gcggcgtcgg 18540

gcagtgcgct ggtcagcgag gccctggcgt ggcataggct atacgcgatg gtcgtctgtg 18600

gattggacat ctcgcggtgg gtagtgagtc ccccgggccg ggttcggtgg aactgtaagg 18660

ggacggcggg ttaatataca atgaccacgt tcggatcgcg cagagccgat agtatgtgct 18720

tactaatgac gtcatcgcgc tcgtggcgct cccggagcgg atttaagttc atgcgaagga 18780

attcggagga ggtggtgcgg gacatggcca cgtacgcgct gttgaggcgc aggttgccgg 18840

gcgtaaagca gatggcgacc ttgtccaggc taaggccctg ggagcgcgtg atggtcatgg 18900

caagcttgga gctgatgccg tagtcggcgt ttatggccat ggccagctcc gtagagtcaa 18960

tggactcgac aaactcgctg atgttggtgt tgacgacgga catgaagccg tgttggtccc 19020

gcaagaccac gtaaggcagg ggggcctctt ccagtaactc ggccacgttg gccgtcgcgt 19080

gccgcctccg cagctcgtcc gcaaaggcaa acacccgtgc gtacgtgtat cccatgagcg 19140

tataattgtc cgtctgcagg gcgacggaca tcagcccccc gcgcggcgag ccggtcagca 19200

tctcgcagcc ccggaagata acgttgtcca cgtacgtgct aaaggggggcg ccttcaaatg 19260

cctccccaaa gagctcttgg aggattcgga atctcccgag gaaggcccgc ttcagcagcg 19320

caaactgggt gtgaacggcg gcggtggtct ccggttcccc gggggtgtag tggcagtaaa 19380

acacgtcgag ctgttgttcg tccagccccg cgaaaataac gtcgaggtcg tcgtcgggaa 19440

aatcgtccgg gcccccgtcc cgcggcccca gttgcttaaa atcaaacgca cgctcgccgg 19500

gggcgcctgc gtcggccatt accgacgcct gcgtcggcac ccccgaagat ttggggcgca 19560

gagacagaat ctccgccgtt agttctccca tgcgggcgta ggcgagggtc ctctgggtcg 19620

catccaggcc cgggcgctgc agaaagttgt aaaaggagat aagcccgcta aatatgagcc 19680

gcgacaggaa cctgtaggca aactccaccg aagtctcccc ctgagtcttt acaaagctgt 19740

cgtcacgcaa cactgcctcg aaggcccgga acgtcccact aaacccaaaa accagttttc 19800

gcaggcgcgc ggttaccgcg atctggctgt tgaggacgta agtgacgtcg ttgcgggcca 19860

cgaccagctg ctgtttgctg tgcacctcgc agcgcatgtg ccccgcgtcc tggtcctggc 19920

tctgcgagta gttggtgatg cggctggcgt tggccgtgag ccacttttca atagtcaggc 19980

cgggctggtg tgtcagccgt cggtattcgt caaactcctt gaccgacacg aacgtaagca 20040

cggggagggt gaacacgaca aactcccccct cacgggtcac cttcaggtag gcgtggagct 20100

tggccatgta cgcgctcacc tctttgtggg aggagaacaa ccgcgtccag ccggggaggt 20160

tggcggggtt ggtgatgtag ttttccggga cgacgaagcg atccacgaac tgcatgtgct 20220

cctcggtgat gggtaggccg tactccagca ccttcatgag gttaccgaac tcgtgctcga 20280

tgcaccgttt gttgttaata aaaatggccc agctatacga gaggcgggcg tactcccgca 20340

gcgtgcggtt gcagatgagg tacgtgagca cgttctcgct ctggcggacg gaacaccgca 20400

gtttctggtg ctcgaaggtc gactccaggg acgccgtctg tgtcggcgag cccacacaca 20460

ccaacacggg ccgcaggcgg gccgcgtact ggggggtgtg gtacagggcg ttaatcatcc 20520

accagcaata caccacggcc gtgaggaggt gacgcccaag gagcccggcc tcgtcgatga 20580

cgatcacgtt gctgcgggta aaggccggca gcgccccgtg ggtggccggg gccaaccgcg 20640

tcagggcgcc ctcggccaac cccagggtcc gttccagggc ggccagggcg cgaaactcgt 20700

tccgcgactc ctcgcccccg gaggcggcca gggtgcgctt cgtgaggtcc aaaatcacct 20760

cccagtagta cgtcagatct cgtcgctgca ggtcctccag cgaggcgggg ttgctggtca 20820

gggtgtacgg gtactgcccc agttgggcct ggacgtgatt cccgcgaaac ccaaattcat 20880

gaaagatggt gttgatgggt cggctgagaa aggcgcccga gagtttggcg tacatgtttt 20940

gggccgcaat gcgcgtggcg cccgtcacca cacagtccaa gacctcgttg attgtctgca 21000

cgcacgtgct ctttccggag ccagcgttgc cggtgataag atacaccgcg aacggaaact 21060

ccctgagggg caggcctgcg ggggactcta aggccgccac gtcccggaac cactgcagac 21120

ggggcacttg cgctccgtcg agctgttgtt gcgagagctc tcggatgcgc ttaaggattg 21180

gctgcacccc gtgcatagac gtaaaattta aaaaggcctc ggccctccct ggaacggctg 21240

gtcggtcccc gggttgctga aggtgcggcg ggccgggtct ctgtccgtct agctggcgct 21300

ccccgccggc cgccgccatg accgcaccac gctcgcgggc ccccactacg cgtgcgcggg 21360

gggacacgga agcgctgtgc tcccccgagg acggctgggt aaaggttcac cccacccccg 21420

gtacgatgct gttccgcgag attctccacg ggcagctggg gtataccgag ggccaggggg 21480

tgtacaacgt cgtccggtcc agcgaggcga ccacccggca gctgcaggcg gcgatctttc 21540

acgcgctcct caacgccacc acttaccggg acctcgaggc ggactggctc ggccacgtgg 21600

cggcccgcgg tctgcagccc caacggctgg ttcgccggta caggaacgcc cgggaggcgg 21660

atatcgccgg ggtggccgag cgggtgttcg acacgtggcg gaacacgctt aggacgacgc 21720

tgctggactt tgcccacggg ttggtcgcct gctttgcgcc gggcggcccg agcggcccgt 21780

caagcttccc caaatatatc gactggctga cgtgcctggg gttggtcccc atattacgca 21840

agcgacaaga agggggtgtg acgcagggtc tgagggcgtt tctcaagcag cacccgctga 21900

cccgccagct ggccacggtc gcggaggccg cggagcgcgc cggccccggg ttttttgagc 21960

tggcgctggc cttcgactcc acgcgcgtgg cggactacga ccgcgtgtat atttactaca 22020

accaccgccg gggcgactgg ctcgtgcgag accccatcag cgggcagcgc ggagaatgtc 22080

tggtgctgtg gcctcccttg tggaccgggg accgtctggt cttcgattcg cccgtacagc 22140

ggctgtttcc cgagatcgtc gcgtgtcact ccctccggga acacgcgcac gtctgccggc 22200

tgcgcaatac cgcgtccgtc aaggtgctgc tggggcgcaa gagcgacagc gagcgcgggg 22260

tggccggcgc cgcgcgggtc gttaacaagg tgttggggga ggacgacgag accaaggccg 22320

ggtcggccgc ctcgcgcctc gtgcggctta tcatcaacat gaagggcatg cgccacgtag 22380

gcgacattaa cgacactgtg cgtgcctacc tcgacgaggc cgggggggcac ctgatagacg 22440

ccccggccgt cgacggtacc ctcccgggat tcggcaaggg cggaaacagc cgcgggtctg 22500

cgggccagga ccaggggggg cgggcgccgc agcttcgcca ggccttccgc acggccgtgg 22560

ttaacaacat caacggcgtg ttggagggct atataaataa cctgtttgga accatcgagc 22620

gcctgcgcga gaccaacgcg ggcctggcga cccagttgca ggagcgcgac cgcgagctcc 22680

ggcgcgcaac atcgggggcc ctggagcgcc agcagcgcgc ggccgacctg gcggccgagt 22740

ccgtgaccgg gggatgcggc agccgccctg cgggggcgga cctgctccgg gccgactatg 22800

acattatcga cgtcagcaag tccatggacg acgacacgta cgtcgccaac agttttcagc 22860

acccgtacat cccttcgtac gcccaggacc tggagcgcct gtcgcgcctc tgggagcacg 22920

agctggtgcg ctgtttcaaa attctgtgtc accgcaacaa ccagggccaa gagacgtcga 22980

tctcgtactc cagcggggcg atcgccgcat tcgtcgcccc ctactttgag tcagtgcttc 23040

gggccccccg ggtaggcgcg cccatcacgg gctccgatgt catcctgggg gaggaggagt 23100

tatgggatgc ggtgtttaag aaaacccgcc tgcaaacgta cctgacagac atcgcggccc 23160

tgttcgtcgc ggacgtccag cacgcagcgc tgcccccgcc cccctccccg gtcggcgccg 23220

atttccggcc cggcgcgtcc ccgcggggcc ggtccagatc gcggtcgccc ggaagaactg 23280

cgcgaggcgc gccggaccag ggcgggggca tcgggcaccg ggatggccgc cgcgacggcc 23340

gacgatgagg ggtcggccgc caccatcctc aagcaggcca tcgccgggga ccgcagcctg 23400

gtcgaggcgg ccgaggcgat tagccagcag acgctgctcc gcctggcctg cgaggtgcgc 23460

caggtcggcg accgccagcc gcggtttacc gccaccagca tcgcgcgcgt cgacgtcgcg 23520

cctgggtgcc ggttgcggtt cgttctggac gggagtcccg aggacgccta tgtgacgtcg 23580

gaggattact ttaagcgctg ctgcggccag tccagttatc gcggcttcgc ggtggcggtc 23640

ctgacggcca acgaggacca cgtgcacagc ctggccgtgc ccccctcgt tctgctgcac 23700

cggttctccc tgttcaaccc cagggacctc ctggactttg agcttgcctg tctgctgatg 23760

tacctggaga actgcccccg aagccacgcc accccgtcga cctttgccaa ggttctggcg 23820

tggctcgggg tcgcgggtcg ccgcacgtcc ccattcgaac gcgttcgctg ccttttcctc 23880

cgcagttgcc actgggtcct aaacacactc atgttcatgg tgcacgtaaa accgttcgac 23940

gacgagttcg tcctgcccca ctggtacatg gcccggtacc tgctggccaa caacccgccc 24000

cccgttctct cggccctgtt ctgtgccacc ccgacaagct cctcattccg gctgccgggg 24060

ccgccccccc gctccgactg cgtggcctat aaccccgccg ggatcatggg gagctgctgg 24120

gcgtcggagg aggtgcgcgc gcctctggtc tattggtggc tttcggagac cccaaaacga 24180

cagacgtcgt cgctgtttta tcagttttgt tgaattttag gaaataaacc cggttttgtt 24240

tctgtggcct cccgacggat gcgcgtgtcc ttactccgtc ttggtgggtg ggtggctgtg 24300

tatggcgtcc catctgtgcg gggaggggggg caagtcggca cgtattcgga cagactcaag 24360

cacacacggg ggagcgctct tgtctcaggg caatgttttt attggtcaaa ctcaggcaaa 24420

cagaaacgac atcttgtcgt caaagggata cacaaacttc ccccccctcgc cccatactcc 24480

cgccagcacc ccggtaaaca ccaactcaat ctcgcgcagg atttcgcgca ggtgatgagc 24540

gcagtccacg ggggggagca caaggggccg cgggtataga tcgacgggga cgccgaccga 24600

ctccccgcct ccgggacaga cacgcacgac gcgccgccag tagtgctctg cgtccagcaa 24660

ggcgccgccg cggaaggcag tgggggggcaa ggggtcgctg gcctcaaagg gggacacccg 24720

aacgctccag tactccgcgt ccaaccgttt attaaacgcg tccaagataa ggcggtcgca 24780

ggcgtcctcc ataaggcccc gggccgtgag tgcgtcctcc tccggcacgc ctgccgttgt 24840

caggcccagg acccgtcgca gcgtgtcgcg tacgaccccg gccgccgtgg tgtacgcggg 24900

cccgcggaga ggaaatcccc caagatggtc agtgttgtcg cgggagttcc agaaccacac 24960

tcccgcctgg ctccaggcga ctgcgtgggt gtagacgccc tcgagggcca ggcacagtgg 25020

gtgccgcagc cggaggccgt tggccctaag cacggctccc acggccgtct cgatggcccg 25080

ccgggcgtcc tcgatcaccc cggaagccgc atccgcgtct tgggggtcca cgttaaagac 25140

accccagaac gcacccccat cgcccccgca gaccgcgaac ttcaccgagc tggccgtctc 25200

ctcgatctgc aggcagacgg cggccattac cccacccagg agctgccgca gcgcagggca 25260

ggcgttgcac gtgtccggga ccaggcgctc caagacggcc ccggcccagg gctctgaggg 25320

agcggccacc accagcgcgt ccagtcttgc taggcccgtc cggccgtggg ggtccgccag 25380

cccgctcccc ccgaggtcgg ccagggccgc caggagctgg gcgcgaagtc cggggaagca 25440

aaaccgcgcc gtccagacgg gcccgacggc cgcgggcggg tctaacagtt ggatgatttt 25500

agtggcggga tgccaccgcg ccaccgcctc ccgcactgcg ggcaggaggc atccggctgc 25560

cgccgaggcc acgccgggcc aggctcgcgg ggggaggacg accctgaccc ccaccgcggg 25620

ccaggccccc aggagcgcgg cgtaagcggc cgcggccccg cgcaccaggt cccgtgccga 25680

ctcggccgtg gccggcacgg tgaacgtggg ccaacccgga aaccccagga cggcaaagta 25740

cgggacgggt ccccccggga cctcaaactc gggccccaga aaggcaaaga cgggggccag 25800

ggccccgggg gcggcgtgga ccgtggtatg ccactgccgg aaaagggcga cgagcgccgg 25860

cgcggagaac ttctcgccgg cgcttacaaa gtagtcgtaa tcgcggggca gcagcacccg 25920

tgccgtgact cgttgcgggt gcccgcgtgg ccgcaggccc acctcgcaca cctcgaccag 25980

gtccccgaac gcgccctcct tcttgatcgg cggaaacgca agagtctggt attcgcgcgc 26040

aaatagcgcg gttccggtgg tgatgttaac ggtcagcgaa gcggtggacg cgcactgggg 26100

ggtgtcgcga atggccgcca ggcgcgccca cgccagccgc gcgtcgggat gctcggcaac 26160

gcgcgccgcc agggccatag ggtcgatgtc aatgttggcc tccgcgacca ggagagcggc 26220

gcgaggggcg gcgggcgggc cccacgacgc tctctcaact ttcaccacca gtcccgtgcg 26280

tgggtccgag ccgatacgca gcggggcgaa cagggccacc ggcccggtct ggcgctccag 26340

ggccgccagg acgcacgcgt acagcgcccg ccacagagtc gggttctcca ggggctccag 26400

cggggaggcg gccggcgtcg tcgcggcgcg ggcggccgcc acgacggcct ggacggagac 26460

gtccgcggag ccgtagaaat cccgcagctc cgtcgcggtg acggagacct ccgcaaagcg 26520

cgcgcgaccc tcccctgcgg cgttgcgaca tacaaaatac accagggcgt ggaagtactc 26580

gcgagcgcgg gggggcagcc ataccgcgta aagggtaatg gcgctgacgc tctcctccac 26640

ccacacgata tctgcggtgt ccatcgcacg gcccctaagg atcacgggcg gtctgtgggt 26700

cccatgctgc cgtgcctggc cgggcccggt gggttgcgga aaccggtgac gggggggggg 26760

gcggtttttg gggttggggt gggaaacggc ccgggtccgg gggccaactt ggcccctcgg 26820

tgcgttccgg caacagcgcc gccggtccgc ggacgaccac gtaccgaacg agtgcggtcc 26880

cgagacttat agggtgctaa agttcaccgc cccctgcatc atgggccagg cctcggtggg 26940

gagctccgac agcgccgcct ccaggatgat gtcagcgttg gggttggcgc tggatgagtg 27000

cgtgcgcaaa cagcgccccc acgcgggcac gcgtagcttg aagcgcgcgc ccgcaaactc 27060

ccgcttgtgg gccataagca gggcgtacag ctgcctgtgg gtccggcagg cgctgtggtc 27120

gatgtggtgg gcgtccaaca accccacgat tgtctgtttg gtgaggtttt taacgcgccc 27180

cgccccggga aacgtctgcg tgcttttggc catctgcacg ccaaacagtt cgccccagat 27240

tatcttgaac agcgccaccg cgtggtccgt ctcactaacg gacccgcgcg ggggacagcc 27300

gcttagggcg tcggcgacgc gcttgacggc ttcctccgag agcagaagtc cgtcggttac 27360

gttacagtgg cccagttcga acaccagctg catgtagcgg tcgtagtggg gggtcagcag 27420

gtccagcacg tcatcggggc cgaaggtcct cccagatccc ccggccgccg agtcccaatg 27480

caggcgcgcg gccatggtgc tgcacaggca caacagctcc cagacagggg ttacgttcag 27540

ggtgggggggc agggccacga gctccagctc tccggtgacg ttgatcgtgg ggatgacgcc 27600

cgtggcgtag tggtcataga tccgccgaaa tatggcgctg ctgcgggtgg ccatgggaac 27660

gcggagacag gcctccagca acgccaggta aataaaccgc gtgcgtccca tcaggctgtt 27720

gaggttgcgc atgagcgcga caatttccgc cggcgcgaca tcggaccgga ggtatttttc 27780

gacgaaaaga cccacctcct ccgtctcggc ggcctgggcc ggcagcgacg cctcgggatc 27840

ccggcaccgc agctcccgta gatcgcgctg ggccctgagg gcgtcgaaat gtacgccccg 27900

caaaaacaga cagaagtcct ttggggtcag ggtatcgtcg tgtccccaga agcgcacgcg 27960

tatgcagttt agggtcagca gcatgtgaag gatgttaagg ctgtccgaga gacacgccag 28020

cgtgcatctc tcaaagtagt gtttgtaacg gaatttgttg tagatgcgcg acccccgccc 28080

cagcgacgtg tcgcatgccg acgcgtcaca gcgccccttg aaccggcgac acagcaggtt 28140

tgtgacctgg gagaactgcg cgggccactg gccgcaggaa ctgaccacgt ggttcaggag 28200

catgggcgta aagacgggct ccgagcgcgc cccggagccg tccatgtaaa tcagtagctc 28260

ccccttgcgg agggtgcgca cccgtcccag ggactggtac acggacacca tgtccggtcc 28320

gtagttcatg ggtttcacgt aggcgaacat gccatcaaag tgcaggggat cgaagctgag 28380

gcccacggtt acgaccgtcg tgtatataac cacgcggtat tggccccacg tggtcacgtc 28440

cccgaggggg gtgagcgagt gaagcaacag cacgcggtcc gtaaactgac ggcagaaccg 28500

ggccacgatc tccgcgaagg agaccgtcga cgaaaaaatg cagatgttat cgcccccgcc 28560

aaggcgcgct tccagctccc caaagaacgt ggcccccccgg gcgtccggag aggcgtccgg 28620

agacgggccg ctcggcggcc cgggcgggcg cagggcagcc tgcaggagct cggtccccag 28680

acgcgggaga aacaggcacc ggcgcgccga aaacccgggc atggcgtact cgccgaccac 28740

cacatgcacg ttttttcgc cccggagacc gcacaggaag tccaccaact gcgcgttggc 28800

ggttgcgtcc atggcgatga tccgaggaca tgtgcgcagc aggcgtagca ttaacgcatc 28860

cacgcggccc agttgctgca tcgttggcga atagagctgg cccagcgtcg acataacctc 28920

gtccagaacg aggacgtcgt agttgttcag aaggttgggg cccacgcgat gaaggctttc 28980

cacctggacg ataagtcggt ggaaggggcg gtcgttcata atgtaattgg tggatgagaa 29040

gtaggtgaca aagtcgacca ggcctgactc agcgaaccgc gtcgccaggg tctgggtaaa 29100

actccgacga caggagacga cgagcacact cgtgtccgga gagtggatcg cttcccgcag 29160

ccagcggatc agcgcggtag tttttcccga ccccattggc gcgcggacca cagtcacgca 29220

cctggccgtc ggggcgctcg cgttggggaa ggtgacgggt ccgtgctgct gccgctcgat 29280

cgttgttttc gggtgaaccc ggggcaccca ttcggccaaa tccccccccgt ataacatccg 29340

cgctagcgat acgctcgacg tgtactgttc gcactcgtcg tccccaatgg gacgcccggc 29400

ccccagagga tcccccgact ccgcgccccc cacgaaaggc atgaccgggg cgcggacggc 29460

gtggtgggtc tggtgtgtgc aggtggcgac gtttgtggtc tctgcggtct gcgtcacggg 29520

gctcctcgtc ctggcctctg tgttccgggc acggtttccc tgcttttacg ccacggcgag 29580

ctcttatgcc ggggttaact ccacggccga ggtgcgcggg ggtgtagccg tgcccctcag 29640

gttggacacg cagagccttg tgggcactta tgtaatcacg gccgtattgt tgttggccgc 29700

ggccgtgtat gccgtggtcg gcgccgtgac ctcccgctac gaccgcgccc tggacgcggg 29760

ccgccgtctg gctgcggccc gcatggccat gccgcacgcc acgctgatcg ccggaaacgt 29820

ctgctcttgg ttgctgcaga tcaccgtcct gctgctggcc catcgcatca gccagctggc 29880

ccacctggtt tacgtcctgc actttgcgtg tctggtgtat tttgcggccc atttttgcac 29940

caggggggtc ctgagcggga cgtatctgcg tcaggtgcac ggcctgatgg agctggcccc 30000

gacccatcat cgcgtcgtcg gcccggctcg cgccgtgctg acaaacgcct tgctgttggg 30060

cgtcttcctg tgcacggccg acgccgcggt atccctgaat accatcgccg cgttcaactt 30120

taatttttcg gccccgggca tgctcatctg cctgaccgtg ctgttcgcca ttctcgtcgt 30180

atcgctgttg ttggtggtcg agggggtgtt gtgtcactac gtgcgcgtgt tggtgggccc 30240

ccacctgggg gccgttgccg ccacgggcat cgtcggcctg gcctgcgagc actattacac 30300

caacggctac tacgtggtgg agacgcagtg gccgggggca cagacgggag tgcgcgtcgc 30360

cctcgccctg gtcgccgcct ttgccctcgg catggccgtg ctccgctgca cccgcgccta 30420

tctgtatcac aggcggcacc acaccaaatt ttttatgcgc atgcgcgaca cgcgacaccg 30480

cgcacattcc gccctcaagc gcgtacgcag ttccatgcgc ggatcgcgag acggccgcca 30540

caggcccgcg cccggcagcc cgcccgggat tcccgaatat gcggaagacc cctacgcgat 30600

ctcatacggc ggccagctcg accggtacgg agattccgac ggggagccga tttacgacga 30660

ggtggcggac gaccaaaccg acgtattgta cgccaagata caacacccgc ggcacctgcc 30720

cgacgacgag cccatctatg acaccgttgg ggggtacgac cccgagcccg ccgaggaccc 30780

cgtgtacagc accgtccgcc gttggtagct gtttggttcc gttttaataa accgtttgtg 30840

tttaacccga ccgtggtgta tgtctggtgt gtggcgtccg atcccgttac tatcaccgtc 30900

ccccccccctc aaccccggcg attgtgggtt ttttaaaaac gacacgcgtg cgaccgtata 30960

cagaacatta ttttggtttt tattcgctat cggacatggg gggtggaaac tgggtggcgg 31020

ggcaggcgcc tccgggggtc cgccggtgag tgtggcgcga gggggggtcc gacgaacgca 31080

ggcgcggtct ccccggggcc cgcgtaacca cgcgcatatc cgggggcacg tagaaattac 31140

cttcctcttc ggactcgata tccacgacgt caaagtcgtg ggcggtcagc gagacgacct 31200

ccccgtcgtc ggtgatgagg acgttgtttc ggcagcagca gggccgggcc ccggagaacg 31260

agaggcccat agctcggcga gcgtgtcgtc gaacgccagg cggctgcttc gctggatggc 31320

cttatagatc tccggatcga tgcggacggg ggtaatgatc agggcgatcg gaacggcctg 31380

gttcgggaga atggacgcct tgctgggtcc tgcggccccg agagccccgg cgccgtcctc 31440

caggcggaac gttacgccct cctccgcgct ggtgcggtgc ctgccgataa acgtcaccag 31500

atgcgggtgg ggggggcagt cggggaagtg gctgtcgagc acgtagccct gcaccaagat 31560

ctgcttaaag ttcgggtggc gggggttcgc gaagacgggc tcgcggcgga ccagatcccc 31620

ggagctccag gacacggggg agatggtgtg gcgtccgagg tcgggggcgc caaacagaag 31680

cacctccgag acaacgccgc tatttaactc caccaaggcc cgatccgcgg cggagcaccg 31740

ccttttttcg cccgaggcgt gggcctctga ccaggcctgg tcttgcgtga cgagagcctc 31800

ctccgggccg gggacgcgcc cgggcgcgaa gtatcgcacg ctgggcttcg ggatcgaccg 31860

gataaatgcc cggaacgcct ccggggaccg gtgtgccatc aagtcctcgt acgcggaggc 31920

cgtggggtcg ctggggtcca tggggtcgaa agcgtacttg gcccggcatt tgacctcgta 31980

aaaggccagg ggggtcttgg ggactggggc caggtagccg tgaatgtccc gaggacagac 32040

gagaatatcc agggacgccc cgaccatccc cgtgtgaccg tccatgagga ccccacacgt 32100

atgcacgttc tcttcggcga ggtcgctggg ttcgtggaag ataaagcgcc gcgtgtcggc 32160

gccggcctcg ccgccgtcgt ccgcgcggcc cacgcagtag cgaaacagca ggcttcgggc 32220

cgtcggctcg ttcacccgcc cgaacatcac cgccgaagac tgtacatccg gtcgcaggct 32280

ggcgttgtgc ttcagccact ggggcgagaa acacggaccc tgggggcccc agcggagggt 32340

ggatgcggtc gtgaggcccc gccggagcag ggcccatagc tggcagtcgg cctggttttg 32400

cgtggccgcc tcgtaaaacc ccatgagggg ccggggcgcc acggcgtccg cggcggccgg 32460

gggggcgcgg cgcgtcaggc gccataggtg ccggccgagt ccgcggtcca ccatacccgc 32520

ctcctcgagg accacggcca gggaacacag ataatccagg cgggcccaga ggggaccgat 32580

ggccagaggg gcgcggacgc cgcgcagcaa cccgcgcagg tggcgctcga acgtctcggc 32640

tagtatatgg gagggcagcg cgttggggat caccgacgcc gaccacatag agtcaaggtc 32700

cggggagtcg ggatcggcgt ccgggtcgcg ggcgtgggtg cccccaggag atagcggaat 32760

gtccggggtc ggaggcccgg aggcgtcaga aagtgccggc gacgcggccc ggggcttttc 32820

gtctgcggtg tcggtggcgt gctgatcacg tgggggggtta tcgggcgaat gggagctcgg 32880

gtccacagct gacgtcgtct ggggtggggg gggcagggga cggaaggtgg ttgtcagcgg 32940

aagactgtta gggcgggggc gcttgggggg gctgtcgggg ccacgagggg tgtcctcggc 33000

cagggcccag ggacgcttag tcacggtgcg tcccggcgga catgctgggc ctaccgtgga 33060

ctccatttcc gagacgacgt gggggggagcg gtggttgagc gcgccgccgg gtgaacgctg 33120

attctcacga cagcgcgtgc cgcgcgcacg ggttggtgtg acacaggcgg gacaccagca 33180

ccaggagagg cttaagctcg ggaggcagcg ccaccgacga cagtatcgcc ttgtgtgtgt 33240

gctggtaatt tatacaccga tccgtaaacg cgcgccgaat cttgggattg cggaggtggc 33300

gccggatgcc ctctgggacg tcatacgcca ggccgtgggt gttggtctcg gccgagttga 33360

caaacagggc tgggtgcagc acgcagcgat aggcgagcag ggccagggcg aagtccggcg 33420

acagctggtt gttgaaatac tggtaaccgg gaaaccgggt cacgggtacg cccaggctcg 33480

gggcgacgta cacgctaacc accaactcca gcagcgtctg gcccagggcg tacaggtcaa 33540

ccgctagccc gacgtcgtgc ttcaggcggt ggttggtaaa ttcggcccgt tcgttgttaa 33600

ggtatttcac caacagctcc gggggctggt tatacccgtg acccaccagg gtgtgaaagt 33660

tggctgtggt tagggcggtg ggcatgccaa acatccgggg ggacttgagg tccggctcct 33720

ggaggcaaaa ctgccccccgg gcgatcgtgg agttggagtt gagggtgacg aggctaaagt 33780

cggcgaggac ggcccgccgg agcgagacgg cgtccgaccg cagcatgacg aggatgttgg 33840

cgcacttgat atccaggtgg ctgatcccgc aggtggtgtt taaaaacaca acggcacggg 33900

ccagctccgt gaagcactgg tggagggccg tcgagaccga ggggtttgtt gtgcgcaggg 33960

acgccagttg gccgatatac ttaccgaggt ccatgtcgta cgcggggaac actatctgtc 34020

gttgttgcag cgagaacccg aggggcgcga tgaagccgcg gatgttgtgg gtgcggccgg 34080

cgcgtagagc gcactccccg accaacaggg tcgcgatgag ctcaacggca aaccactcct 34140

tttccttttat ggtcttaacg gcaagcttat gttcgcgaat cagttggact tcgccgtatc 34200

ccccagaccc cccgaagctt cgggccccgg ggatctcgag ggtcgtgtag tgtagggcgg 34260

ggttgatggc gaacacgggg ctgcatagct tgcggatgcg cgtgagggtg aggatgtgcg 34320

agggggacga ggggggtgcg gttaacgccg cctgggatct gcgcaggggc gggcggttca 34380

gtttggccgc cgtaccgggc gcctcggggg acgcgcggcg atgagacgag cggctcattc 34440

gccatcggga tagtcccgcg cgaagccgct cgcggaggcc ggatcggtgg cggcacccgt 34500

gggaggagcg ggagacggcg gcgttctgga gagaggggcc gctggggcgc ccggaggccc 34560

catgggggtt ggagtgtatg taggatgcga gccaatcctt gaaggaccgt tggcgtgcac 34620

cttgggggct gaggttagct gccacatgac cagcaggtcg ctgtctgcgg gactcatcca 34680

tccttcggcc aggtcgccgt ctccccacag agaagcgttg gtcgctgcct cctcgagttg 34740

ctcctcctgg tccgcaagac gatcgtccac ggcgtccagg cgctcaccaa gcgccggatc 34800

gaggtaccgt cggtgtgcgg ttagaaagtc acgacgcgcc gcttgctcct ccacgcgaat 34860

tttaacacag gtcgcgcgct gtcgcatcat ctctaagcgc gcgcgggact ttagccgcgc 34920

ctccaattcc aagtgggccg cctttgcagc cataaaggcg ccaacaaacc gaggatcttg 34980

ggtgctgacg ccctcccggt gcagctgcag ggtctggtcc ttgtaaatct cggctcggag 35040

gtgcgtctcg gccaggcgtc ggcgcagggc cgcgtgggcg gcatctcggt ccattccgcc 35100

accctgcggg cgacccgggg gtgctctgat agtctcgcgt gcccaaggcc cgtgatcggg 35160

gtacttcgcc gccgcgaccc gccacccggt gtgcgcgatg tttggtcagc agctggcgtc 35220

cgacgtccag cagtacctgg agcgcctcga gaaacagagg caacttaagg tgggcgcgga 35280

cgaggcgtcg gcgggcctca caatgggcgg cgatgcccta cgagtgccct ttttagattt 35340

cgcgaccgcg acccccaagc gccaccagac cgtggtcccg ggcgtcggga cgctccacga 35400

ctgctgcgag cactcgccgc tcttctcggc cgtggcgcgg cggctgctgt ttaatagcct 35460

ggtgccggcg caactaaagg ggcgtgattt cgggggcgac cacacggcca agctggaatt 35520

cctggccccc gagttggtac gggcggtggc gcgactgcgg tttaaggagt gcgcgccggc 35580

ggacgtggtg cctcagcgta acgcctacta tagcgttctg aacacgtttc aggccctcca 35640

ccgctccgaa gcctttcgcc agctggtgca ctttgtgcgg gactttgccc agctgcttaa 35700

aacctccttc cgggcctcca gcctcacgga gaccacgggc ccccccaaaa aacgggccaa 35760

ggtggacgtg gccacccacg gccggacgta cggcacgctg gagctgttcc aaaaaatgat 35820

ccttatgcac gccacctact ttctggccgc cgtgctcctc ggggaccacg cggagcaggt 35880

caacacgttc ctgcgtctcg tgtttgagat ccccctgttt agcgacgcgg ccgtgcgcca 35940

cttccgccag cgcgccaccg tgtttctcgt cccccggcgc cacggcaaga cctggtttct 36000

ggtgcccctc atcgcgctgt cgctggcctc ctttcggggg atcaagatcg gctacacggc 36060

gcacatccgc aaggcgaccg agccggtgtt tgaggagatc gacgcctgcc tgcggggctg 36120

gttcggttcg gcccgagtgg accacgttaa aggggaaacc atctccttct cgtttccgga 36180

cgggtcgcgc agtaccatcg tgtttgcctc cagccacaac acaaacgtaa gtcctctttt 36240

ctttcgcatg gctctcccaa ggggccccgg gtcgacccga cccacaccca cccacccaca 36300

tacacacaca accagacgcg ggaggaaagt ctgccccgtg ggcactgatt tttattcggg 36360

atcgcttgag gaggcccggg caacggcccg ggcaacggtg gggcaactcg tagcaaatag 36420

gcgactgatg tacgaagaga agacacacag gcgccacccg gcgctggtcg gggggatgtt 36480

gtccgcgccg caccgtcccc cgacgacctc ttgcagacgg tccgtgatgc aaggacggcg 36540

gggggcctgc agcagggtga ccgtatccac gggatggcca aagagaagcg gacacaggct 36600

agcatccccc tggaccgcca gggtacactg ggccatcttg gcccacagac acggggcgac 36660

gcagggacag gactccgtta cgacggagga gagccacagt gcgttggcgg aatcgatgtg 36720

gggcggcggg gcgcaggact cgcagccccc cgggtggtta gtgatcctgg ccaggagcca 36780

tcccagatgg cgggccctgc ttcccggtgg acagagcgac cccaggtcgc tgtccatggc 36840

ccagcagtag atctggccgc tggggaggtg ccaccaggcc cccgggccca aggcgcagca 36900

cgcgcccggc tccgggggggg tcttcgcggg gaccagatac gcgccatcca gctcgccgac 36960

cactggctcc tccgcgagct gttcggtggt tgggtcgggg gtttcctccg ggggggtggc 37020

cgcccgtatg cgggcgaacg tgagggtgca caggagcggg gtcaggggggt gcgtcacgct 37080

ccggaggtgg acgatcgcgc agtagcggcg ctcgcggtta aagaaaaaga gggcaaagaa 37140

ggtgttcggg ggcaaccgca gcgccttggg gcgcgtcaga tacagaaaaa tctcgcagaa 37200

gagggcgcgc ccggggtctg ggttaggaag ggccacctga cacagaggct cggtgaggac 37260

cgttagacac cgaaagatct tgagccgctc gtccgcccga acgacgcgcc acacaaagac 37320

ggagttgaca atgcgcgcga tagagtcgac gtccgtcccc aggtcgtcga ctctgtcgcg 37380

cgtgccgcga gctccggccc gggaatccgg ccggggcaag gtccccgggg gaccaggcgg 37440

cgccaggggc cgccggggtc ccagctgcgc catgccgggg gcgggggggag ggcaaacccc 37500

agaggcgggg gccaacggcg cggggaggag tggatgggcg aggtggccgg gggaaggcgc 37560

ccgctagcga gaacggccgt tcccggacga caccttgcga caaaacctaa ggacagcggc 37620

ccgcgcgacg gggtccgaga ggctaaggta ggccgcgatg ttaatggtga acgcaaagcc 37680

gccgggaaag acaactatgc cacagaggcg gcgattaaac cccaggcaga ggtaggcgta 37740

gctttccccg ggcaggtatt gctcgcagac cctgcgtggg gctgtggagg ggacggcctc 37800

catgaagcga catttactct gctcgcgttt actgacgtca ccatccatcg ccacggcgat 37860

tggacgattg ttaagccgca gcgtgtctcc gcttgtgctg tagtagtcaa aaacgtaatg 37920

gccgtcggag tcggcaaagc gggccgggag gtcgtcgccg agcgggacga cccgccgccc 37980

ccgaccgccc cgtcccccca ggtgtgccag gacggccagg gcatacgcgg tgtgaaaaaa 38040

ggcgtcgggg gcggtcccct cgacggcgcg catcaggttc tcgaggagaa tggggaagcg 38100

cctggtcacc tcccccagcc acgcgcgttg gtcggggcca aagtcatagc gcaggcgctg 38160

tgagattcgc gggccgccct gaagcgcggc ccggatggcc tggcccaggg cccggaggca 38220

cgccagatgt atgcgcgcgg taaaggcgac ctcggcggcg atgtcaaagg gcggcaggac 38280

ggggcgcggg tggcgcaggg gcacctcgag cgcgggaaag cggagcagca gctccgcctg 38340

cccagcggga gacagctggt gggggcgcac gacgcgttct gcggcgcagg cctcggtcag 38400

ggccgtggcc agcgccgagg acagcagcgg agggcgggcg cgtcgcccgc cccacgccac 38460

tgagttctcg taggagacga cgacgaagcg ctgcttggtt ccgtagtggt ggcgcaggac 38520

cacggagata gaacgacggc tccacagcca gtccggccgg tcgccgccgg ccagggcttc 38580

ccatccgcga tccaaccact cgaccagcga ccgcggcttt gtggtaccag gggtaagggt 38640

tagaacgtcg ttcaggatgt cctcgccccc gggcccgtgg ggcgctgggg ccacaaagcg 38700

gcccccgccg gggggctcca gacccgccag caccgcatct gcgtcagccg cccccatggc 38760

gcccccgctg acggcctggt gaaccagggc gccctggcgg agccccgatg caacgccaca 38820

ggccgcacgc ccggtccgag cgcggaccgg gtggcggcgg gtgacgtcct gcactgcccg 38880

ctgaaccaac gcgaggatct cctcgttctc ctgtgcgatg gacacgtcct gggccgcggt 38940

cgtgtcgccg ccgggggccg tcagctgctc ctccggggag atgggggggt cggacgcccc 39000

gacgatgggc gggtctgcgg gcgcccccgc gtggggccgg gccaagggct gcggacgcgg 39060

ggacgcgctt tcccccagac ccatggacag gtgggccgcg gcctccttcg cggccggcgg 39120

ggcggcggcg ccaagcagag cgacgtagcg gcacaaatgc cgacagacgc gcatgatgcg 39180

cgtgctgtcg gccgcgtagc gcgtgttggg ggggacgagc tcgtcgtaac taaacagaat 39240

cacgcgggca cagctcgccc ccgagcccca cgcgaggcgc agcgccgcca cggcgtacgg 39300

gtcatagacg ccctgcgcgt cacacaccac gggcagggag acgaacaacc ccccggcgct 39360

ggacgcacgc ggaaggaggc cagggtgtgc cggcacgacg ggggccagaa gctcccccac 39420

cgcatccgcg ggcacgtagg cggcaaacgc cgtgcaccac ggggtacagt cgccggtggc 39480

atgagcccga gtctggattt cgacctggaa gtttgcggcc gtcccgagtc cggggcggcc 39540

gcgcatcagg gcggccagag ggattcccgc ggccgccagg cactcgctgg atatgatgac 39600

gtgaaccaaa gacgagggcc gacccgggcc gtggccgaga tcgtactgga cctcgttggc 39660

caagtgcgcg ttcatggttc ggggtgggtg tgggtgtgta ggcgatgcgg gtcccccgag 39720

tccgcgggaa gggcgtgggt ttggcgcgcg tatgcgtatt cgccaacgga ggcgtgcgtg 39780

cttatgcgcg gcgcgtttct tctgtctcca gggaatccga ggccaggact ttaacctgct 39840

ctttgtcgac gaggccaact ttattcgccc ggatgcggtc cagacgatta tgggctttct 39900

caaccaggcc aactgcaaga ttatcttcgt gtcgtccacc aacaccggga aggccagtac 39960

gagctttttg tacaacctcc gcggggccgc cgacgagctt ctcaacgtgg tgacctatat 40020

atgcgatgat cacatgccga gggtggtgac gcacacaaac gccacggcct gttcttgtta 40080

tatcctcaac aagcccgttt tcatcacgat ggacggggcg gttcgccgga ccgccgattt 40140

gtttctggcc gattccttca tgcaggagat catcgggggc caggccaggg agaccggcga 40200

cgaccggccc gttctgacca agtctgcggg ggagcggttt ctgttgtacc gcccctcgac 40260

caccaccaac agcggcctca tggcccccga tttgtacgtg tacgtggatc ccgcgttcac 40320

ggccaacacc cgagcctccg ggaccggcgt cgctgtcgtc gggcggtacc gcgacgatta 40380

tatcatcttt gccctggagc actttttttct ccgcgcgctc acgggctcgg cccccgccga 40440

catcgcccgc tgcgtcgtcc acagtctgac gcaggtcctg gccttgcatc ccggggcgtt 40500

tcgcggcgtc cgggtggcgg tcgagggaaa tagcagccag gactcggccg tcgccatcgc 40560

cacgcacgtg cacacagaga tgcaccgcct actggcctcg gagggggccg acgcgggctc 40620

gggccccgag cttctcttct accactgcga gcctcccggg agcgcggtgc tgtacccctt 40680

tttcctgctc aacaaacaga agacgcccgc ctttgaacac tttattaaaa agtttaactc 40740

cgggggcgtc atggcctccc aggagatcgt ttccgcgacg gtgcgcctgc agaccgaccc 40800

ggtcgagtat ctgctcgagc agctgaataa cctcaccgaa accgtctccc ccaacactga 40860

cgtccgtacg tattccggaa aacggaacgg cgcctcggat gaccttatgg tcgccgtcat 40920

tatggccatc taccttgcgg cccaggccgg acctccgcac acattcgctc ccatcacacg 40980

cgtttcgtga gcgcccaata aacacaccca ggtatgctac gcacgaccac ggtgtcgcct 41040

gttaaggggg gggaaggggg tgttggcggg aagcgtggga acacgggggа ttctctcacg 41100

accggcacca gtaccacccc cctgtgaaca cagaaaccca acccaaatcc cataaacata 41160

cgacacacag gcatattttg gaatttcttg ggtttttatt tatttaggta tgctggggtt 41220

tctccctgga tgcccacccc ccacccccccc ccgtgggtct agccgggcct tagggatagc 41280

gtataacggg ggccatgtct ccggaccgca caacggccgc gccgtcaaag gtgcacaccc 41340

gaaccacggg agccagggcc aaggtgtctc ctagttggcc cgcgtgggtc agccaggcga 41400

cgagcgcctc gtaaagcggc agccttcgct ctccatcctg caccagggcc ggggcttcgg 41460

ggtgaatgag ctgggcggcc tcccgcgtga cactctgcat ctgcaggaga gcgttcacgt 41520

acccgtcctg ggcacttagc gcaaagagcc gggggattag cgtaaggatg atggtggttc 41580

cctccgtgat cgagtaaacc atgttaagga ccagcgatcg cagctcggcg tttacgggac 41640

cgagttgttg gacgtccgcc agcagcgaga ggcgactccc gttgtagtac agcacgttga 41700

ggtctggcag ccctccgggg tttctggggc tggggttcag gtcccggatg cccctggcca 41760

cgagccgcgc cacgatttcg cgcgccaggg gcgatggaag cggaacggga aaccgcaacg 41820

tgaggtccag cgaatccagg cgcacgtccg tcgcttggcc ctcgaacacg ggcgggacga 41880

ggctgatggg gtccccgtta cagagatcta cgggggaggt gttgcgaagg ttaacggtgc 41940

cggcgtgggt gaggcccacg tccaggggac aggcgacgat tcgcgtggga agcacccggg 42000

tgatgaccgc ggggaagcgc cttcggtacg ccagcaacaa ccccaacgtg tcgggactga 42060

cgcctccgga gacgaaggat tcgtgcgcca cgtcggccag cgtcagttgc cggcggatgg 42120

tcggcaggaa taccacccgc ccttcgcagc gctgcagcgc cgccgcatcg gggcgcgaga 42180

tgcccgaggg tatcgcgatg tcagtttcaa agccgtccgc cagcatggcg ccgatccacg 42240

cggcagggag tgcagtggtg gttcgggtgg cgggaggagc gcggtggggg tcagcggcgt 42300

agcagagacg ggcgaccaac ctcgcatagg acgggggggtg ggtcttaggg ggttgggagg 42360

cgacagggac cccagagcat gcgcggggag gtctgtcggg cccagacgca ccgagagcga 42420

atccgtccac ggagtcccgg tctgggtttt atggggcccg gccctcggaa tcgcggcttg 42480

tcggcgggga caaaggggggc ggggctaggg ggcttgcgga aacagaagac gcgtgggata 42540

aaagaatcgc actaccccaa ggaagggcgg ggcggtttat tacagagcca gtcccttgag 42600

cggggatgcg tcatagacga gatactgcgc gaagtgggtc tcccgcgcgt gggcttcccc 42660

gttgcgggcg ctgcggagga gggcggggtc gctggcgcag gtgagcgggt aggcctcctg 42720

aaacaggcca cacgggtcct ccacgagttc gcggcacccc ggggggcgct taaactgtac 42780

gtcgctggcg gcggtggccg tggacaccgc cgaacccgtc tccacgatca ggcgctccag 42840

gcagcgatgt ttggcggcga tgtcggccga cgtaaagaac ttaaagcagg ggctgagcac 42900

cggcgaggcc ccgttgaggt ggtaggcccc gttatagagc aggtccccgt acgaaaatcg 42960

ctgcgacgcc cacgggttgg ccgtggccgc aaaggcccgg gacgggtcgc tctggccgtg 43020

gtcgtacatg agggcggtga catccccctc cttgtccccc gcgtaaacgc ccccggcggc 43080

gcgtccccgg gggttgcagg gccggcggaa gtagttgacg tcggtcgaca cgggggtggc 43140

gataaactca cacacggcgt cctggccgtg gtccatccct gcgcgccgcg gcacctgggc 43200

gcacccgaac acggggacgg gctgggccgg ccccaggcgg tttcccgcca cgaccgcgtt 43260

ccgcaggtac acggctgccg cgttgtccag gagaggggga gccccgcggc ccaggtaaaa 43320

gttttgggga aggttgccca tgtcggtgac ggggttgcgg acggttgccg tggccacgac 43380

ggcggtgtag cccacgccca ggtccacgtt cccgcgcggc tgggtgagcg tgaagtttac 43440

ccccccgcca gtttcgtgcc gggccacctg gagctggccc aggaagtacg cctccgacgc 43500

gcgctccgag aacagcatgt tctcagtcac aaagcggtcc tgtcggacga cggtgaaccc 43560

aaacccggga tggaggcccg tcttgagctg atgatgcaag gccacgggac tgatcttgaa 43620

gtaccccgcc atgagcgcgt aggtcagcgc gttctccccg gccgcgctct cgcggacgtg 43680

ctgcacgacg ggctgtcgga tcgacgaaaa gtagttggcc cccagagccg gggggaccag 43740

ggggacctgc cgcgacaggt cgcgcagggc cgggggggaaa ttgggcgcgt tcgccacgtg 43800

gtcggccccg gcgaacagcg cgttgacggg aaggggggtaa aaatagtcgc cattttggat 43860

ggtatggtcc agatgctggg gggccatcag caggattccg gcgtgcaacg ccccgtcgaa 43920

tatgcgcatg ttggtggtgg acgcggtgtt ggcgcccgcg tcgggcgccg ccgagcagag 43980

cagcgccgtt gtgcgttcgg ccatgttgtg ggccagcacc tgcagcgtga gcatggcggg 44040

cccgtccact accacgcgcc cgttgtgaaa catggcgttg accgtgttgg ccaccagatt 44100

ggccgggtgc agggggtgcg cggggtccgt cacggggtcg ctggggcact cctcgccggg 44160

ggcgatctcc gggaccacca tgttctgcag ggtggcgtat acgcggtcga agcgaacccc 44220

cgcggtgcag cagcggcccc gcgagaaggc gggcaccatc acgtagtagt aaatcttgtg 44280

gtgcacggtc cagtccgccc cccggtgcgg ccggtcatcc gcggcgtccg cggctcgggc 44340

ctgggtgttg tgcagcagct ggccgtcgtt gcggttgaag tccgcggtcg ccacgttaca 44400

tgccgccgcg tacacggggt cgtggccccc cgcgctaacc cggcagtcgc gatggcggtc 44460

cagggccgcg cgccgcatca gggcgtcaca gtcccacacg aggggtggca gcagcgccgg 44520

gtctcgcatt aggtgattca gctcggcttg cgcctgcccg cccagctccg ggccggtcag 44580

ggtaaagtca tcaaccagct gggccagggc ctcgacgtgc gccaccaggt cccggtacac 44640

ggccatgcac tcctcgggaa ggtctccccc gaggtaggtc acgacgtacg agaccagcga 44700

gtagtcgttc acgaacgccg cgcaccgcgt gttgttccag tagctggtga tgcactggac 44760

aacgagccgg gccagggcgc agaagacgtg ctcgctgccg tgtatggcgg cctgcagcag 44820

gtaaaacacc gccgggtagt tgcggtcgtc gaacgccccg cgaacggcgg cgatggtggc 44880

gggggccatg gcgtggcgtc ccacccccag ctccaggccc cgggcgtccc ggaacgccgc 44940

cggacatagc gccaggggca agttgccgtt caccacgcgc caggtggcct ggatctcccc 45000

cgggccggcc gggggaacgt ccccccccgg cagctccacg tcggccaccc ccacgaagaa 45060

gtcgaacgcg gggtgcagct caagagccag gttggcgttg tcgggctgca taaactgctc 45120

cggggtcatc tggccttccg cgacccatcg gacccgcccg tgggccaggc gctgccccca 45180

ggcgttcaaa aacagctgct gcatgtctgc ggcggggccg gccggggccg ccacgtacgc 45240

cccgtacgga ttggcggctt cgacggggtc gcggttaagg cccccgaccg ccgcgtcaac 45300

gttcatcagc gaagggtggc acacggtccc gatcgcgtgt tccagagaca ggcgcagcac 45360

ctggcggtcc ttcccccaaa aaaacagctg gcggggcggg aaggcgcggg gatccgggtg 45420

gccgggggcg gggactaggt ccccggcgtg cgcggcaaac cgttccatga ccggattgaa 45480

caggcccagg ggcaggacga acgtcaggtc catggcgccc accagggggt agggaacgtt 45540

ggtggcggcg tagatgcgct tctccagggc ctccagaaag accagcttct cgccgatgga 45600

caccagatcc gcgcgcacgc gcgtcgtctg gggggcgctc tcgagctcgt ccagcgtctg 45660

ccggttcagg tcgagctgct cctcctgcat ctccagcagg tggcggccca cgtcgtccag 45720

acttcgcacg gccttgccca tcacgagcgc cgtgaccagg ttggccccgt tcaggaccat 45780

ctcgccgtac gtcaccggca cgtcggcttc ggtgtcctcc actttcagga aggactgcag 45840

gaggcgctgt ttgatcgggg ctgtggtgac tagcaccccg tcgaccggcc gcccgcgcgt 45900

gtcggcatgc gtcagacggg gcacggccac ggagggctgc gtggccgtgg tgaggtccac 45960

gagccaggcc tcgacggcct cccggcggtg gcccgccttg cccaggaaaa agctcgtctc 46020

gcagaagctt cgctttagct cggcgaccag ggtcgcccgg gccaccctgg tggccaggcg 46080

gccgttgtcc aggtatcgtt gcatcggcaa caacaaagcc aggggcggcg ccttttccag 46140

cagcacgtgc agcatctggt cggccgtgcc gcgctcaaac gccccgagga cggcctggac 46200

gttgcgagcg agctgttgga tggcgcgcaa ctggcgatgc gcgctgatac ccgtcccgtc 46260

cagggcctcc cccgtgagca gggcgatggc ctcggtggcc aggctgaagg cggcgttcag 46320

ggcccggcgg tcgataatct tggtcatgta attgtgtgtg ggttgctcga tggggtgcgg 46380

gccgtcgcgg gcaatcagcg gctggtggac ctcgaactgt acgcgcccct cgttcatgta 46440

ggccagctcc ggaaacttgg tacacacgca cgccaccgac aacccgagct ccagaaagcg 46500

cacgagcgac agggtgttgc aatacgaccc cagcagggcg tcgaactcga cgtcgtacag 46560

gctgtttgca tcggagcgca cgcgggaaaa aaaatcgaac aggcgtcgat gcgacgccac 46620

ctcgatcgtg ctaaggaggg acccggtcgg caccatggcc gcggcatacc ggtatcccgg 46680

agggtcgcgg ttgggagcgg ccatggggtc gcgtggagat cggctgtctc tagcgatatt 46740

ggcccgggga ggctaagatc caccccaacg cccggccacc cgtgtacgtg cccgacggcc 46800

caaggtccac cgaaagacac gacggacccg gacccaaaga ggcgggggat gctgtgtgag 46860

aggccgggtg tcggtcgggg gggaaaggca ccgggagaag gctgcggcct cgttccagga 46920

gaacccagtg tccccaacag acccggggac gtgggatccc cggccttata tacccccccc 46980

cgccccaccc ccgttagaac gcgacgggtg cattcaagat ggccctggtc caaaagcgtg 47040

ccaggaagaa attggcagag gcggcaaagc tgtccgccgc cgccacccac atcgaggccc 47100

cggccgcaca ggctatcccc agggcccgtg tgcgcagggg atcggtgggt ggcagcattt 47160

ggttggtggc gataaagtgg aaaagcccgt ccggactgaa ggtctcgtgg gcggcggcga 47220

acaaggcaca cagggccgtg cctcccaaaa acacggacat cccccaaaac acgggcgccg 47280

acaacggcag acgatccctc ttgatgttaa cgtacaggag gagcgcccgc accgcccacg 47340

taacgtagta gccgacgatg gcggccagga tacaggccgg cgccaccacc cttccggtca 47400

gcccgtaata catgcccgct gccaccatct ccaacggctt caggaccaaa aacgaccaaa 47460

ggaacagaat cacgcgcttt gaaaagaccg gctgggtatg gggcggaaga cgcgagtatg 47520

ccgaactgac aaaaaaatca gaggtgccgt acgaggacaa tgaaaactgt tcctccagcg 47580

gcagttctcc ctcctccccc ccgaaggcgg cctcgtcgac cagatctcga tccaccagag 47640

gaaggtcatc ccgcatggtc atggggtgtg cggtggaggt ggggagaccg aaaccgcaaa 47700

gggtcgctta cgtcagcagg atcccgagat caaagacacc cgggttcttg cacaaacacc 47760

acccgggttg catccgcgga ggcgagtgtt ttgataaggc cgttccgcgc cttgatataa 47820

cctttgatgt tgaccacaaa acccggaatt tacgcctacg ccccaatgcc cacgcaagat 47880

gaggtaggta acccccccgt gggtgtgacg ttgcgtttag ttcattggag gccaagggga 47940

aaaatggggt ggggaggaaa cggaaaaccc agtaggccgt gtcgggaaca cgcccggggt 48000

tgtcctcaaa aggcagggtc catactacgg aagccgtcgt tgtattcgag acctgcctgt 48060

gcgacgcacg tcggggttgc ctgtgtccgg ttcggccccc accgcgtgcg gcacgcacga 48120

ggacgagtcc gcgtgcttta ttggcgttcc aagcgttgcc ctccagtttc tgttgtcggt 48180

gttcccccat acccacgccc acatccaccg taggggggcct ctgggccgtg ttacgtcgcc 48240

gcccgcgatg gagcttagct acgccaccac catgcactac cgggacgttg tgttttacgt 48300

cacaacggac cgaaaccggg cctactttgt gtgcgggggg tgtgtttatt ccgtggggcg 48360

gccgtgtgcc tcgcagcccg gggagattgc caagtttggt ctggtcgttc gagggacagg 48420

cccagacgac cgcgtggtcg ccaactatgt acgaagcgaa ctccgacaac gcggcctgca 48480

ggacgtgcgt cccattgggg aggacgaggt gtttctggac agcgtgtgtc ttctaaaccc 48540

gaacgtgagc tccgagctgg atgtgattaa cacgaacgac gtggaagtgc tggacgaatg 48600

tctggccgag tactgcacct cgctgcgaac cagcccgggt gtgctaatat ccgggctgcg 48660

cgtgcgggcg caagacagaa tcatcgagtt gtttgaacac ccaacgatag tcaacgtttc 48720

ctcgcacttt gtgtataccc cgtccccata cgtgttcgcc ctggcccagg cgcacctccc 48780

ccggctcccg agctcgctgg aggccctggt gagcggcctg tttgacggca tccccgcccc 48840

acgccagcca cttgacgccc acaacccgcg cacggatgtg gttatcacgg gccgccgcgc 48900

cccacgaccc atcgccgggt cgggggcggg gtcgggggggc gcgggcgcca agcgggccac 48960

cgtcagcgag ttcgtgcaag tcaaacacat tgaccgcgtg ggccccgctg gcgtttcgcc 49020

ggcgcctccg ccaaacaaca ccgactcgag ttccctggtg cccggggccc aggattccgc 49080

cccgcccggc cccacgctaa gggagctgtg gtgggtgttt tatgccgcag accgggcgct 49140

ggaggagccc cgcgccgact ctggcctcac ccgcgaggag gtacgtgccg tacgtgggtt 49200

ccgggagcag gcgtggaaac tgtttggctc cgcgggggcc ccgcgggcgt ttatcggggc 49260

cgcgttgggc ctgagccccc tccaaaagct ggccgtttac tactatatca tccaccgaga 49320

gaggcgcctg tccccttcc ccgcgctagt ccggctcgta ggccggtaca cacagcgcca 49380

cggcctgtac gtccctcggc ccgacgaccc agtcttggcc gatgccatca acgggctggt 49440

tcgcgacgcg ctggcggccg gaaccacagc cgagcagctc ctcatgttcg accttctccc 49500

cccaaaggac gtgccggtgg gaagcgacgt gcaggccgac agcaccgctc tgctgcgctt 49560

tatagaatcg caacgtctcg ccgtccccgg gggggtgatc tcccccgagc acgtcgcgta 49620

ccttggtgcg ttcctgagcg tgctgtacgc tggccgcggg cgcatgtccg cagcaacgca 49680

caccgcgcgg ctgacagggg tgacctccct ggtgctagcg gtgggtgacg tggaccgtct 49740

ttccgcgttt gaccgcggag cggcgggcgc ggccagccgc acgcgggccg ccgggtacct 49800

ggatgtgctt cttaccgttc gtctcgctcg ctccaaacac ggacagtctg tgtaacagac 49860

cccaataaac gtatgtcgct accacaccct tgtgtgtcaa tggacgcctc tccgggggggg 49920

aagggaaaac aaagaggggc tgggggagcg gcaccactgg ggcctgaaca aacaaacaaa 49980

ccacagacac ggttacagtt tattcggtcg ggcggataaa cggccgaagc cacgcccccc 50040

ttattcgcgt ctccaaaaaa acgggacact tgtccggaga acctttagga tgccagccag 50100

ggcggcggta atcataacca cgcccagcgc agaggcggcc agaaacccgg gcgcaattgc 50160

ggccacgggc tgcgtgtcaa aggctagcaa atgaatgacg gttccgtttg gaaatagcaa 50220

caaggccgtg gacggcacgt cgctcgaaaa cacgctcggg gcgccctccg tcggcccggc 50280

ggcgatttgc tgctgtgtgt tgtccgtatc caccagcaac acagacatga cctccccggc 50340

tggggtgtag cgcataaaca cggcccccac gagccccagg tcgcgctggt tttgggtgcg 50400

caccagccgc ttggactcga tatcccgggt ggagccttcg catgtcgcgg tgaggtaggt 50460

taggaacagt gggcgtcgga cgtcgacgcc ggtgagcttg tagccgatcc cccggggcag 50520

aggggagtgg gtgacgacgt agctggcgtt gtgggtgatg ggtaccagga tccgtggctc 50580

gacgttggca gactgccccc cgcaccgatg tgaggcctca gggacgaagg cgcggatcag 50640

ggcgttgtag tgtgcccagc gcgtcagggt cgaggcgagg ccgtgggtct gctgggccag 50700

gacttcgacc ggggtctcgg atcgggtggc ttgagccagc gcgtccagga taaacacgct 50760

ctcgtctaga tcaaagcgca gggaggccgc gcatggcgaa aagtggtccg gaagccaaaa 50820

gagggttttc tggtggtcgg cccgggccag cgcggtccgg aggtcggcgt tggtcgctgc 50880

ggcgacgtcg gacgtacaca gggccgatgc tatcagaagg ctccggcggg cgcgttcccg 50940

ctgcaccgcc gaggggacgc ccgccaagaa cggctgccgg aggacagccg aggcgtaaaa 51000

tagcgcccgg tggacgaccg gggtggtcag cacgcggccc cctagaaact cggcatacag 51060

ggcgtcgatg agatgggctg cgctgggcgc cactgcgtcg tacgccgagg ggctatccag 51120

cacgaaggcc agctgatagc ccagcgcgtg taatgccaag ctctgttcgc gctccagaat 51180

ctcggccacc aggtgctgga gccgagcctc tagctgcagg cgggccgtgg gatccaagac 51240

tgacacatta aaaaacacag aatccgcggc acagcccgcg gccccgcggg cggccaaccc 51300

ggcaagcgcg cgcgagtggg ccaaaaagcc tagcaggtcg gagaggcaga ccgcgccgtt 51360

tgcgtgggcg gcgttcacga aagcaaaacc cgacgtcgcg agcagccccg ttaggcgcca 51420

gaagagaggg gggcgcgggc cctgctcggc gcccgcgtcc cccgagaaaa actccgcgta 51480

tgcccgcgac aggaactggg cgtagttcgt gccctcctcc gggtagccgc ccacgcggcg 51540

gagggcgtcc agcgcggagc cgttgtcggc ccgcgtcagg gaccctagga caaagacccg 51600

ataccggggg ccgcccgggg gcccgggaag agcccccggg gggttttcgt ccgcggggtc 51660

cccgacccga tctagcgtct ggcccgcggg gaccaccatc acttccaccg gagggctgtc 51720

gtgcatggat atcacgagcc ccatgaattc ccgcccgtag cgcgcgcgca ccagcgcggc 51780

atcgcacccg agcaccagct cccccgtcgt ccagatgccc acgggccacg tcgaggccga 51840

cggggagaaa tacacgtacc tacctgggga tctcaacagg ccccgggtgg ccaaccaggt 51900

cgtggacgcg ttgtgcaggt gcgtgatgtc cagctccgtc gtcgggtgcc gccgggcccc 51960

aaccggcggt cgggggggcg gtgtatcacg cggcccgctt gggtggctcg ccgtcgccac 52020

gttgtctccc cgcgggaacg tcagggcctc ggggtcaggg acggccgaaa acgttaccca 52080

ggcccgggaa cgcagcaaca cggaggcgac tggattgtac aagagaccct taaggggggc 52140

gaccgagggg ggaggctggg cggtcggctc gaccgtggtg ggggcgggca ggctcgcgtt 52200

cgggggccgg ccgagcaggt aggtcttcgg gatgtaaagc agctggccgg ggtcccgcgg 52260

aaactcggcc gtggtgacca atacaaaaca aaagcgctcc tcgtaccagc gaagaagggg 52320

cagagatgcc gtagtcaggt ttagttcgtc cggcggcgcc agaaatccgc gcggtggttt 52380

ttgggggtcg ggggtgtttg gcagccacag acgcccggtg ttcgtgtcgc gccagtacat 52440

gcggtccatg cccaggccat ccaaaaacca tgggtctgtc tgctcagtcc agtcgtggac 52500

ctgaccccac gcaacgccca aaataataac ccccacgaac cataaaccat tccccatggg 52560

ggaccccgtc cctaacccac ggggcccgtg gctatggcag ggcttgccgc cccgacgttg 52620

gctgcgagcc ctgggccttc acccgaactt ggggggtggg gtggggaaaa ggaagaaacg 52680

cgggcgtatt ggccccaatg gggtctcggt ggggtatcga cagagtgcca gccctgggac 52740

cgaaccccgc gtttatgaac aaacgaccca acacccgtgc gttttattct gtctttttat 52800

tgccgtcata gcgcgggttc cttccggtat tgtctccttc cgtgtttcag ttagcctccc 52860

ccatctcccg ggcaaacgtg cgcgccaggt cgcagatcgt cggtatggag ccgggggtgg 52920

tgacgtgggt ctggaccatc ccggaggtaa gttgcagcag ggcgtcccgg cagccggcgg 52980

gcgattggtc gtaatccagg ataaagacgt gcatgggacg gaggcgtttg gccaagacgt 53040

ccaaggccca ggcaaacacg ttgtacaggt cgccgttggg ggccagcaac tcgggggccc 53100

gaaacagggt aaataacgtg tccccgatat ggggtcgtgg gcccgcgttg ctctggggct 53160

cggcaccctg gggcggcacg gccgtccccg aaagctgtcc ccaatcctcc cgccacgacc 53220

cgccgccctg cagataccgc accgtattgg caagcagccc gtaaacgcgg cgaatcgcgg 53280

ccagcatagc caggtcaagc cgctcgccgg ggcgctggcg tttggccagg cggtcgatgt 53340

gtctgtcctc cggaagggcc cccaacacga tgtttgtgcc gggcaaggtc ggcgggatga 53400

gggccacgaa cgccagcacg gcctgggggg tcatgctgcc cataaggtat cgcgcggccg 53460

ggtagcacag gagggcggcg atgggatggc ggtcgaagat gagggtgagg gccgggggcg 53520

gggcatgtga gctcccagcc tccccccga tatgaggagc cagaacggcg tcggtcacgg 53580

cataaggcat gcccattgtt atctgggcgc ttgtcattac caccgccgcg tccccggccg 53640

atatctcacc ctggtcgagg cggtgttgtg tggtgtagat gttcgcgatt gtctcggaag 53700

cccccagcac ctgccagtaa gtcatcggct cgggtacgta gacgatatcg tcgcgcgaac 53760

ccagggccac cagcagttgc gtggtggtgg ttttccccat cccgtgagga ccgtctatat 53820

aaacccgcag tagcgtgggc attttctgct ccaggcggac ttccgtggct tcttgctgcc 53880

ggcgagggcg caacgccgta cgtcggttgc tatggccgcg agaacgcgca gcctggtcga 53940

acgcagacgc gtgttgatgg caggggtacg aagccatacg cgcttctaca aggcgcttgc 54000

cgaagaggtg cgggagtttc acgccaccaa gatctgcggc acgctgttga cgctgttaag 54060

cgggtcgctg cagggtcgct cggtgttcga ggccacacgc gtcaccttaa tatgcgaagt 54120

ggacctggga ccgcgccgcc ccgactgcat ctgcgtgttc gaattcgcca atgacaagac 54180

gctgggcggg gtttgtgtca tcatagaact aaagacatgc aaatatattt cttccgggga 54240

caccgccagc aaacgcgagc aacgggccac ggggatgaag cagctgcgcc actccctgaa 54300

gctcctgcag tccctcgcgc ctccgggtga caagatagtg tacctgtgcc ccgtcctggt 54360

gtttgtcgcc caacggacgc tccgcgtcag ccgcgtgacc cggctcgtcc cgcagaaggt 54420

ctccggtaat atcaccgcag tcgtgcggat gctccagagc ctgtccacgt atacggtccc 54480

catggagcct aggacccagc gagcccgtcg ccgccgcggc ggcgccgccc gggggtctgc 54540

gagcagaccg aaaaggtcac actctggggc gcgcgacccg cccgagtcag cggcccgcca 54600

gttaccaccc gccgaccaaa cccccgcctc cacggagggc gggggggtgc ttaagaggat 54660

cgcggcgctc ttctgcgtgc ccgtggccac caagaccaaa ccccgagccg cctccgaatg 54720

agagtgtttc gttccttccc cctccccccg cgtcagacaa accctaacca ccgcttaagc 54780

ggcccccgcg aggtccgaag actcatttgg atccggcggg agccacccga caacagcccc 54840

cgggttttcc cacgccagac gccggtccgc tgtgccatcg cgccccctca tcccaccccc 54900

catcttgtcc ccaaataaaa caaggtctgg tagttaggac aacgaccgca gttctcgtgt 54960

gttattttcg ctctccgcct ctcgcagatg gacccgtact gcccatttga cgctctggac 55020

gtctgggaac acaggcgctt catagtcgcc gattcccgaa acttcatcac ccccgagttc 55080

ccccgggact tttggatgtc gcccgtcttt aacctccccc gggagacggc ggcggagcag 55140

gtggtcgtcc tacaggccca gcgcacagcg gctgccgctg ccctggagaa cgccgccatg 55200

caggcggccg agctccccgt cgatatcgag cgccggttac gcccgatcga acggaacgtg 55260

cacaagatcg caggcgccct ggaggcgctg gagacggcgg cggccgccgc cgaagaggcg 55320

gatgccgcgc gcggggatga gccggcgggt gggggcgacg gggggcgcc cccgagtctg 55380

gccgtcgcgg agatggaggt ccagatcgtg cgcaacgacc cgccgctacg atacgacacc 55440

aacctccccg tggatctgct acacatggtg tacgcgggcc gcggggcgac cggatcgtcg 55500

ggggtggtgt tcgggacctg gtaccgcact atccaggacc gcaccatcac ggactttccc 55560

ctgaccaccc gcagtgccga ctttcgggac ggccgtatgt ccaagacctt catgacggcg 55620

ctggtactgt ccctgcagtc gtgcggccgg ctgtatgtgg gccagcgcca ctattccgcc 55680

ttcgagtgcg ccgtgttgtg tctctacctg ctgtaccgaa acacgcacgg ggccgccgac 55740

gatagcgacc gcgctccggt cacgttcggg gatctgctgg gccggctgcc ccgctacctg 55800

gcgtgcctgg ccgcggtgat cgggaccgag ggcggccggc cacagtaccg ctaccgcgac 55860

gacaagctcc ccaagacgca gttcgcggcc ggcgggggcc gctacgaaca cggagcgctg 55920

gcgtcgcaca tcgtgatcgc cacgctgatg caccacgggg tgctcccggc ggccccgggg 55980

gacgtccccc gggacgcgag cacccacgtt aaccccgacg gcgtggcgca ccacgacgac 56040

ataaaccgcg ccgccgccgc gttcctcagc cggggccaca acctattcct gtgggaggac 56100

cagactctgc tgcgggcaac cgcgaacacc ataacggccc tgggcgttat ccagcggctc 56160

ctcgcgaacg gcaacgtgta cgcggaccgc ctcaacaacc gcctgcagct gggcatgctg 56220

atccccggag ccgtcccttc ggaggccatc gcccgtgggg cctccgggtc cgactcgggg 56280

gccatcaaga gcggagacaa caatctggag gcgctatgtg ccaattacgt gcttccgctg 56340

taccgggccg acccggcggt cgagctgacc cagctgtttc ccggcctggc cgccctgtgt 56400

cttgacgccc aggcggggcg gccggtcggg tcgacgcggc gggtggtgga tatgtcatcg 56460

ggggcccgcc aggcggcgct ggtgcgcctc accgccctgg aactcatcaa ccgcacccgc 56520

acaaacccca cccccgtggg ggaggttatc cacgcccacg acgccctggc gatccaatac 56580

gaacaggggc ttggcctgct ggcgcagcag gcacgcattg gcttgggctc caacaccaag 56640

cgtttctccg cgttcaacgt tagcagcgac tacgacatgt tgtacttttt atgtctgggg 56700

ttcattccac agtacctgtc ggcggtttag tgggtggtgg gcgaggggggg agggggcatt 56760

agggagaaag aacaagagcc tccgttgggt tttctttgtg cctgtactca aaaggtcata 56820

ccccgtaaac ggcgggctcc agtcccggcc cggcggttgg cgtgaacgca acggcgggag 56880

ctgggttagc gtttagttta gcattcgctc tcgcctttcc gcccgccccc cgaccgttgc 56940

gccttttttt tttttcgtcc accaaagtct ctgtgggtgc gcgcatggca gccgatgccc 57000

cgggagaccg gatggaggag cccctgccag acagggccgt gcccatttac gtggctgggt 57060

ttttggccct gtatgacagc ggggactcgg gcgagttggc attggatccg gatacggtgc 57120

gtgcggccct gcctccggat aacccactcc cgattaacgt ggaccaccgc gctggctgcg 57180

aggtggggcg ggtgctggcc gtggtcgacg acccccgcgg gccgtttttt gtgggactga 57240

tcgcctgcgt gcaactggag cgcgtcctcg agacggccgc cagcgctgcg attttcgagc 57300

gccgcgggcc gccgctctcc cgggaggagc gcctgttgta cctgatcacc aactacctgc 57360

cctcggtctc cctggccaca aaacgcctgg ggggcgaggc gcaccccgat cgcacgctgt 57420

tcgcgcacgt cgcgctgtgc gcgatcgggc ggcgcctcgg cactatcgtc acctacgaca 57480

ccggtctcga cgccgccatc gcgccctttc gccacctgtc gccggcgtct cgcgaggggg 57540

cgcggcgact ggccgccgag gccgagctcg cgctgtccgg acgcacctgg gcgcccggcg 57600

tggaggcgct gacccacacg ctgctttcca ccgccgttaa caacatgatg ctgcgggacc 57660

gctggagcct ggtggccgag cggcggcggc aggccgggat cgccggacac acctacctcc 57720

aggcgagcga aaaattcaaa atgtgggggg cggagcctgt ttccgcgccg gcgcgcgggt 57780

ataagaacgg ggccccggag tccacggaca taccgcccgg ctcgatcgct gccgcgccgc 57840

agggtgaccg gtgcccaatc gtccgtcagc gcggggtcgc ctcgcccccg gtactgcccc 57900

ccatgaaccc cgttccggca tcgggcaccc cggcccccgc gccgcccggc gacgggagct 57960

acctgtggat cccggcctcc cattacaacc agctcgtcgc cggccacgcc gcgccccaac 58020

cccagccgca ttccgcgttt ggtttcccgg ctgcggcggg ggccgtggcc tatgggcctc 58080

acggcgcggg tctttcccag cattaccctc cccacgtcgc ccatcagtat cccggggtgc 58140

tgttctcggg acccagccca ctcgaggcgc agatagccgc gttggtgggg gccatagccg 58200

cggaccgcca ggcgggcggt cagacggccg cgggagaccc tggggtccgg gggtcgggaa 58260

agcgtcgccg gtacgaggcg gggccgtcgg agtcctactg cgaccaggac gaaccggacg 58320

cggactaccc gtactacccc ggggaggctc gaggcgggcc gcgcggggtc gactctcggc 58380

gcgcggcccg ccagtctccc gggaccaacg agaccatcac ggcgctgatg ggggcggtga 58440

cgtctctgca gcaggaactg gcgcacatgc gggctcggac cagcgccccc tatggaatgt 58500

acacgccggt ggcgcactat cgccctcagg tgggggagcc ggaaccaaca acgacccacc 58560

cggccctttg tcccccggag gccgtgtatc gccccccacc acacagcgcc ccctacggtc 58620

ctccccaggg tccggcgtcc catgccccca ctcccccgta tgccccagct gcctgcccgc 58680

caggcccgcc accgccccca tgtccttcca cccagacgcg cgcccctcta ccgacggagc 58740

ccgcgttccc ccccgccgcc accggatccc aaccggaggc atccaacgcg gaggccgggg 58800

cccttgtcaa cgccagcagc gcagcacacg tggacgttga cacggcccgc gccgccgatt 58860

tgttcgtctc tcagatgatg ggggcccgct gattcgcccc ggtctttggt accatgggat 58920

gtcttactgt atatcttttt aaataaacca ggtaatacca aataagaccc attggtgtat 58980

gttctttttt tattgggagg cgcgggtagg cgggtagctt tacaatgcaa aagccttcga 59040

cgtggaggaa ggcgtggggg gggaatcggc actgaccaag ggggtccgtt ttgtcacggg 59100

aaaggaaaga ggaaacaggc cgcggacacc cgggggagtt tatgtgttcc cttttctttc 59160

ttcccacaca cacaaaaggc gtaccaaaca aacaaaccaa aagatgcaca tgcggtttaa 59220

cacccgtggt ttttatttac aacaaacccc ccgtcacagg tcgtcctcgt cggcgtcacc 59280

gtctttgttg ggaacttggg tgtagttggt gttgcggcgc ttgcgcatga ccatgtcggt 59340

gaccttggcg ctgagcagcg cgctcgtgcc cttcttcttg gccttgtgtt ccgtgcgctc 59400

catggcagac accagggcca tgtaccgtat catctcccgg gcctcggcta gcttggcctc 59460

gtcaaagtcg ccgccctcct cgccctcccc ggacgcgtcc gggttggtgg ggttcttgag 59520

ctccttggtg gttagcgggt acagggcctt catggggttg ctctgcagcc gcatgacgta 59580

gcgaaaggcg aagaaagccg ccgccaggcc ggccaggacc aacagaccca cggccagcgc 59640

cccaaagggg ttggacatga aggaggacac gcccgacacg gccgatacca cgccgcccac 59700

gatgcccatc accaccttgc cgaccgcgcg ccccaggtcg cccatcccct cgaagaacgc 59760

gcccaggccc gcgaacatgg cggcgttggc gtcggcgtgg atgaccgtgt cgatgtcggc 59820

gaagcgcagg tcgtgcagct ggttgcggcg ctggacctcc gtgtagtcca gcaggccgct 59880

gtccttgatc tcgtggcggg tgtacacctc caggggggaca aactcgtgat cctccagcat 59940

ggtgatgttg aggtcgatga aggtgctgac ggtggtgatg tcggcgcggc tcagctggtg 60000

ggagtacgcg tactcctcga agtacacgta gcccccgccg aaggtgaagt agcgccggtg 60060

tcccacggtg cacggctcga tcgcatcgcg cgtcagccgc agctcgttgt tctcccccag 60120

ctgcccctcg accaacgggc cctggtcttc gtaccgaaag ctgaccaggg ggcggctgta 60180

gcaggccccg ggccgcgagc tgatgcgcat cgagttttgg acgatcacgt tgtccgcggc 60240

gaccggcacg cacgtggaga cggccatcac gtcgccgagc atccgcgcgc tcacccgccg 60300

gcccacggtg gccgaggcga tggcgttggg gttcagcttg cgggcctcgt tccacagggt 60360

cagctcgtga ttctgcagct cgcaccacgc gatggcaacg cggcccaaca tatcgttgac 60420

atggcgctgt atgtggttgt acgtaaactg cagccgggcg aactcgatgg aggaggtggt 60480

cttgatgcgc tccacggacg cgttggcgct ggccccgggc ggcgggggcg tggggtttgg 60540

gggcttgcgg ctctgctctc ggaggtgttc ccgcacgtac agctccgcga gcgtgttgct 60600

gagaaggggc tggtacgcga tcagaaagcc cccattggcc aggtagtact gcggctggcc 60660

caccttgatg tgcgtcgcgt tgtacctgcg ggcgaagatg cggtccatgg cgtcgcgggc 60720

gtccttgccg atgcagtccc ccaggtccac gcgcgagagc gggtactcgg tcaggttggt 60780

ggtgaaggtg gtggatatgg cgtcggagga gaatcggaag gagccgccgt actcggagcg 60840

cagcatctcg tccacctcct gccacttggt catggtgcag accgacgggc gctttggcac 60900

ccagtcccag gccacggtga acttgggggt cgtgagcagg ttccgggtgg tcggcgccgt 60960

ggcccgggcc ttggtggtga ggtcgcgcgc gtagaagccg tcaacctgct tgaagcggtc 61020

ggcggcgtag ctggtgtgtt cggtgtgcga cccctcccgg tagccgtaaa acggggacat 61080

gtacacaaag tcgccagtcg ccagcacaaa ctcgtcgtac gggtacaccg agcgcgcgtc 61140

cacctcctcg acgatgcagt ttaccgtcgt cccgtaccgg tggaacgcct ccacccgcga 61200

ggggttgtac ttgaggtcgg tggtgtgcca gccccggctc gtgcgggtcg cggcgttggc 61260

cggtttcagc tccatgtcgg tctcgtggtc gtcccggtga aacgcggtgg tctccaggtt 61320

gttgcgcacg tacttggccg tggaccgaca gacccccttg gcgttgatct tgtcgatcac 61380

ctcctcgaag gggacggggg cgcggtcctc aaagatcccc ataaactggg agtagcggtg 61440

gccgaaccac acctgcgaaa cggtgacgtc tttgtagtac atggtggcct tgaacttgta 61500

cggggcgatg ttctccttga agaccaccgc gatgccctcc gtgtagttct gaccctcggg 61560

ccgggtcggg cagcggcgcg gctgctcgaa ctgcaccacc gtggcgcccg tgggggggtgg 61620

gcacacgtaa aagtttgcat cggtgttctc cgccttgatg tcccgcaggt gctcgcgcag 61680

ggtggcgtgg cccgcggcga cggtcgcgtt gtcgccggcg gggcgcggcg gcggtgggtt 61740

tttcggtttt ttgttcttct tcggtttcgt gtccccgtt ggggcggggc caggggcggg 61800

cggcgccgga gtggcaggtc ccccgttcgc cgcctgggtc gcggccgcga ccccaggcgt 61860

gccgggggaa ctcggagccg ccgacgccac caggaccccc agcgtcaacc ccaagagcgc 61920

ccatacgacg aaccaccggc acccccgcgc gggggcgccc tggcgcatgg cgggactacg 61980

ggggcccgtc gtgccccccg tcaggtagcc tgggggcgag gtgctggagg accgagtaga 62040

ggatcgagaa aacgtctcgg tcgtagacca cgaccgaccg ggggccgata cagccgtcgg 62100

gggcgctctc gacgatggcc accagcggac agtcggagtc gtacgtgaga tatacgccgg 62160

gcgggtaacg gtaacgacct tcggaggtcg ggcggctgca gtccgggcgg cgcaactcga 62220

gctccccgca ccggtagacc gaggcaaaga gtgtggtggc gataatcagc tcgcgaatat 62280

atcgccaggc ggcgcgctga gtgggcgtta ttccggaaat gccgtcaaaa cagtaaaacc 62340

tctgaaattc gctgacggcc caatcagcac ccgagccccc cgcccccatg atgaaccggg 62400

cgagctcctc cttcaggtgc ggcaggagcc ccacgttctc gacgctgtaa tacagcgcgg 62460

tgttgggggg ctgggcgaag ctgtgggtgg agtgatcaaa gaggggcccg ttgacgagct 62520

cgaagaagcg atgggtgatg ctggggagca gggccgggtc cacctggtgt cgcaggagag 62580

acgctcgcat gaaccggtgc gcgtcgaaca cgcccggcgc cgagcggttg tcgatgaccg 62640

tgcccgcgcc cgccgtcagg gcgcagaagc gcgcgcgcgc cgcaaagccg ttggcgaccg 62700

cggcgaacgt cgcgggcagc acctcgccgt ggacgctgac ccgcagcatc ttctcgagct 62760

ccccgcgctg ctcgcggacg cagcgcccca ggctggccaa cgaccgcttc gtcaggcggt 62820

ccgcgtacag ccgccgtcgc tcccgcacgt ccgcggccgc ttgcgtggcg atgtcccccc 62880

acgtctcggg cccctgcccc ccgggcccgc ggcgacggtc ttcgtcctcg cccccgcccc 62940

cgggagctcc caacccccgt gcccccttcct ctacggcgac acggtccccg tcgtcgtcgg 63000

ggcccgcgcc gcccttgggc gcgtccgccg cgcccccccgc ccccatgcgc gccagcacgc 63060

gacgcagcgc ctcctcgtcg cactgttcgg ggctgacgag gcgccgcaag agcggcgtcg 63120

tcaggtggtg gtcgtagcac gcgcggatga gcgcctcgat ctgatcgtcg ggtgacgtgg 63180

cctgaccgcc gattattagg gcgtccacca tatccagcgc cgccaggtgg ctcccgaacg 63240

cgcgatcgaa atgctccgcc cgccgcccga acagcgccag ttccacggcc accgcggcgg 63300

tctcctgctg caactcgcgc cgcgccagcg cggtcaggtt gctggcaaac gcgtccatgg 63360

tggtctggcc ggcgcggtcg ccggacgcga gccagaatcg caattcgctg atggcgtaca 63420

ggccgggcgt ggtggcctga aacacgtcgt gcgcctccag cagggcgtcg gcctccttgc 63480

ggaccgagtc gttctcgggc gacgggtggg gctgcccgtc gccccccgcg gtccgggcca 63540

gcgcatggtc caacacggag agcgcccgcg cgcggtcggc gtccgacagc ccggcggcgt 63600

ggggcaggta ccgccgcagc tcgttggcgt ccagccgcac ctgcgcctgc tgggtgacgt 63660

ggttacagat acggtccgcc aggcggcggg cgatcgtcgc cccctggttc gccgtcacac 63720

acagttcctc gaaacagacc gcgcaggggt gggacgggtc gctaagctcc ggggggacga 63780

taaggcccga ccccaccgcc cccaccataa actcccgaac gcgctccagc gcggcggtgg 63840

cgccgcgcga gggggtgatg aggtggcagt agtttagctg ctttagaaag ttctcgacgt 63900

cgtgcaggaa acacagctcc atatggacgg tcccgccata cgtatccagc ctgacccgtt 63960

ggtgatacgg acagggtcgg gccaggccca tggtctccgt gaaaaacacc gcgacgtctc 64020

ccgcggtcgc gaacgtctcc aggctgccca ggagccgctc gccctcgcgc cacgcgtact 64080

ctagcagcaa ctccagggtg accgacagcg gggtgagaaa ggccccggcc tgggcctcca 64140

ggcccggcct cagacgacgc cgcagcgccc gcacctgaag cgcgttcagc ttcagttggg 64200

ggagcttccc ccgtccgatg tgggggtcgc accgccggag cagctctatc tgaaacacat 64260

aggtctgcac ctgtccgagc agggctaaca acttttgacg ggccacggtg ggctcggaca 64320

ccggggcggc catctcgcgg cgccgatctg taccgcggcc ggagtatgcg gtggaccgag 64380

gcggtccgta cgctacccgg cgtctggctg agccccgggg tcccctatt cggggcggcc 64440

tcccgcgggc ccgccgaccg gcaagccggg agtcggcggc gcgtgcgttt ctgttctatt 64500

cccagacacc gcggagagga atcacggccc gcccagagat atagacacgg aacacaaaca 64560

agcacggatg tcgtagcaat aatttatttt acacacattc cccgccccgc cctaggttcc 64620

cccacccccc aacccctcac agcatatcca acgtcaggtc tccctttttg tcgggggggcc 64680

cctccccaaa cgggtcatcc ccgtggaacg cccgtttgcg gccggcaaat gccggtcccg 64740

gggcccccgg gccgccgaac ggcgtcgcgt tgtcgtcctc gcagccaaaa tccccaaagt 64800

taaacacctc cccggcgttg ccgagttggc tgactagggc ctcggcctcg tgcgccacct 64860

ccagggccgc gtccgtcgac cactcgccgt tgccgcgctc cagggcacgt gcggtcagct 64920

ccatcatctc ctcgcttagg tactcgtcct ccaggagcgc cagccagtcc tcgatctgca 64980

gctgttgggt gcggggcccc aggcttttca cggtcgccac gaacacgcta ctggcgacgg 65040

ccgccccgcc ctcggagata atgccccgga gctgctcgca cagcgagctt tcgtgcgctc 65100

cgccgccgag gctcgaggcc gcgcacacaa acccggcccg gggacaggcc aggacgaact 65160

tgcgggtgcg gtcaaaaata aggagcgggc acgcgttttt gccgcccatc aggctggccc 65220

agttcccggc ctgaaacaca cggtcgttgc cggccatgcc gtagtatttg ctgatgctca 65280

accccaacac gaccatgggg cgtgccgcca tgacgggccg cagcaggttg cagctggcga 65340

acatggaggt ccacgcgccc ggatgcgcgt ccacggcgtc catcagcgcg cgggccccgg 65400

cctccaggcc cgccccgccc tgcgcggacc acgcggccgc cgcctgcacg ctggggggac 65460

ggcgggaccc cgcgatgatg gccgtgaggg tgttgatgaa gtacgtcgag tgatcgcagt 65520

accgcagaat ctggtttgcc atgtagtaca tcgccagctc gctcacgttg ttgggggcca 65580

ggttaataaa gttgatcgcg ccgtagtcca gggaaaactt tttaatgaac gcgatggtct 65640

cgatgtcctc gcgcgacagg agccgggcgg gaagctggtt gcgttggagg gccgtccaga 65700

accactgcgg gttcggctgg ttggaccccg ggggcttgcc gttggggaag atggccgcgt 65760

ggaactgctt cagcagaaag cccagcggtc cgaggaggat gtccacgcgc ttgtcgggct 65820

tctggtaggc gctctggagg ctggcgaccc gcgccttggc ggcctcggac gcgttggcgc 65880

tcgcgcccgc gaacaacacg cggctcttga cgcgcagctc cttgggaaac cccagggtca 65940

cgcgggcaac gtcgccctcg aagctgctct cggcgggggc cgtctggccg gccgtcaggc 66000

tgggggcgca gatagccgca ccctccgaga gcgcgaccgt cagcgttttg gccgacagaa 66060

acccgttgtt aaacatgtcc atcacgcgcc gccgcagcac cggttggaat tgattgcgaa 66120

agttgcgccc ctcgaccgac tgcccggcga acaccccgtg gcactggctc agggccaggt 66180

cctggtacac ggcgaggttg gatcgccgcc cgagaagctg aagcaggggg cacggcccgc 66240

acgcgtacgg gtccagcgtc agggacatgg cgtggttggc ctcgcccaga ccgtcgcgaa 66300

acttgaagtt cctcccctcc accaggttgc gcatcagctg ctccacctcg cggtccacga 66360

cctgcctgac gttgttcacc accgtatgca gggcctcgcg gttggtgatg atggtctcca 66420

gccgccccat ggccgtgggg accgcctggt ccacgtactg cagggtctcg agttcggcca 66480

tgacgcgctc ggtcgccgcg cggtacgtct cctgcatgat ggtccgggcg gtctcggatc 66540

cgtccgcgcg cttcagggcc gagaaggcgg cgtagtttcc cagcacgtcg cagtcgctgt 66600

acatgctgtt catggtcccg aagacgccga tggctccgcg ggcggcgctg gcgaacttgg 66660

gatggcgcgc ccggaggcgc atgagcgtcg tgtgtacgca ggcgtggcgc gtgtcgaagg 66720

tgcacaggtt acagggcacg tcggtctggt tggagtccgc gacgtatcga aacacgtcca 66780

tctcctggcg cccgacgatc acgccgccgt cgcagcgctc caggtaaaac agcatcttgg 66840

ccagcagcgc cggggaaaac ccacacagca tggccaggtg ctcgccggca aattcctggg 66900

ttccgccgac gaggggcgcg gtgggccgac cctcgaaccc gggcaccacg tgtccctcgc 66960

ggtccacctg tgggttggcc gccacgtggg tcccgggcac gaggaagaag cggtaaaagg 67020

agggtttgct gtggtccttt gggtccgccg ggccggcgtc gtccacctcg gtgagatgga 67080

gggccgagtt ggtgctaaat accatggccc ccacgagtcc cgcggcgcgc gccaggtacg 67140

ccccgacggc gttggcgcgg gccgcggccg tgtcctggcc ctcgaacagc ggccacgcgg 67200

agatgtcggt gggcggctcg tcaaagacgg ccatcgacac gatagactcg agggccaggg 67260

cggcgtctcc ggccatgacg gaggccaggc gctgttcgaa cccgcccgca gggcccttgc 67320

cgccgccgtc gcgcccgccc cgcggggtct taccctggct ggcttcgaag gccgtgaacg 67380

taatgtcggc ggggagggcg gcgccctcgt ggttttcgtc aaacgccagg tgggcggccg 67440

cgcgggccac ggcgtccacg tttcggcatc gcagtgccac ggcggcgggt cccacgaccg 67500

cctcgaacag gaggcggtgg agggggcggt taaaaaacgg aagcgggtag gtaaaattct 67560

ccccgatcga tcggtggttg gcgttgaacg gctctgcgat gacacggcta aaatccggca 67620

tgaacagctg caacgggtac acgggtatgc ggtgcacctc cgccccgcct atggttacct 67680

tgtccgagcc tcccaggtgc agaaaggtgt tgttgatgca cacggcctcc ttgaagccct 67740

cggtaacgac cagatacagg agggcgcggt ccgggtccag gccgaggcgc tcacacagcg 67800

cctcccccgt cgtctcgtgt ttgaggtcgc cgggccgggg ggtgtagtcc gaaaagccaa 67860

aatggcggcg tgcccgctcg cagagtcgcg tcaggttcgg ggcctgggtg ctggggtcca 67920

ggtgccggcc gccgtgaaag acgtacacgg acgagctgta gtgcgagggc gtcagtttca 67980

gggacaccgc ggtacccccg agccccgtcg tgcgagaacc cacgaccacg gccacgttgg 68040

cctcaaagcc gctctccacg gtcaggccca cgaccagggg cgccacggcg acgtcggcat 68100

cgccgctgcg cgccgacagt aacgccagaa gctcgatgcc ttcggacgga cacgcgcgag 68160

cgtacacgta tcccaggggc ccgggggggga ccttgatggt ggttgccgtc ttgggctttg 68220

tctccatgtc cttctgtcaa tcggtccgcg aacggaggta atcccggcac gacgacggac 68280

gcccgacaag gtatgtctcc cgagcgtcaa aatccggggg ggggggcggc gacggtcaag 68340

gggagggttg gagaccgggg ttggggaatg aatccctacc cttcaccgac aacccccggg 68400

gtaatcacgg ggtgccgatg aaccccggcg gccggcaacg cggggtccct gcgagaggca 68460

cagatgctta cggtcaggtg ctccgggtcg ggtgcgtctg gtatgcggtt ggtatatgta 68520

cactttacct gggggcgtgc ctggccgccc cagcccctcc cacgccctgc gcgtcatcag 68580

ccggtgggcg tggccgctat tataaaaaaa gtgagaacgc gaagcgttcg cactttgtcc 68640

taataatata tatattatta ggacaaagtg cgaacgcttc gcgttctcac ttttttata 68700

atagcggcca cgcccaccgg ctacgtcacg ctcctgtcgg ccgccggcgg tccataagcc 68760

cggccggccg ggccgacgcg aataaaccgg gccgccggcc ggggcgccgc gcagcagctc 68820

gccgcccgga tccgccagac aaacaaggcc cttgcacatg ccggcccggg cgagcctggg 68880

ggtccggtaa ttttgccatc ccacccaagc ggctttttgg gtttttctct tccccctcc 68940

ccacatcccc cctctttagg ggttcgggtg gtaacaaccg cgatgttttc cggtggcggc 69000

ggcccgctgt cccccggagg aaagtcggcg gccagggcgg cgtccgggtt ttttgcgccc 69060

gccggccctc gcggagccgg ccggggaccc ccgccttgct tgaggcaaaa cttttacaac 69120

ccctacctcg ccccagtcgg gacgcaacag aagccgaccg ggccaaccca gcgccatacg 69180

tactatagcg aatgcgatga atttcgattc atcgccccgc gggtgctgga cgaggatgcc 69240

cccccggaga agcgcgccgg ggtgcacgac ggtcacctca agcgcgcccc caaggtgtac 69300

tgcgggggggg acgagcgcga cgtcctccgc gtcgggtcgg gcggcttctg gccgcggcgc 69360

tcgcgcctgt ggggcggcgt ggaccacgcc ccggcggggt tcaaccccac cgtcaccgtc 69420

tttcacgtgt acgacatcct ggagaacgtg gagcacgcgt acggcatgcg cgcggcccag 69480

ttccacgcgc ggtttatgga cgccatcaca ccgacgggga ccgtcatcac gctcctgggc 69540

ctgactccgg aaggccaccg ggtggccgtt cacgtttacg gcacgcggca gtacttttac 69600

atgaacaagg aggaggtcga caggcaccta caatgccgcg ccccacgaga tctctgcgag 69660

cgcatggccg cggccctgcg cgagtccccg ggcgcgtcgt tccgcggcat ttccgcggac 69720

cacttcgagg cggaggtggt ggagcgcacc gacgtgtact actacgagac gcgccccgct 69780

ctgttttacc gcgtctacgt ccgaagcggg cgcgtgctgt cgtacctgtg cgacaacttc 69840

tgcccggcca tcaagaagta cgagggtggg gtcgacgcca ccacccggtt catcctggac 69900

aaccccgggt tcgtcacctt cggctggtac cgtctcaaac cgggccggaa caacacgcta 69960

gcccagccgc gggccccgat ggccttcggg acatccagcg acgtcgagtt taactgtacg 70020

gcggacaacc tggccatcga ggggggcatg agcgacctac cggcatacaa gctcatgtgc 70080

ttcgatatcg aatgcaaggc gggggggggag gacgagctgg cctttccggt ggccgggcac 70140

ccggaggacc tggtcatcca gatatcctgt ctgctctacg acctgtccac caccgccctg 70200

gagcacgtcc tcctgttttc gctcggttcc tgcgacctcc ccgaatccca cctgaacgag 70260

ctggcggcca ggggcctgcc cacgcccgtg gttctggaat tcgacagcga attcgagatg 70320

ctgttggcct tcatgaccct tgtgaaacag tacggccccg agttcgtgac cgggtacaac 70380

atcatcaact tcgactggcc cttcttgctg gccaagctga cggacattta caaggtcccc 70440

ctggacgggt acggccgcat gaacggccgg ggcgtgtttc gcgtgtggga cataggccag 70500

agccacttcc agaagcgcag caagataaag gtgaacggca tggtgaacat cgacatgtac 70560

gggattataa ccgacaagat caagctctcg agctacaagc tcaacgccgt ggccgaagcc 70620

gtcctgaagg acaagaagaa ggacctgagc tatcgcgaca tccccgccta ctacgccgcc 70680

gggcccgcgc aacgcggggt gatcggcgag tactgcatac aggattccct gctggtgggc 70740

cagctgtttt ttaagttttt gccccatctg gagctctcgg ccgtcgcgcg cttggcgggt 70800

attaacatca cccgcaccat ctacgacggc cagcagatcc gcgtctttac gtgcctgctg 70860

cgcctggccg accagaaggg ctttattctg ccggacaccc aggggcgatt taggggcgcc 70920

ggggggggagg cgcccaagcg tccggccgca gcccgggagg acgaggagcg gccagaggag 70980

gagggggagg acgaggacga acgcgaggag ggcgggggcg agcgggagcc ggagggcgcg 71040

cgggagaccg ccggccggca cgtggggtac caggggggcca gggtccttga ccccacttcc 71100

gggtttcatg tgaaccccgt ggtggtgttc gactttgcca gcctgtaccc cagcatcatc 71160

caggcccaca acctgtgctt cagcacgctc tccctgaggg ccgacgcagt ggcgcacctg 71220

gaggcgggca aggactacct ggagatcgag gtgggggggc gacggctgtt cttcgtcaag 71280

gctcacgtgc gagagagcct cctcagcatc ctcctgcggg actggctcgc catgcgaaag 71340

cagatccgct cgcggattcc ccagagcagc cccgaggagg ccgtgctcct ggacaagcag 71400

caggccgcca tcaaggtcgt gtgtaactcg gtttacgggt tcacgggagt gcagcacgga 71460

ctcctgccgt gcctgcacgt tgccgcgacg gtgacgacca tcggccgcga gatgctgctc 71520

gcgacccgcg agtacgtcca cgcgcgctgg gcggccttcg aacagctcct ggccgatttc 71580

ccggaggcgg ccgacatgcg cgcccccggg ccctattcca tgcgcatcat ctacggggac 71640

acggactcca tctttgtgct gtgccgcggc ctcacggccg ccgggctgac ggccgtgggc 71700

gacaagatgg cgagccacat ctcgcgcgcg ctgtttctgt cccccatcaa actcgagtgc 71760

gaaaagacgt tcaccaagct gctgctgatc gccaagaaaa agtacatcgg cgtcatctac 71820

gggggtaaga tgctcatcaa gggcgtggat ctggtgcgca aaaacaactg cgcgtttatc 71880

aaccgcacct ccagggccct ggtcgacctg ctgttttacg acgataccgt atccggagcg 71940

gccgccgcgt tagccgagcg ccccgcagag gagtggctgg cgcgacccct gcccgaggga 72000

ctgcaggcgt tcggggccgt cctcgtagac gcccatcggc gcatcaccga cccggagagg 72060

gacatccagg actttgtcct caccgccgaa ctgagcagac acccgcgcgc gtacaccaac 72120

aagcgcctgg cccacctgac ggtgtattac aagctcatgg cccgccgcgc gcaggtcccg 72180

tccatcaagg accggatccc gtacgtgatc gtggcccaga cccgcgaggt agaggagacg 72240

gtcgcgcggc tggccgccct ccgcgagctc gacgccgccg ccccagggga cgagcccgcc 72300

ccccccgcgg ccctgccctc cccggccaag cgcccccggg agacgccgtt gcatgccgac 72360

cccccgggag gcgcgtccaa gccccgcaag ctgctggtgt ccgagctggc cgaggatccc 72420

gcatacgcca ttgcccacgg cgtcgccctg aacacggact attacttctc ccacctgttg 72480

ggggcggcgt gcgtgacatt caaggccctg tttgggaata acgccaagat caccgagagt 72540

ctgttaaaaa ggtttattcc cgaagtgtgg cacccccggg acgacgtggc cgcgcggctc 72600

cgggccgcag ggttcggggc ggtgggtgcc ggcgctacgg cggaggaaac tcgtcgaatg 72660

ttgcatagag cctttgatac tctagcatga gccccccgtc gaagctgatg tccctcattt 72720

tacaataaat gtctgcggcc gacacggtcg gaatctccgc gtccgtgggt ttctctgcgt 72780

tgcgccggac cacgagcaca aacgtgctct gccacacgtg ggcgacgaac cggtaccccg 72840

ggcacgcggt gagcatccgg tctatgagcc ggtagtgcag gtgggcggac gtgccgggaa 72900

agatgacgta cagcatgtgg cccccgtaag tggggtccgg gtaaaacaac agccgcgggt 72960

cgcacgcccc gcctccgcgc aggatcgtgt ggacgaaaaa aagctcgggt tggccaagaa 73020

tcccggccaa gaggtcctgg agggggggcgt tgtggcggtc ggccaacacg accaaggagg 73080

ccaggaaggc gcgatgctcg aatatcgtgt tgatctgctg cacgaaggcc aggattaggg 73140

cctcgcggct ggtggcggcg aaccgcccgt ctcccgcgtt gcacgcggga cagcaacccc 73200

cgatgcctag gtagtagccc atcccggaga gggtcaggca gttgtcggcc acggtctggt 73260

ccagacagaa gggcagcgag acgggagtgg tcttcaccag gggcaccgag agcgagcgca 73320

cgatggcgat ctcctcggag ggcgtctggg cgagggcggc gaaaaggccc cgatagcgct 73380

ggcgctcgtg taaacacagc tcctgtttgc gggcgtgagg cggcaggctc ttccgggagg 73440

cccgacgcac cacgcccaga gtcccgccgg ccgcagagga gcgcgaccgc cggcgctcct 73500

tgccgtgata gggcccgggc cgggagccgc ggcgatgggg gtcggtgtca tacataggta 73560

cacagggtgt gctccaggga caggagcgag atcgagtggc gtctaagcag cgcgcccgcc 73620

tcacggacaa atgtggcgag cgcggtgggc tttggtacaa atacctgata cgtcttgaag 73680

gtgtagatga gggcacgcaa cgctatgcag acacgcccct cgaactcgtt cccgcaggcc 73740

agcttggcct tgtggagcag cagctcgtcg ggatgggtgg cgggggggatg gccgaacaga 73800

acccaggggt caacctccat ctccgtaatg gcgcacatgg ggtcacagaa catgtgctta 73860

aagatggcct cgggccccgc ggcccgaagc aggctcacaa accggccccc gtccccgggc 73920

tgcgtctcgg ggtcagcctc gagctggtcg acgacgggta cgatacagtc gaagaggctc 73980

gtgttgtttt ccgagtagcg gaccacggag gcccggagtc tgcgcagggc cagccagtaa 74040

gcacgcacca gtaacaggtt acacagcagg cattctccgc cggtgcgccc gcgcccccgg 74100

ccgtgtttca gcacggtggc catcagaggg cccaggtcga ggtcgggctg ggcatcgggt 74160

tcggtaaact gcgcaaagcg cggagccacg tcgcgcgtgc gtgccccgcg atgcgcttcc 74220

caggactggc ggaccgtggc gcgacgggcc tccgcggcag cgcgcagctg gggccccgac 74280

tcccagacgg cgggggtgcc ggcgaggagc agcaggacca gatccgcgta cgcccacgta 74340

tccggcgact cctccggctc gcggtccccg gcgaccgtct cgaattcccc gttgcgagcg 74400

gcggcgcgcg tacagcagct gtccccgccc ccgcgccgac cctccgtgca gtccaggaga 74460

cgggcgcaat ccttccagtt catcagcgcg gtggtgagcg acggctgcgt gccggatccc 74520

gccgaccccg ccccctcctc gcccccggag gccaaggttc cgatgagggc ccgggtggca 74580

gactgcgcca ggaacgagta gttggagtac tgcaccttgg cggctcccgg ggagggcgag 74640

ggcttgggtt gcttctgggc atgccgcccg ggcaccccgc cgtcggtacg gaagcagcag 74700

tggagaaaaa agtgccggtg gatgtcgttt atggtgaggg caaagcgtgc gaaggagccg 74760

accagggtcg ccttcttggt gcgcagaaag tggcggtcca tgacgtacac aaactcgaac 74820

gcggccacga agatgctagc ggcgcagtgg ggcgccccca ggcatttggc acagagaaac 74880

gcgtaatcgg ccacccactg aggcgagagg cggtaggttt gcttgtacag ctcgatggtg 74940

cggcagacca gacagggccg gtccagcgcg aaggtgtcga tggccgccgc ggaaaagggc 75000

ccggtgtcca aaagcccctc cccacaggga tccgggggcg ggttgcgggg tcctccgcgc 75060

ccgcccgaac cccctccgtc gcccgccccc ccgcgggccc ttgagggggc ggtgaccacg 75120

tcggcggcga cgtcctcgtc gagcgtaccg acgggcggca cacctatcac gtgactggcc 75180

gtcaggagct cggcgcagag agcctcgtta agagccagga ggctgggatc gaaggccaca 75240

tacgcgcgct cgaacgcccc cgccttccag ctgctgccgg gggactcttc gcacaccgcg 75300

acgctcgcca ggaccccggg gggcgaagtt gccatggctg ggcgggaggg gcgcacgcgc 75360

cagcgaactt tacgggacac aatccccgac tgcgcgctgc ggtcccagac cctggagagt 75420

ctagacgcgc gctacgtctc gcgagacggc gcgcatgacg cggccgtctg gttcgaggat 75480

atgacccccg ccgagctgga ggttgtcttc ccgactacgg acgccaagct gaactacctg 75540

tcgcggacgc agcggctggc ctccctcctg acgtacgccg ggcctataaa agcgcccgac 75600

gacgccgccg ccccgcagac cccggacacc gcgtgtgtgc acggcgagct gctcgcccgc 75660

aagcgggaaa gattcgcggc ggtcattaac cggttcctgg acctgcacca gattctgcgg 75720

ggctgacgcg cgtgctgttg ggcgggacgg ttcgcgaacc ctttggtggg tttacgcggg 75780

cacgcacgct cccatcgcgg gcgccatggc gggactgggc aagccctaca ccggccaccc 75840

aggtgacgcc ttcgagggtc tcgttcagcg aattcggctt atcgtcccat ctacgttgcg 75900

gggcggggac ggggaggcgg gcccctactc tccctccagc ctcccctcca ggtgcgcctt 75960

tcagtttcat ggccatgacg ggtccgacga gtcgtttccc atcgagtatg tactgcggct 76020

tatgaacgac tgggccgagg tcccgtgcaa cccttacctg cgcatacaga acaccggcgt 76080

gtcggtgctg tttcaggggt tttttcatcg cccacacaac gcccccgggg gcgcgattac 76140

gccagagcgg accaatgtga tcctggggtc caccgagacg acggggttgt ccctcggcga 76200

cctggacacc atcaaggggc ggctcggcct ggatgcccgg ccgatgatgg ccagcatgtg 76260

gatcagctgc tttgtgcgca tgccccgcgt gcagctcgcg tttcggttca tgggccccga 76320

agatgccgga cggacgagac ggatcctgtg ccgcgccgcc gagcaggcta ttacccgtcg 76380

ccgccgaacc cggcggtccc gggaggcgta cggggccgag gccgggctgg gggtggccgg 76440

aacgggtttc cgggccaggg gggacggttt tggcccgctc cccttgttaa cccaagggcc 76500

ctcccgcccg tggcaccagg ccctgcgggg tcttaagcac ctacggattg gccccccgc 76560

gctcgttttg gcggcgggac tcgtcctggg ggccgctatt tggtgggtgg ttggtgctgg 76620

cgcgcgccta taaaaaagga cgcaccgccg ccctaatcgc cagtgcgttc cggacgcctt 76680

cgccccacac agccctcccg accgacaccc ccatatcgct tcccgacctc cggtcccgat 76740

ggccgtcccg caatttcacc gccccagcac cgttaccacc gatagcgtcc gggcgcttgg 76800

catgcgcggg ctcgtcttgg ccaccaataa ctctcagttt atcatggata acaaccaccc 76860

acacccccag ggcacccaag gggccgtgcg ggagtttctc cgcggtcagg cggcggcact 76920

gacggacctt ggtctggccc acgcaaacaa cacgtttacc ccgcagccta tgttcgcggg 76980

cgacgcaccg gccgcctggt tgcggcccgc gtttggcctg cggcgcacct attcaccttt 77040

tgtcgttcga gaaccttcga cgcccgggac cccgtgaggc ccagggagtt ccttctgggg 77100

tgttttaatc aataaaagac cacaccaacg cacgagcctt gcgtttaatg tcgtgtttat 77160

tcaagggagt gggatagggt tcgacggttc gaaacttaac acaccaaata atcgagcgcg 77220

tctagcccag taacatgcgc acgtgatgta ggctggtcag cacggcgtcg ctgtgatgaa 77280

gcagcgcccg gcgggtccgc tgtaactgct gttgtaggcg gtaacaggcg cggatcagca 77340

ccgccagggc gctacgaccg gtgcgttgca cgtagcgtcg cgacagaact gcgtttgccg 77400

atacgggcgg ggggccgaat tgtaagcgcg tcacctcttg ggagtcatcg gcggataacg 77460

cactgaatgg ttcgttggtt atgggggagt gtggttcccc agggagtggg tcgagcgcct 77520

cggcctcgga atccgagagg aacaacgagg tggcgtcgga gtcttcgtcg tcagagacat 77580

acagggtctg aagcagcgac acgggcgggg gggtagcgtc gatgtgtagc gcgagggagg 77640

atgcccacga agacacccca gacaaggagc tgcccgtgcg tggatttgtg gaagacgcgg 77700

aagccgggac ggatgggcgg ttttgcggtg cccggaaccg aaccgccgga tactccccgg 77760

gtgctacatg cccgttttgg ggctggggtt ggggctgggg ttggggctgg ggttggggct 77820

ggggttgggg ctggggttgg ggctggggtt ggggttgggg ttggggctgg ggttggggtt 77880

ggggctgggg ctggggctgg ggctggggct ggggctgggg ctggggctgg ggctggggct 77940

ggggctgggg ctggggctgg ggctggggct ggggctgggg ttggggcgcg gacaggcggc 78000

tgacggtcaa atgcccccgg gggcgcgcag atgtggtggg cgtggccacc ggctgccgtg 78060

tagtggggcg gcgggaaacc gggcctccgg gcgtaacacc gccctccagc gtcaagtatg 78120

tgggggggcgg gcctgacgtc gggggcgggg tgacgggttg gaccgcggga ggcgggggag 78180

agggacctgc gggagaggat gaggtcggct cggccgggtt gcggcctaaa acaggggccg 78240

tggggtcggc ggggtcccag ggtgaaggga gggattcccg cgattcggac agcgacgcga 78300

cagcggggcg cgtaaggcgc cgctgcggcc cgcctacggg aaccctgggg ggggttggcg 78360

cgggacccga ggttagcggg gggcggcggt tttcgccccc gggcaaaacc gtgccggttg 78420

cgaccggggg cggaacggga tcgataggga gagcgggaga agcctggccg gcggactggg 78480

gaccgagcgg gaggggcaca ccagacacca aagcgtgggg cgctggctct gggggtttgg 78540

gaggggccgg ggggcgcgcg aaatcggtaa ccggggcgac cgtgtcgggg agggcaggcg 78600

gccgccaacc ctgggtggtc gcggaagcct gggtggcgcg cgccagggag cgtgcccggc 78660

ggtgtcggcg cgcgcgcgac ccggacgaag aagcggtaga agcgcgggag gaggcggggg 78720

ggcgggggggc ggtggcatcg gggggcgccg gggaactttg gggggacggc aagcgccgga 78780

agtcgtcgcg ggggcccacg ggcgccggcc gcgtgctttc ggccgggacg cccggtcgtg 78840

cttcgcgagc cgtgactgcc ggcccagggg gccgcggtgc acactgggac gtggggacgg 78900

actgatcggc ggtgggcgaa agggggtccg gggcaaggag gggcgcgggg ccgccggagt 78960

cgtcagacgc gagctcctcc aggccgtgaa tccatgccca catgcgaggg gggacgggct 79020

cgccgggggt ggcgtcggtg aatagcgtgg gggccaggct tccgggcccc aacgagccct 79080

ccgccccaac aaggtccgcc gggccggggg tcgggttcgg gaccgagggg ctctggtcgt 79140

cgggggcgcg ctggtacacc ggatgccccg ggaatagctc ccccgacagg agggaggcgt 79200

cgaacggccg cccgaggata gctcgcgcga ggaaggggtc ctcgtcggtg gcgctcgcgg 79260

cgaggacgtc ctcgccgccc gccacaaacg ggagctcctc ggtggcctcg ctgccaacaa 79320

accgcatgtc gggggggccg gggggtccg ggttttccca caacaccgcg accggggtca 79380

tggagatgtc cacgagcacc aggcacggcg ggccccgggc gaggggccgc tcggcgatga 79440

gcgcggacag gcgcgggagc tgtgccgcca gacacgcgtt ttcgatcggg ttaaggtcgg 79500

cgtgcaggag gcggacggcc cacgtctcga tgtcggacga cacggcatcg cgcaaggcgg 79560

cgtccggccc gcgagcgcgt gagtcaaaca gcgtgaggca cagctccagt tccgactcgc 79620

gggaaaaggc cgtggtgttg cggagcgcca cgacgacggg cgcgcccagg agcactgccg 79680

ccagcaccag gtccatggcc gtaacgcgcg ccgcgggggt gcggtgggtg gcggcggccg 79740

gcacggcgac gtgctggccc gtgggccggt agagggcgtt ggggggagcg gggggtgacg 79800

cctcgcgccc ccccgagggg ctcagcgtct gcccagattc cagacgcgcg gtcagaaggg 79860

cgtcgaaact gtcatactct gtgtagtcgt ccggaaacat gcaggtccaa agagcggcca 79920

gcgcggtgct tgggagacac atgcgcccga ggacgctcac cgccgccagc gcctgggcgg 79980

gactcagctt tcccagcgcg gcgccgcgct cggttcccag ctcggggacc gagcgccagg 80040

gcgccagggg gtcggtttcg gacaacttgc cgcggcgcca gtctgccagc cgcgtgccga 80100

acatgaggcc ccgggtcgga gggcctccgg ccgaaaacgc tggcagcacg cggatgcggg 80160

cgtctggatg cggggtcagg cgctgcacga atagcatgga atctgctgcg ttctgaaacg 80220

cacgggggag ggtgagatgc atgtactcgt gttggcggac cagatccagg cgccaaaagg 80280

tgtaaatgtg ttccggggag ctggccacca gcgccaccag cacgtcgttc tcgttaaagg 80340

aaacgcggtg cctagtggag ctctggggtc cgagcggcgg ccccggggcc gccgcgtcac 80400

cccccccattc cagctgggcc cagcgacacc caaactcgcg cgtgagagtg gtcgcgacga 80460

gggcgacgta gagctcggcc gccgcatcca tcgaggcccc ccatctcgcc tggcggtggc 80520

gcacaaagcg tccgaagagc tgaaagttgg cggcctgggc gtcgctgagg gccagctgaa 80580

gccggttgat gacggtgagg acgtacatgg ccgtgacggt cgaggccgac tccagggtgt 80640

ccgtcggaag cgggggggcga atgcatgccg cctcgggaca catcagcagc gcgccgagct 80700

tgtcggtcac ggccgggaag cagagcgcgt actgcagtgg cgttccatcc gggaccaaaa 80760

agctgggggc gaacggccta tccagcgtac tggtggcctc gcgcagcacc aggggccccg 80820

ggcctccgct cactcgcagg tacgcctcgc cccggcggcg cagcatctgc gggtcggcct 80880

cttggccggg tggggcggac gcccgggcgc gggcgtctag ggcgcgaaga tccacgagca 80940

ggggcgcggg cgcggccgcc gcgcccgcgc ccgtctggcc tgtggccttg gcgtacgcgc 81000

tatataagcc catgcggcgt tggatgagct cccgcgcgcc ccggaactcc tccaccgccc 81060

atggggccag gtccccggcc accgcgtcca attccgccaa caggcccccc agggtgtcaa 81120

agttcatctc ccaggccacc cttggcacca cctcgtcccg cagccgggcg ctcaggtcgg 81180

cgtgttgggc cacgcgcccc ccgagctcct ccacggcccc ggcccgctcg gcgctcttgg 81240

cgcccaggac gccctggtac ttggcgggaa ggcgctcgta gtcccgctgg gctcgcagcc 81300

ccgacacagt gttggtggtg tcctgcaggg cgcgaagctg ctcgcatgcc gcgcgaaatc 81360

cctcgggcga tttccaggcc cccccgcgaa cgcggccgaa gcgaccccat acctcgtccc 81420

actccgcctc ggcctcctcg aaagacctcc gcagggcctc gacgcggcga cgggtgtcga 81480

agagcgactg caggcgcgcg ccctgtcgcg tcaggaggcc cgggccgtcg ccgctggccg 81540

cgcttagcgg gtgcgtctca aaggtgcgct gggcatgttc caaccaggcg accgcctgca 81600

cgtcgagctc gcgcgccttc tccgtctggt ccaacagaat ctcgacctga tccgcgatct 81660

cctccgccga gcgcgcctgg tccagcgtct tggccacggt cgccgggacg gcaaccacct 81720

tcagcagggt cttcagattg gccagaccct cggcctcgag ctgggcccgg cgctcgcgcg 81780

cggccagcac ctcccgcaac cccgccgtga cccgctcggt ggcttcggcg cgctgctgtt 81840

tggcgcgcac cacggcgtcc ttggtatcgg ccaggtcctg tcgggtcacg aatgcgacgt 81900

agtcggcgta cgccgtgtcc ttcacggggc tctggtccac gcgctccagc gccgccacac 81960

acgccaccag cgcgtcctcg ctcgggcagg gcagggtgac ccctgcccgg acaagctcgg 82020

cggccgccgc cgggtcgttg cgcaccgcgg atatctcctc cgcggcggcg gccaggtcca 82080

gcgccacgct tccgatcgcg cgccgcgcgt cggcccggag ggcgtccagg cgatcgcgga 82140

tatccacgta ctcggcgtag ccctttttgaa aaaacggcac gtactggcgc agggccggca 82200

cgccccccaa gtcttccgac aggtgtagga cggcctcgtg gtagtcgata aacccgtcgt 82260

tcgcctgggc ccgctccagc agccccccg cgagccgcag aagccgcgcc aggggctcgg 82320

tgtccacccg aaacatgtcg gcgtacgtgt cggccgcggc cccgaaggcc gcgctccagt 82380

cgatgcggtg aatggctgcg agcgggggga gcatggggtg gcgctggttc tcgggggtgt 82440

atgggttaaa cgcaagggcc gtctccaggg caagggtcac cgccttggcg ttggttccca 82500

gcgcctgctc ggcccgcttt cggaagtccc gggggttgta gccgtgcgtg cccgccagcg 82560

cctgcaggcg acggagctcg accacgtcaa actcggcacc gctttccacg cggtccagca 82620

cggcctccac gtcggcggcc cagcgctcgt ggctactgcg ggcgcgctgg gccgccatct 82680

tctctctgag gtcggcggtg gcggcctcaa gttcgtcggc gcggcgtcgc gtggcgccga 82740

tgacctttcc cagctcctgc agggcgcgcc cgctggggga gtggtccccg gccgtccctt 82800

cggcgtgcaa caggcccccg aacctgccct cgtggcccgc gaggctttcc cgcgcgccgg 82860

tggtcgcgcg cgtcgcggcc tggatcaggg aggcatgctc tccctccggt tggttggcgg 82920

cccggcgcac ctggacgaca aggtcggcgg cagccgaccc taaggtcgtg agctgggcga 82980

tggcccccg cgcgtccagg gccaaccgag tcgccttgac gtatcccgcg gcgctgtcgg 83040

ccatggccgc taggaaggcc agggggggagg ccgggtcgct ggcggccgcg cccagggccg 83100

tcactgcgtc gaccaggacg cggtgcgccc gcacggccgc atccaccgtc gacgcggggt 83160

ctgccgtcgc gacggcggcg ctgccggcgt tgatggcgtt cgagacggcg tgggctatga 83220

tcggggcgtg atcggcgaag aactgcaaga gaaacggagt ctcgggggcg ttggcgaaca 83280

ggttcttcag caccaccacg aagctgggat gcaagccgga cagagccgtc gccgtgtccg 83340

gagtcgggtg ctccagggca tctcggtact gccccagcag cccccacatg tccgcccgca 83400

gcgccgccgt aacctccggg ggcgcccccc gaacggcctc ggggaggtcc gaccagcccg 83460

ccggcaggga ggcccgcagg gtcgtcagga cggccggaca ggcctttagc cccacaaagt 83520

cagggagggg ccgcaggacc ccctggagtt tgtgcaagaa cttctcccgg gcgtcgcggg 83580

ccaccttcgc ccgctcccgc gctccctcga gcattgcctc cagggagcgc gcgcgctccc 83640

gcaaacgggc acgcgcatcg ggggcgagct ctgccgtcag cttggcggca tccatggccc 83700

gcgcctgccg cagcgcttcc tcggccatgc gcgtggcctc tggcgacagc ccgccgtcgt 83760

cggggtaggg cgacgcgccg ggcgcaggaa caaaggccgc gtcgctgtcc agctgctggc 83820

ccagggccgc atctagggcg tcgaagcgcc gcagctcggc cagacccgag ctgcggcgcg 83880

cctgctggtc gttaatgtcg cggatgctgc gcgccagctc gtccagcggc ttgcgttcta 83940

tcagcccttg gttggcggcg tccgtcagga cggagagcca ggccgccagg tcctcggggg 84000

cgtccagcgt ctggccccgc tgtatcagat cccgcaacag gatggccgtg gggctggtcg 84060

cgatcggggg cggggcggga atggcggcgc tctgcgcgat gtcccgcgtg tgctggtcga 84120

agacaggcag ggactctagc agctggacca cgggcacgac ggcggccgaa gccacgtgaa 84180

accggcggtc gttgttgtcg ctggcctgca gagccttggc gctgtatacg gccccccggt 84240

aaaagtactc cttaaccgcg ccctcgatcg cccgacgggc ctgggtccgc acctcctcca 84300

gccgaacctg aacggcctcg gggcccaggg ggggtgggcg cggagccccc tgcggggccg 84360

ccccggccgg ggcgggcatt acgccgaggg gcccggcgtg ctgtgagacc gcgtcgaccc 84420

cgcgagcgag ggcgtcgagg gcctcgcgca tctggcgatc ctccgcctcc accctaatct 84480

cttcgccacg ggcaaatttg gccagagcct ggactctata cagaagcggt tctgggtgcg 84540

tcggggtggc gggggcaaaa agggtgtccg ggtgggcctg cgagcgctcc agaagccact 84600

cgccgaggcg tgtatacaga ttggccggcg gggccgcgcg aagctgcagc tccaggtccg 84660

cgagttcccc gtaaaaggcg tccgtctccc gaatgacatc cctagccaca aggatcagct 84720

tcgccagcgc caggcgaccg atcagagagt tttcgtccag cacgtgctgg acgaggggca 84780

gatgggcggc cacgtcggcc aggctcaggc gcgtggaggc cagaaagtcc cccacggccg 84840

ttttccgggg cagcatgctc agggtaaact ccagcagggc ggcggccggg ccggccaccc 84900

cggcctgggt gtgcgtccgg gccccgttct cgatgagaaa ggcgaggacg cgttcaaaga 84960

aaaaaataac acagagctcc agcagccccg gagaagccgg atacggcgac cgtaaggcgc 85020

tgatggtgag ccgcgaacac gcggcgacct cgcgggccag ggcggcggag cacgcggtga 85080

acttaaccgc cgtggcggcc acgtttgggt gggcctcgaa cagctgggca aggtctgcgc 85140

ccgggggctc gggtgagcgg cgagtcttca gcgcctcgag ggcctgcgag gacgccggaa 85200

ccgtgggccc gtcgtcctcg cccgcctcgg cgaccggcgg cccggccggg tcgggggggtg 85260

ccgaggcgag gacaggctcc ggaacggagg cggggaccgc ggccccgacg ggggttttgc 85320

ctttgggggt ggatttcttc ttggttttgg cagggggggc cgagcgtttc gttttctccc 85380

ccgaagtcag gtcttcgacg ctggaaggcg gagtccaggt gggtcggcgg cgcttgggaa 85440

ggccggccga gtagcgtgcc cggtgccgac caaccgggac gacgcccatc tccaggaccc 85500

gcatgtcgtc gtcatcttct tcggccgcct ctgcggcggg gggcttgggg gcggagggag 85560

gcggtggtgg gatcgcggag ggtgggtcgg cggaggggggg atccgtgggt ggggtaccct 85620

tcagggccac cgcccataca tcgtcgggcg cccgattcgg gcgcttggcc tctggttttg 85680

ccgacggacc ggccgtcccc cgggatgtct cggaggccct gtcgtcgcga cgggcccggg 85740

tcggtggcgg cgactgggcg gctgtgggcg ggtggggccc cgtgcccccc acccccctccc 85800

gggggcccac gccgacgcag ggctccccca ggcccgcgat ctcgccccgc agggggtgcg 85860

tgatggccac gcgccgttcg ctgaacgctt cgtcctgcag gtaagtctcg ctggccccgt 85920

aaagatgcag agccgcggcc gtcaagtccg caggagccgc gggttccggg cccgacggca 85980

cgaaaaacac catggctccc gcccaccgta cgtccgggcg atcgcgggtg taatacgtca 86040

ggtatggata catgtccccc gcccgcactt tggcgatgaa cgcgggggtg ccctccggaa 86100

ggccgtgcgg gtcaaaaagg tatgcggtgt cgccgtccct gaacagcccc atccctaggg 86160

ggccaatggt taggagcgtg tacgacaggg ggcgcagggc ccacgggccg gcgaagaacg 86220

tgtgtgcggg gcattgtgtc tccagcaggc ccgccgcggg ctccccgaag aagcccacct 86280

cgccgtatac gcgcgagaag acacagcgca gtccgccgcg cgcccctggg tactcgagga 86340

agttggggag ctcgacgatc gaacacatgc gcggcggccc agggcccgcg gtcgcgcgcg 86400

tccactcgcc cccctcgacc aaacaaccct cgatggcctc cgcggacaga acgtcgcgag 86460

ggcccacatc aaatatgagg ctgagaaagg acagcgacga gcgcatgcac gataccgacc 86520

cccccggctc caggtcgggc gcgaactggt tccgagcacc ggtgaccacg atgtcgcgat 86580

cccccccgcg ttccatcgtg gagtgcggtg gggtgcccgc gatcatatgt gccctactgg 86640

ccagagaccc ggcctgttta tggaccggac ccccggggtt agtgttgttt ccgccaccca 86700

tgcccccgta ccatggcccc ggttcccctg attaggctac gagtcgcggt gatcgcttcc 86760

caaaaaccga gctgcgtttg tctgtcttga tctttccccc ccccgcccgc ccgcccgccc 86820

gcacaccata acaccgagaa caacacacgg gggtgggcgt aacataataa agctttattg 86880

gtaactagtt aacggcaagt ccgtgggtgg cgcgacggtg tcctccgggc tcatctcgtc 86940

gtcctcgacg ggggtgttgg aatgaggcgc cccctcgcgg tccgcctggc gtgggccgtg 87000

cccataggcc tccggcttct gtgcgtccat gggcataggc gcggggagac tgtttccggc 87060

gtcgcggacc tccaggtccc tgggagactc cggtccggct aacggacgaa acgcggaagc 87120

gcgaaacacg ccgtcggtga cccgcaggag ctcgttcatc agtaaccaat ccatactcag 87180

cgtaacggcc agcccctggc gagacagatc cacggagtcc ggaaccgcgg tcgtctggcc 87240

caggggggccg aggctgtagt ccccccaggc ccctaggtcg cgacggctcg taagcacgac 87300

gcggtcggcc gcggggcttt gcgggggggc gtcctcgggc gcatgcgcca ttacctctcg 87360

gatggccgcg gcgcgctggt cggccgagct gaccaagggc gccacgacca cggcgcgctc 87420

cgtctgcagg cccttccacg tgtcgtggag ttcctggaca aactcggcca cgggctcggg 87480

tcccgcggcc gcgcgcgcgg cttgatagca ggccgagaga cgccgccagc gcgctagaaa 87540

ctgacccatg aagcaaaacc cggggacctg gtctcccgac agcagcttcg acgcccgggc 87600

gtgaatgccg gacacgacgg acagaaaccc gtgaatttcg cgccggacca cggccagcac 87660

gttgtcctcg tgcgacacct gggccgccag ctcgtcgcac acccccaggt gcgccgtggt 87720

ttcggtgatg acggaacgca ggctcgcgag ggacgcgacc agcgcgcgct tggcgtcgtg 87780

atacatgctg cagtactgac tcaccgcgtc ccccatggcc tcgggggggcc agggccccag 87840

gcggtcgggc gtgtccccga ccaccgcata caggcggcgc ccgtcgctct cgaaccgaca 87900

ctcgaaaaag gcggagagcg tgcgcatgtg cagccgcagc agcacgatgg cgtcctccag 87960

ttggcgaatc agggggtctg cgcgctcggc gaggtcctgc agcacccccc gggcggccag 88020

ggcgtacatg ctaatcaaca ggaggctggt gcccacctcg gggggcgggg ggggctgcag 88080

ctggaccagg ggccgcagct gctcgacggc acccctggag atcacgtaca gctcccggag 88140

cagctgctct atgttgtcgg ccatctgcat agtggggccg aggccgcccc gggcggccgg 88200

ttcgaggagg gtaatcagcg cgcccagttt ggtgcgatgg ccctcgaccg tggggagata 88260

gcccagccca aagtcccggg cccaggccaa cacacgcagg gcgaactcga ccgggcgtgg 88320

aaggtaggcc gcgctacacg tggccctcaa cgcgtccccg accaccaggg ccagaacgta 88380

ggggacgaag cccgggtcgg cgaggacgtt ggggtgaatg ccctcgaggg cggggaagcg 88440

gatctgggtc gccgcggcca ggtggacaga gggggcgtgg ctgggctgcc cgacggggag 88500

aagcgcggac agcggcgtgg ccggggtggt gggggtgatg tcccagtggg tctgaccata 88560

cacgtcgatc cagatgagcg ccgtctcgcg gagaaggctg ggttgaccgg aactaaagcg 88620

gcgctcggcc gtctcaaact cccccacgag cgcccgccgc aggctcgcca gatgttccgt 88680

cggcacggcc ggacccatga tacgcgccag cgtctggctc agaacgcccc ccgacaggcc 88740

gaccgcctcg cagagccgcc cgtgcgtgtg ctcgctggcg ccctggaccc gcctgaaagt 88800

ttttacgtag ttggcatagt acccgtattc ccgcgccaga ccaaacacgt tcgaccccgc 88860

gagggcaatg cacccaaaga gctgctggac ttcgccgagt ccgtggccgg cgggcgtccg 88920

cgcggggacg cccgccgcca gaaacccctc cagggccgaa aggtagtgcg tgcagtgcga 88980

gggcgtgaac ccagcgtcga tcagggtgtt gatcaccacg gagggcgaat tggtattctg 89040

gatcaacgtc cacgtctgct gcagcagagc cagcagccgc tgctgggcgc cggcggaggg 89100

ctgctccccg agctgcagca ggctggagac ggcaggctgg aagactgcca gtgccgacga 89160

actcaggaac ggcacgtcgg gatcaaacac ggccacgtcc gtccgcacgc gcgccattag 89220

cgtccccggg ggcgcacagg ccgagcgcgg gctgacgcgg ctgagggccg tcgacacgcg 89280

cacctcctcg cggctgcgaa ccatcttgtt ggcctccagt ggcggaatca ttatggccgg 89340

gtcgatctcc cgcacggtgt gctgaaactg cgccaacagg ggcggcggga ccacagcccc 89400

ccgctcgggg gtcgtcaggt actcgtccac cagggccaac gtaaagaggg cccgtgtgag 89460

gggagtgagg gtcgcgtcgt ctatgcgctg gaggtgcgcc gagaacagcg tcacccgatt 89520

actcaccagg gccaagaacc ggaggccctc ttgcacgaac ggggcgggga agagcaggct 89580

gtacgccggg gtggtaaggt tcgcgctggg ctgccccaac gggaccggcg ccatcttgag 89640

cgacgtctcc ccaagggcct cgatggaggt ccgcgggctc atggccaagc agctcttggt 89700

gacggtttgc cagcggtcta tccactccac ggcgcactgg cggacgcgga ccggccccag 89760

ggccgccgcg gtgcgcaggc cggcggaatc cagcgcatgg gacgtgtcgg agccggtgac 89820

cgcgaggatg gtgtccttga tgacctccat ctcccggaag gcctggtcgg gggcctcggg 89880

gagagccacc accaagcggt gtacgagcaa cccggggagg ttctcggcca agagcgccgt 89940

ctccggaagc ccgtgggccc ggtggagcgc gcacaggtgt tccagcagcg gccgccagca 90000

tgcccgcgcg tctgccgggg cgatggccgt tcccgacaac agaaacgccg ccatggcggc 90060

gcgcagcttg gccgtggcca gaaacgccgg gtcgtccgcc ccgtttgccg tctcggccgt 90120

gggggttggc ggttggcgaa ggccggctag gctcgccaat aggcgctgca taggtccgtc 90180

cgagggcgga ccggcgggtg aggtcgtgac gacgggggcc tcggacggga gaccgcggtc 90240

tgccatgacg cccggctcgc gtgggtgggg gacagcgtag accaacgacg agaccgggcg 90300

ggaatgactg tcgtgcgctg tagggagcgg cgaattatcg atcccctgcg gccctccagg 90360

aaccccgcag gcgttgcgag taccccgcgt cttcgcgggg tgttatacgg ccacttaagt 90420

cccggcatcc cgttcgcgga cccaggcccg ggggattgtc cggatgtgcg ggcagcccgg 90480

acggcgtggg ttgcggactt tctgcggggc ggcccaaatg gccctttaaa cgtgtgtata 90540

cggacgcgcc gggccagtcg gccaacacaa cccaccggag gcggtagccg cgtttggctg 90600

tggggtgggt ggttccgcct tgcgtgagtg tcctttcgac ccccccctcc cccgggtctt 90660

gctaggtcgc gatctgtggt cgcaatgaag accaatccgc tacccgcaac cccttccgtg 90720

tggggcggga gtaccgtgga actccccccc accacacgcg ataccgcggg gcagggcctg 90780

cttcggtgcg tcctgcgccc cccgatctct cgccgcgacg gcccagtgct ccccaggggg 90840

tcgggacccc ggagggcggc cagcacgctg tggttgcttg gcctggacgg cacagacgcg 90900

```
ccccctgggg cgctgacccc caacgacgat accgaacagg ccctggacaa gatcctgcgg    90960

ggcaccatgc gcgggggggc ggccctgatc ggctccccgc gccatcatct aacccgccaa    91020

gtgatcctga cggatctgtg ccaacccaac gcggatcgtg ccgggacgct gcttctggcg    91080

ctgcggcacc ccgccgacct gcctcacctg gcccaccagc gcgccccgcc aggccggcag    91140

accgagcggc tgggcgaggc ctggggccag ctgatggagg cgaccgccct ggggtcgggg    91200

cgagccgaga gcgggtgcac gcgcgcgggc ctcgtgtcgt ttaacttcct ggtggcggcg    91260

tgtgccgcct cgtacgacgc gcgcgacgcc gccgatgcgg tacgggccca cgtcacggcc    91320

aactaccgcg ggacgcgggt gggggcgcgc ctggatcgtt tttccgagtg tctgcgcgcc    91380

atggttcaca cgcacgtctt cccccacgag gtcatgcggt ttttcggggg gctggtgtcg    91440

tgggtcaccc aggacgagct agcgagcgtc accgccgtgt gcgccgggcc ccaggaggcg    91500

gcgcacaccg gccacccggg ccggccccgc tcggccgtga tcctcccggc gtgtgcgttc    91560

gtggacctgg acgccgagct ggggctgggg ggcccgggcg cggcgtttct gtacctggta    91620

ttcacttacc gccagcgccg ggaccaggag ctgtgttgtg tgtacgtgat caagagccag    91680

ctccccccgc gcgggttgga gccggccctg gagcggctgt ttgggcgcct ccggatcacc    91740

aacacgattc acggcaccga ggacatgacg cccccggccc caaaccgaaa ccccgacttc    91800

cccctcgcgg gcctggccgc caatccccaa accccgcgtt gctcggctgg ccaggtcacg    91860

aacccccagt tcgccgacag gctgtaccgc tggcagccgg accttcgggg gcgccccacc    91920

gcacgcacct gtacgtacgc cgcctttgca gagctcggca tgatgcccga ggatagtccc    91980

cgctgcctgc accgcaccga gcgctttggg gcggtcagcg tccccgttgt tattctggaa    92040

ggcgtggtgt ggcgccccgg cgagtggcgg gcatgcgcgt gagcgtagca aacgccccgc    92100

ccacacaacg ctccgccccc aacccccttcc ccgctgtcac tcgtggttcg ttgacccgga    92160

cgtccgccaa ataaagccac tgaaacccga aacgcgagtg ttgtaacgtc ctttgggcgg    92220

gaggaagcca caaaatgcaa atgggataca tggaaggaac acacccccgt gactcaggac    92280

atcggcgtgt ccttttgggt ttcactgaaa ctggcccgcg ccccacccct gcgcgatgtg    92340

gataaaaagc cagcgcgggt ggtttagggt accacaggtg ggtgctttgg aaacttgtcg    92400
```

gtcgccgtgc tcctgtgagc ttgcgtccct ccccggtttc ctttgcgctc ccgccttccg 92460

gacctgctct cgcctatctt ctttggctgt cggtgcgatt cgtcaggcag cggccttgtc 92520

gaatctcgac cccaccactc gccggacccg ccgacgtccc ctctggagcc cgccgaaacc 92580

cgccgcgtct gttgaaatgg ccagccgccc agccgcatcc tctcccgtcg aagcgcgggc 92640

cccggttggg ggacaggagg ccggcggccc cagcgcagcc acccaggggg aggccgccgg 92700

ggcccctctc gcccacggcc accacgtgta ctgccagcga gtcaatggcg tgatggtgct 92760

ttccgacaag acgcccgggt ccgcgtccta ccgcatcagc gatagcaact ttgtccaatg 92820

tggttccaac tgcaccatga ttatcgacgg agacgtggtg cgcgggcgcc cccaggaccc 92880

gggggccgcg gcatcccccg ctcccttcgt tgcggtgaca aacatcggag ccggcagcga 92940

cggcgggacc gccgtcgttg cattcggggg aaccccacgt cgctcggcgg ggacgtctac 93000

cggtacccag acggccgacg tcccagccga ggcccttggg ggccccccctc ctcctccccg 93060

cttcaccctg ggtggcggct gttgctcctg tcgcgacaca cggcgccgct ctgcggtatt 93120

cgggggggag ggggatcccg tcggccccgc ggagttcgtc tcggacgacc ggtcgtccga 93180

ttccgactcg gatgactcgg aggacaccga ctcggagacg ctgtcacacg cctcctcgga 93240

cgtgtccggc ggggccacgt acgacgacgc ccttgactcc gattcgtcat cggatgactc 93300

cctgcagata gatggccccg tgtgtcgccc gtggagcaat gacaccgcgc ccctggatgt 93360

ttgccccggg acccccggcc cgggcgccga cgccggtggt ccctcagcgg tagacccaca 93420

cgcgccgacg acaggggccg gcgctggtct tgcggccgat cccgccgtgg cccgggacga 93480

cgcggagggg ctttcggacc cccggccacg tctgggaacg ggcacggcct accccgtccc 93540

cctggaactc acgcccgaga acgcggaggc cgtggcgcgc tttctgggag atgccgtgaa 93600

ccgcgaaccc gcgctcatgc tggagtactt ttgccggtgc gcccgcgagg aaaccaagcg 93660

tgtccccccc aggacattct gcagcccccc tcgcctcacg gaggacgact ttgggcttct 93720

caactacgcg ctcgtggaga tgcagcgcct gtgtctggac gttcctccgg tcccgccgaa 93780

cgcatacatg ccctattatc tcagggagta tgtgacgcgg ctggtcaacg ggttcaagcc 93840

gctggtgagc cggtccgctc gcctttaccg catcctgggg gttctggtgc acctgcggat 93900

ccggacccgg gaggcctcct ttgaggagtg gctgcgatcc aaggaagtgg ccctggactt 93960

tggcctgacg gaaaggcttc gcgagcacga agcccagctg gtgatcctgg cccaggctct 94020

ggaccattac gactgtctga tccacagcac accgcacacg ctggtcgagc gggggctgca 94080

atcggccctg aagtatgagg agttttacct aaagcgcttt ggcgggcact acatggagtc 94140

cgtcttccag atgtacaccc gcatcgccgg ctttttggcc tgccgggcca cgcgcggcat 94200

gcgccacatc gccctggggc gagaggggtc gtggtgggaa atgttcaagt tctttttcca 94260

ccgcctctac gaccaccaga tcgtaccgtc gacccccgcc atgctgaacc tggggacccg 94320

caactactac acctccagct gctacctggt aaaccccccag gccaccacaa acaaggcgac 94380

cctgcgggcc atcaccagca acgtcagtgc catcctcgcc cgcaacgggg gcatcgggct 94440

atgcgtgcag gcgtttaacg actccggccc cgggaccgcc agcgtcatgc ccgccctcaa 94500

ggtcctcgac tcgctggtgg cggcgcacaa caaagagagc gcgcgtccga ccggcgcgtg 94560

cgtgtacctg gagccgtggc acaccgacgt gcgggccgtg ctccggatga agggggtcct 94620

cgccggcgaa gaggcccagc gctgcgacaa tatcttcagc gccctctgga tgccagacct 94680

gtttttcaag cgcctgattc gccacctgga cggcgagaag aacgtcacat ggaccctgtt 94740

cgaccgggac accagcatgt cgctcgccga ctttcacggg gaggagttcg agaagctcta 94800

ccagcacctc gaggtcatgg ggttcggcga gcagataccc atccaggagc tggcctatgg 94860

cattgtgcgc agtgcggcca cgaccgggag ccccttcgtc atgttcaaag acgcggtgaa 94920

ccgccactac atctacgaca cccaggggggc ggccatcgcc ggctccaacc tctgcaccga 94980

gatcgtccat ccggcctcca agcgatccag tggggtctgc aatctgggaa gcgtgaatct 95040

ggcccgatgc gtctccaggc agacgtttga ctttgggcgg ctccgcgacg ccgtgcaggc 95100

gtgcgtgctg atggtgaaca tcatgatcga cagcacgcta caacccacgc cccagtgcac 95160

ccgcggcaac gacaacctgc ggtccatggg aatcggcatg cagggcctgc acacggcctg 95220

cctgaagctg gggctggatc tggagtctgc cgaatttcag gacctgaaca aacacatcgc 95280

cgaggtgatg ctgctgtcgg cgatgaagac cagcaacgcg ctgtgcgttc gcggggcccg 95340

tcccttcaac cactttaagc gcagcatgta tcgcgccggc cgctttcact gggagcgctt 95400

tccggacgcc cggccgcggt acgagggcga gtgggagatg ctacgccaga gcatgatgaa 95460

acacggcctg cgcaacagcc agtttgtcgc gctgatgccc accgccgcct cggcgcagat 95520

ctcggacgtc agcgagggct ttgcccccct gttcaccaac ctgtttagca aggtgacccg 95580

ggacggcgag acgctgcgcc ccaacacgct cctgctaaag gaactggaac gcacgtttag 95640

cgggaagcgc ctcctggagg tgatggacag tctcgacgcc aagcagtggt ccgtggcgca 95700

ggcgctcccg tgcctggagc ccacccaccc cctccggcga ttcaagaccg cgtttgacta 95760

cgaccagaag ttgctgatcg acctgtgtgc ggaccgcgcc ccctacgtcg accatagcca 95820

atccatgacc ctgtatgtca cggagaaggc ggacgggacc ctcccagcct ccaccctggt 95880

ccgccttctg gtccacgcat ataagcgcgg actaaaaaca gggatgtact actgcaaggt 95940

tcgcaaggcg accaacagcg gggtctttgg cggcgacgac aacattgtct gcacgagctg 96000

cgcgctgtga ccgacaaacc ccctccgcgc caggcccgcc gccactgtcg tcgccgtccc 96060

acgcgctccc ccgctgccat ggattccgcg gccccagccc tctcccccgc tctgacggcc 96120

catacgggcc agagcgcgcc ggcggacctg gcgatccaga ttccaaagtg ccccgacccc 96180

gagaggtact tctacacctc ccagtgtccc gacattaacc acctgcgctc cctcagcatc 96240

cttaaccgct ggctggaaac cgagcttgtt ttcgtggggg acgaggagga cgtctccaag 96300

ctttccgagg gcgagctcag cttttaccgc ttcctcttcg ctttcctgtc ggccgccgac 96360

gacctggtta cggaaaacct gggcggcctc tccggcctgt ttgagcagaa ggacattctc 96420

cactactacg tggagcagga atgcatcgaa gtcgtacact cgcgcgtgta caacatcatc 96480

cagctggtgc tttttcacaa caacgaccag gcgcgccgcg agtacgtggc cggcaccatc 96540

aaccacccgg ccatccgcgc caaggtggac tggttggaag cgcgggtgcg ggaatgcgcc 96600

tccgttccgg aaaagttcat tctcatgatc ctcatcgagg gcatcttttt tgccgcctcg 96660

tttgccgcca tcgcctacct tcgcaccaac aaccttctgc gggtcacctg ccagtcaaac 96720

gacctcatca gccgggacga ggccgtgcac acgacggcct cgtgttacat ctacaacaac 96780

tacctcggcg ggcacgccaa gcccccgccc gaccgcgtgt acgggctgtt ccgccaggcg 96840

gtcgagatcg agatcggatt tatccgatcc caggcgccga cggacagcca tatcctgagc 96900

ccggcggcgc tggcggccat cgaaaactac gtgcgattca gcgcggatcg cctgttgggc 96960

cttatccaca tgaagccact gttttccgcc ccacccccg acgccagctt tccgctgagc 97020

ctcatgtcca ccgacaaaca caccaatttt ttcgagtgtc gcagcacctc ctacgccggg 97080

gcggtcgtca acgatctgtg agggtcgcgg cgcgcttcta cccgtgtttg cccataataa 97140

acctctgaac caaactttgg gtctcattgt gattcttgtc agggacgcgg gggtgggaga 97200

ggataaaagg cggcgcaaaa agcagtaacc aggtccggcc agattctgag ggcataggat 97260

accataattt tattggtggg tcgtttgttc ggggacaagc gcgctcgtct gacgtttggg 97320

ctactcgtcc cagaatttgg ccaggacgtc cttgtagaac gcgggtgggg gggcctgggt 97380

ccgcagctgc tccagaaacc tgtcggcgat atcaggggcc gtgatatgcc gggtcacgat 97440

agatcgcgcc aggttttcgt cgcggatgtc ctggtagata ggcaggcgtt tcagaagagt 97500

ccacggcccc cgctccttgg ggccgataag cgatatgacg tacttaatgt agcggtgttc 97560

caccagctcg gtgatggtca tgggatcggg gagccagtcc agggactctg gggcgtcgtg 97620

gatgacgtgg cgtcgccggc tggccacata actgcggtgc tcttccagca gctgcgcgtt 97680

cgggacctgg acgagctcgg gcggggtgag tatctccgag gaggacgacc tggggccggg 97740

gtggcccccg gtaacgtccc ggggatccag ggggaggtcc tcgtcgtctt cgtatccgcc 97800

ggcgatctgt tgggttagaa tttcggtcca cgagacgcgc gtctcggtgc cgccggtggc 97860

cggcggcaga gggggcctgg tttccgtgga gcgcgagctg gtgtgttccc ggcggatggc 97920

ccgccgggtc tgagagcgac tcgggggggt ccagtgacat tcgcgcagca catcctccac 97980

ggaggcgtag gtgttattgg gatggaggtc ggtgtggcag cggacaaaga gggccaggaa 98040

ctgggggtag ctcatcttaa agtacttcag tatatcgcga cagttgatcg tgggaatgta 98100

gcaggcgcta atatccaaca caatatcgca gcccatcaac aggaggtcag tgtccgtggt 98160

gtacacgtac gcgaccgtgt tggtgtgata gaggttggcg caggcatcgt ccgcctccag 98220

ctgacccgag ttaatgtagg cgtaccccag ggcccggaga acgcgaatac agaacagatg 98280

cgccagacgc agggccggct tcgagggcgc ggcggacggc agcgcggctc cggacccggc 98340

cgtcccccgg gtccccgagg ccagagaggt gccgcgtcgg cgcatgttgg aaaaggcaga 98400

gctgggtctg gagtcggtga tgggggaagg cggtggagag gcgtccacgt cactggcctc 98460

ctcgtccgtc cggcactggg ccgtcgtgcg ggccaggatg gccttggctc caaacacaac 98520

cggctccata caattgaccc cgcgatcggt aacgaagatg gggaaaaggg acttttgggt 98580

aaacaccttt aataagcgac agaggcagtg tagcgtaatg gcctcgcggt cgtaactggg 98640

gtatcggcgc tgatatttga ccaccaacgt gtacatgacg ttccacaggt ccacggcaat 98700

gggggtgaag tacccggccg gggccccaag gccccggcgc ttgaccagat ggtgtgtgtg 98760

ggcaaacttc atcatcccga acaaacccat gtcaggtcga ttgtaactgc ggatcggcct 98820

aactaaggcg tggttggtgc gacggtccgg gacacccgag cctgtctctc tgtgtatggt 98880

gacccagaca acaacaccga cacaagagga caataatccg ttaggggacg ctctttataa 98940

tttcgatggc ccaactccac gcggattggt gcagcaccct gcatgcgccg gtgcgggcca 99000

accttccccc cgctcattgc ctcttccaaa agggtgtggc ctaacgagct gggggcgtat 99060

ttaatcaggc tagcgcggcg ggcctgccgt agtttctggc tcggtgagcg acggtccggt 99120

tgcttgggtc ccctggctgc catcaaaacc ccaccctcgc agcggcatac gccccctccg 99180

cgtcccgcac ccgagacccc ggcccggctg ccctcaccac cgaagcccac ctcgtcactg 99240

tggggtgttc ccagcccgcg ttgggatgac ggattcccct ggcggtgtgg cccccgcctc 99300

ccacgtggag gacgcgtcgg acgcgtccct cgggcagccg gaggaggggg cgccctgcca 99360

ggtggtcctg cagggcgccg agcttaatgg aatcctacag gcgtttgccc cgctgcgcac 99420

gagccttctg gactcgcttc tggttatggg agaccggggc atccttatcc ataacacgat 99480

ctttggggag caggtgttcc tgcccctgga acactcgcaa ttcagtcggt atcgctggcg 99540

cggacccacg gcggcgttcc tgtctctcgt ggaccagaag cgctccctcc tgagcgtgtt 99600

tcgcgccaac cagtacccgg acctacgtcg ggtggagttg gcgatcacgg gccaggcccc 99660

gtttcgcacg ctggttcagc gcatatggac gacgacgtcc gacggcgagg ccgttgagct 99720

agccagcgag acgctgatga agcgcgaact gacgagcttt gtggtgctgg ttccccaggg 99780

aacccccgac gttcagttgc gcctgacgag gccgcagctc accaaggtcc ttaacgcgac 99840

cggggccgat agtgccacgc ccaccacgtt cgagctcggg gttaacggca aattttccgt 99900

gttcaccacg agtacctgcg tcacatttgc tgcccgcgag gagggcgtgt cgtccagcac 99960

cagcacccag gtccagatcc tgtccaacgc gctcaccaag gcgggccagg cggccgccaa 100020

cgccaagacg gtgtacgggg aaaataccca tcgtaccttc tctgtggtcg tcgacgattg 100080

cagcatgcgg gcggtgctcc ggcgactgca ggtcgccggg ggcaccctca agttcttcct 100140

cacgaccccc gtccccagtc tgtgcgtcac cgccaccggt cccaacgcgg tatcggcggt 100200

atttctcctg aaaccccaga agatttgcct ggactggctg ggtcatagcc aggggtctcc 100260

ttccgccggg agctcggcct cccgggcctc tgggagcgag ccaacagaca gccaggactc 100320

cgcgtcggac gcggtcagcc acggcgatcc ggaagacctc gatggcgctg cccgggcggg 100380

agaggcgggg gcctcgtacg cctgtccgat gccgtcgtcg accacgcggg tcactcccac 100440

gaccaagcgg gggcgctcgg ggggcgagga tgcgcacgcg gacacggccc taaagaaacc 100500

taagacgggg tcgcccaccg cacccccgcc cgcagatcca gtccccctgg acacggagga 100560

cgactccgat gcggcggacg ggacggcggc ccgtcccgcc gctccagacg cccgaagcgg 100620

aagccgttac gcgtgttact ttcgcgacct cccgaccgga gaagcaagcc ccggcgcctt 100680

ctccgccttc cgggggggcc cccaaacccc gtctggtttt ggattcccct gacggggcgg 100740

ggccttagcg gccgcccaac cctcgcaaca tcccggggtt aatgtaaata aacttggtat 100800

tgcccaacac tctcccgcgt gtcgcgtgtg gttcatgtgt gtgcctggcg cccccaccct 100860

cgggttcgtg tatttccttt ccctgtcctt ataaaagccg tatgtggggc gctgacggaa 100920

ccaccccgcg tgccatcacg gccaaggcgc gggatgctcc gcaacgacag ccaccgggcc 100980

gcgtccccgg aggacggcca gggacgggtc gacgacggac ggccacacct cgcgtgcgtg 101040

ggggccctgg cgcgggggtt catgcatatc tggcttcagg ccgccacgct gggttttgcg 101100

ggatcggtcg ttatgtcgcg cgggccgtac gcgaatgccg cgtctggggc gttcgccgtc 101160

gggtgcgccg tgctgggctt tatgcgcgcg ccccctcccc tcgcgcggcc caccgcgcgg 101220

atatacgcct ggctcaaact ggcggccggt ggagcggccc ttgttctgtg gagtctcggg 101280

gagcccggca cgcagccggg ggccctggcc ccgggcccgg ccacccagtg cctggcgctg 101340

ggcgccgcct atgcggcgct cctggtgctc gccgatgacg tctatccgct ctttctcctc 101400

gccccggggc ccctgttcgt cggcaccctg gggatggtcg tcggcgggct gacgatcgga 101460

ggcagcgcgc gctactggtg gatcggtggg cccgccgcgg ccgccctggc cgcggcggtg 101520

ttggcgggcc cgggggcgac caccgccagg gactgcttct ccagggcgtg ccccgaccac 101580

cgccgcgtct gcgtcatcgt cgcaggcgag tctgtttccc gccgcccccc ggaggaccca 101640

gagcgacccg gggacccagg gccaccgtcc cccccgacac cccaacgatc ccaggggccg 101700

ccggccgatg aggtcgcacc ggccggggta gcgcggcccg aaaacgtctg ggtgcccgtg 101760

gtcacctttc tgggggctgg cgcgctcgcc gtcaagacgg tgcgagaaca tgcccgggga 101820

acgccgggcc cgggcctgcc gctgtggccc caggtgtttc tcggaggcca tgtggcggtg 101880

gccctgacgg agctgtgtca ggcgcttgcg ccctgggacc ttacggaccc gctgctgttt 101940

gttcacgccg gactgcaggt catcaacctc gggttggtgt ttcggttttc cgaggttgtc 102000

gtgtatgcgg cgctaggggg tgccgtgtgg atttcgttgg cgcaggtgct ggggctccgg 102060

cgtcgcctgc acaggaagga ccccggggac ggggcccggt tggcggcgac gcttcggggc 102120

ctcttcttct ccgtgtacgc gctggggttt ggggtggggg cgctgctgtg ccctccgggg 102180

tcaacgggcg ggcggtcggg cgattgatat atttttcaat aaaaggcatt agtcccgaag 102240

accgccggtg tgtgatgatt tcgccataac acccaaaccc cggatggggc ccgggtataa 102300

attccggaag gggacacggg ctaccttcac taccgagggc gcttggtcgg gaggccgcat 102360

cgaacgcaca cccccatccg gtggtccgtg tggaggtcgt ttttcagtgc ccggtctcgc 102420

tttgccggga acgctagccg atccctcgcg agggggaggc gtcgggcatg gccccggggc 102480

gggtgggcct tgccgtggtc ctgtggagcc tggtgtggct cggggcgggg gtgtccgggg 102540

gctcggaaac tgcctccacc gggcccacga tcaccgcggg agcggtgacg aacgcgagcg 102600

aggcccccac atcggggtcc cccgggtcag ccgccagccc ggaggtcacc cccacatcga 102660

ccccaaaccc caacaatgtc acacaaaacc aaaccacccc caccgagccg gccagccccc 102720

caacaacccc caagcccacc tccacaccca aaagcccccc cacgtccacc cccgacccca 102780

aacccaagaa caacaccacc cccgccaagt cggaccgccc cactaaaccc cccgggcccg 102840

tgtggtgcga ccgccgcgat ttattggccc ggtacggctc gcgggtgcag atccgatgcc 102900

ggtttcggaa ttccacccgc atggagttcc gcctccagat atggcgttac tccatgggtc 102960

cgtccccccc aatcgctccg gctcccgacc tagaggaggt cctgacgaac atcaccgccc 103020

cacccggggg actcctggtg tacgacagcg cccccaacct aacggacccc cacgtgctct 103080

gggcggaggg ggccggcccg ggcgccgacc ctccgttgta ttctgtcacc gggccgctgc 103140

cgacccagcg gctgattatc ggcgaggtga cgcccgcgac ccagggaatg tattacttgg 103200

cctggggccg gatggacagc ccgcacgagt acgggacgtg ggtgcgcgtc cgcatgttcc 103260

gccccccgtc tctgaccctc cagccccacg cggtgatgga gggtcagccg ttcaaggcga 103320

cgtgcacggc cgccgcctac tacccgcgta accccgtgga gtttgtctgg ttcgaggacg 103380

accaccaggt gtttaacccg ggccagatcg acacgcagac gcacgagcac cccgacgggt 103440

tcaccacagt ctctaccgtg acctccgagg ctgtcggcgg ccaggtcccc ccgcggacct 103500

tcacctgcca gatgacgtgg caccgcgact ccgtgacgtt ctcgcgacgc aatgccaccg 103560

ggctggccct ggtgctgccg cggccaacca tcaccatgga atttggggtc cggcatgtgg 103620

tctgcacggc cggctgcgtc cccgagggcg tgacgtttgc ctggttcctg ggggacgacc 103680

cctcaccggc ggctaagtcg gccgttacgg cccaggagtc gtgcgaccgc cccgggctgg 103740

ctacggtccg gtccaccctg cccatttcgt acgactacag cgagtacatc tgtcggttga 103800

ccggatatcc ggccgggatt cccgttctag agcaccacgg cagtcaccag cccccaccca 103860

gggaccccac cgagcggcag gtgatcgagg cgatcgagtg ggtggggatt ggaatcgggg 103920

ttctcgcggc gggggtcctg gtcgtaacgg caatcgtgta cgtcgtccgc acatcacagt 103980

cgcggcagcg tcatcggcgg taacgcgaga ccccccccgtt accttttttaa tatctatata 104040

gtttggtccc cctctatccc gcccaccgct gggcgctata aagccgccac cctctcttcc 104100

ctcaggtcat ccttggtcga tcccgaacga cacacggcgt ggagcaaaac gcctcccccct 104160

gagccgcttt cctaccagcg caacggcatg cctctgcggg catcggaaca cgcctaccgg 104220

cccctgggcc ccgggacacc ccccatgcgg gctcggctcc ccgccgcggc ctgggttggc 104280

gtcgggacca tcatcggggg agttgtgatc attgccgcgt tggtcctcgt gccctcgcgg 104340

gcctcgtggg cactttcccc atgcgacagc ggatggcacg agttcaacct cgggtgcata 104400

tcctgggatc cgacccccat ggagcacgag caggcggtcg gcggctgtag cgccccggcg 104460

accctgatcc cccgcgcggc tgccaaacag ctggccgccg tcgcacgcgt ccagtcggca 104520

agatcctcgg gctactggtg ggtgagcgga gacggcattc gggcctgcct gcggctcgtc 104580

gacggcgtcg gcggtattga ccagttttgc gaggagcccg cccttcgcat atgctactat 104640

ccccgcagtc ccgggggctt tgttcagttt gtaacttcga cccgcaacgc gctggggctg 104700

ccgtgaggcg cgtgtactgc ggtctgtctc gtctcctctt ctccccttcc ctccccctcc 104760

gcatcccagg atcacaccgg ccaacgaggg ttggggggtc cggcacggac ccaaaataat 104820

aaacacacaa tcacgtgcga taaaaagaac acgcggtccc ctgtggtgtt tttggttatt 104880

tttattaaat ctcgtcgtca aacaggggga aaggggcgtg gtctagcgac ggcagcacgg 104940

gtggaggcgt tcaccggctc cggcgtcctt cgcgtttaag cttggtcagg agggcgctca 105000

gggcggcgac gttggtcggg ccgtcgttgg tcagggcgtt ggctcgatgg cgggcgagga 105060

cgggcgaggg gctcaacggc gggggcgggg gcccggtgcg gcccgggggg gaaaataggg 105120

cggatccccc ccagtcgtac aggggatttt ccgcctcaat gtacggggag gccggcgctg 105180

cattcgccgt gttcgcgcag acgttttcgt agacccgcat ccatggtatt tcctcgtaga 105240

cacgcccccc gtcctcgctc acagtctcgt atattgactc gtcgtcctcg taggggcgt 105300

gccgttcgcg ggccgaggcg gcgtgggtgg ctttgcggcg ggcgtcgtcg tcgtcgtcgg 105360

ccgtcagata cgtggcttcc atctggtcgg gttctccctc cggggcgggt ccccaccccc 105420

gtggccgatc gaggctcccc agagacgcgc gccggacgag gaggggcac gtcgccgccg 105480

gcggtcgcct gtcgggtccc gcgacgttac gggccgggag gcgcgggggc acctccccca 105540

tgtgcgtgta atacgtggcc ggctgtgcgg ccgcagcggg gggctcggcg accgggtcgt 105600

ccgcatccgg aagcgggggc gccgcgccgt ccgcgcggcg cctccggaac cgccgggtgg 105660

ccgcgggggt cgagtgtagg cgaggtcggg ggaggggcgg gggctcgttg tcgcgccgcg 105720

cccgctgaat cttttcccga caggtcccac cccccgcgcg atgccccccc gggccgcggg 105780

ccatgtcgtc cgggggaggc cccgcggacc acgtcgtccg gcgagacgcc acgagccgca 105840

ggatggactc gtagtggagc gacggcgccc cgctgcggag cagatccgcg gccagggcgg 105900

ccccgaacca agccttgatg ctcaactcca tccgggccca gctgggggcg gtcatcgtgg 105960

ggaacagggg ggcggtggtc cgacagaaac gctcctggct gtccaccgcg gcccgcagat 106020

actcgttgtt caggctgtcg gtggcccaga cgccgtaccc ggtgagggtc gcgttgatga 106080

tatactgggc gtggtgatgg acgatcgaca gaacctccac cgtggatacg acggtatcca 106140

cggtcccgta cgtaccgccg ctccgcttgc cggtctgcca caggttggct aggcgcgtca 106200

ggtggcccag gacgtcgctg accgccgccc tgagcgccat gcactgcatg gagccggtcg 106260

tgccgctggg accccggtcc agatggcgcg cgaacgtttc cgcgggcgcc tccgggctgc 106320

cgccgagcgg gaggaaccgg cgattggagg gactcagccg gtggcatacg tgcttgtctg 106380

tcgtccacag catccaggac gcccaccggt acagcacgga gacgtaggcc aggagctcgt 106440

tgagccgcag tgcggtgtcg gtgctggggc ggcttgggtc cgccgggcgc ataaagaaca 106500

tgtactgctg aatccgatgg agggcgtcgc gcaggccggc cacggtggcg gcgtacttgg 106560

ccgccgcggc cccgctcttg aacggggtgc gcgccagcag ctttggcgcc agggtgggcc 106620

gcagcagcac gtgaaggctg gggtcgcagt cgcccacggg gtcctcgggg acgtccaggc 106680

cgctgggcac caccgtctgc aggtacttcc agtactgcgt gaggatggcg cggctcaact 106740

ggccgccggt gagctccacc tcgcccagcg cctgggtggc ggccgaagcg tagtgccgga 106800

tgtactcgta gtgcgggtcg ctggcgagcc cgtccacgat caaactctcg ggaaccgtgt 106860

tgtgttgccg cgcggccaac cggacgctgc gatcggtgca ggtcagaaac gccggctgcg 106920

cgtcgtcgga gcgctgccgc aaggcgccca cggccgcgct aaggagcccc tccggggtgg 106980

ggagcagaca cccgccgaag atgcgccgct cgggaacgcc cgcgttgtcg ccgcggatca 107040

ggttggcagg cgtcaggcac cgcgccagcc gcagggagct cgcgccgcgc gtccggcgct 107100

gcatggtgac gcccgttcgg tcgggacccg ccggtcggag ttatgccgcg tccagggcca 107160

tcggggcgct ttttatcggg aggagcttat gggcgtggcg ggcctcccag cccggtcgcg 107220

cgcctccccg acacgtgcgc ccgcagggcg gcggcccccc cgtctcccat cagcagtttc 107280

ctaaactggg acatgatgtc caccacgcgg acccgcgggc ccaacacgga cccgccgctt 107340

acgggggcgg gggggaaggg ctccaggtcc ttgagaagaa aggcggggtc tgccgtcccg 107400

gacacggggg cccggggcgc tgaggaggcg gggcgcagat ccacgtgctc cgcggccgcg 107460

cggacgtccg cccagaactt ggcgggggtg gtgcgcgcgt acaggggctg ggtcgctcgg 107520

aggacgcacg cgtagcgcag gggggtgtac gtgcccacct cgggggccgt gaatcccccg 107580

tcaaacgcgg ccagtgtcac gcacgccacc acggtgtcgg caaagcccag cagccgctgc 107640

aggacgagcc cggcggccag aatggcgcgc gtggccgccg cgtcgtcccg gcgccggtgc 107700

gcgtccccgc acgcccgggc gtactttaag gtcacggtcg ccagggccgt gtgcagcgcg 107760

tacaccgcag cgcccagcac ggcgttgagc ccgctgttgg cgagcagccg gcgcgctgcg 107820

gtgtcgccca gcgcctcgtg ctcggccccc acgaccgcgg ggcttcccag gggcagggcg 107880

cgaaacagct cctcccgcgc cacgtccgca aaggcggggt ggtgcacgtg cgggtgcagg 107940

cgcgccccca cgaccaccga gagccactgg accgtctgct ccgccatcac cgccagcaca 108000

tccagcacgc gccccaggaa ggcggcctcc cgcgtcaaaa cgcaccggac ggcgtcggga 108060

ttgaagcggg cgagcagggc cccggtggcc aggtacgtca tgcggccggc atagcgggcg 108120

gccacgcgac agtcgcggtc cagcagcgcg cgcaccccgg gccagtacag cagggacccc 108180

agcgagctgc gaaacaccgc ggcgtcgggg ccggattggg gggacactaa ccccccgcg 108240

ctcagtaacg gcacggccgc ggccccgacg ggacgcaacg ccgtgaggct cgcgaactgc 108300

cgcctcagct cggcagccct gtcgtccagg tccgacccgc gcgcctctgc gtgaaggcgc 108360

gtcccgcaca cccacccgtt gatggccagc cgcacgacgg catccgccaa aaagctcatc 108420

gcctgggcgg ggctggtttt tgttcgacga tccgtcaggt caagaatccc atcgcccgtg 108480

atataccagg ccaacgcctc gccctgctgc agggtttggc ggaaaaacac cgcggggttg 108540

tcgggggagg cgaagtgcat gacccccacg cgcgataacc cgaacgcgct atccggacac 108600

gggtaaaacc cggccggatg ccccagggct agggcggagc gcacggactc gtcccacacg 108660

gcaacctgag gggccagtcg atccaacggg aatgccgccc ggagctccgg gcccggcacg 108720

cgtccctcca gaacctccac cttgggcggg gaacgggccc cgccgccgtc ctccggcccg 108780

acgtcttccg ggtagtcgtc ctcctcgtac tgcagctcct ctaggaacag cggcgacggc 108840

gccacccgcg aaccgccgac ccgccccaaa atagcccgcg cgtcgacggg acccaggtat 108900

cccccctgcc gggcctgcgg aggaccgcgg ggaacctcat catcatcgtc caggcgaccg 108960

cgcaccgact ggctacgggc cgcatcgggc ccggggcgct gccgggacgc tcggcgatgg 109020

gatgtgggcg gggcttccga cgcgcgccgt cgtcgggctc gcgggccttc ccgtcgacgg 109080

cgcacgggcg gctcgtcgcc cgccatctcc tccagagcct ctagctcgct gtcgtcatcc 109140

ccgcggaaca ccgcacgcag gtaccccatg aaccccaccc catcgcccgc tggctcgtcc 109200

gccacgggcg aggcgcgggg gcgggtggat gcgcgcctcc tacgccccgc gggttcgcga 109260

gccgacatgg tggcgataga cgcgggttat cggatgtccg ctacccccca aaaaagaaaa 109320

agaccccaca gcgcggatgg aggccggggt aggtgccgcc ggacccccctc gcgatgggaa 109380

tggacgggag cgacggggcc ggcgcaaaaa acgcagtatc tcccgcgaag gctacccgcc 109440

gccccagccc ccggccaaat gcggaaacgg tcccgcgctc tcgcctttat acgcgggccg 109500

ccctgcgaca caatcacccg tccgtggttt cgaatctaca cgacaggccc gcagacgcgg 109560

ctaacacaca cgccggcaac ccagacccca gtgggttggt tgcgcggtcc cgtctcctgg 109620

ctagttcttt tccccaccac caaataatca gacgacaacc gcaggttttt gtaatgtatg 109680

tgctcgtgtt tattgtggat acgaaccggg gacgggaggg gaaaacccag acgggggatg 109740

cgggtccggt cgcgcccccct acccaccgta ctcgtcaatt ccaagggcat cggtaaacat 109800

ctgctcaaac tcgaagtcgg ccatatccag agcgccgtag ggggcggagt cgtgggggggt 109860

aaatcccgga cccggggaat ccccgtcccc caacatgtcc agatcgaaat cgtctagcgc 109920

gtcggcatgc gccatcgcca cgtcctcgcc gtctaagtgg agctcgtccc ccaggctgac 109980

atcggtcggg ggggccgtcg acagtctgcg cgtgtgtccc gcggggagaa aggacaggcg 110040

cggagccgcc agccccgcct cttcgggggc gtcgtcgtcc gggagatcga gcaggccctc 110100

gatggtagac ccgtaattgt ttttcgtacg cgcgcggctg tacgcgtgtt cccgcatgac 110160

cgcctcggag ggcgaggtcg tgaagctgga atacgagtcc aacttcgccc gaatcaacac 110220

cataaagtac ccagaggcgc gggcctggtt gccatgcagg gtgggagggg tcgtcaacgg 110280

cgcccctggc tcctccgtag ccgcgctgcg caccagcggg aggttaaggt gctcgcgaat 110340

gtggtttagc tcccgcagcc ggcgggcctc gattggcact ccccggacgg tgagcgctcc 110400

gttgacgaac atgaagggct ggaacagacc cgccaactga cgccagctct ccaggtcgca 110460

acagaggcag tcaaacaggt cgggccgcat catctgctcg gcgtacgcgg cccataggat 110520

ctcgcgggtc aaaaatagat acaaatgcaa aaacagaaca cgcgccagac gagcggtctc 110580

tcggtagtac ctgtccgtga tcgtggcgcg cagcatttct cccaggtcgc gatcgcgtcc 110640

gcgcatgtgc gcctggcggt gcagctgccg gacgctggcg cgcaggtacc ggtacagggc 110700

cgagcagaag ttggccaaca cggttcgata gctctcctcc cgcgcccgta gctcggcgtg 110760

gaagaaacga gagagcgctt cgtagtagag cccgaggccg tcgcgggtgg ccggaagcgt 110820

cgggaaggcc acgtcgccgt gggcgcgaat gtcgatttgg gcgcgttcgg ggacgtacgc 110880

gtccccccat tccaccacat cgctgggcag cgttgatagg aatttacact cccggtacag 110940

gtcggcgttg gtcggtaacg ccgaaaacaa atcctcgttc caggtatcga gcatggtaca 111000

tagcgcgggg cccgcgctaa agcccaagtc gtcgaggaga cggttaaaga gggcggcggg 111060

ggggacgggc atgggcgggg agggcatgag ctgggcctgg ctcaggcgcc ccgttgcgta 111120

cagcggaggg gccgccgggg tgtttttggg acccccggcc gggcgggggg gtggtggcga 111180

agcgccgtcc gcgtccatgt cggcaaacag ctcgtcgacc aagaggtcca ttgggtgggg 111240

ttgatacggg aaagacgata tcgggctttt gatgcgatcg tccccgcccg cccagagagt 111300

gtgggacgcc cgacggcgcg ggaagagaaa aacccccaaa cgcgttagag gaccggacgg 111360

accttatggg gggaagtggg cagcgggaac cccgtccgtt cccgaggaat gacagcccgt 111420

ggtcgccacc ccgcatttaa gcaacccgca cgggccgccc cgtacctcgt gacttccccc 111480

cacattggct cctgtcacgt gaaggcgaac cgagggcggc tgtccaaccc acccccgcc 111540

acccagtcac ggtccccgtc ggattgggaa acaaaggcac gcaacgccaa caccgaatga 111600

acccctgttg gtgctttatt gtctgggtac ggaagttttt cactcgacgg gccgtctggg 111660

gcgagaagcg gagcgggctg gggctcgagg tcgctcggtg gggcgcgacg ccgcagaacg 111720

ccctcgagtc gccgtggccg cgtcgacgtc ctgcaccacg tctggattca ccaactcgtt 111780

ggcgcgctga agcaggtttt tgccctcgca gaccgtcacg cggatggtgg tgatgccaag 111840

gagttcgttg aggtcttcgt ctgtgcgcgg acgcgacatg tcccagagct ggaccgccgc 111900

catccgggca tgcatggccg ccaggcgccc gaccgcggcg cagaagacgc gcttgttaaa 111960

gccggccacc cgggggggtcc atggcgcgtc ggggtttggg ggggcggtgc taaagtgcag 112020

ctttctggcc agcccctgcg cgggtgtctt ggatcgggtt ggcgccgtcg acgcgggggc 112080

gtctgggagt gcggcggatt ctggctgggc cgatttcctg ccgcgggtgg tctccgccgc 112140

cggggccgcg ggggccttag tcgccacccg ctgggttcgg ggggcccggg gggcggtggt 112200

gggtgtgcgt ccggcccctc cggacccagc gggcggcgga ggcgcccgcg caggccccgg 112260

gccggacaaa accgccccgg aaacgggacg ccgcgtccgg gggacctccg ggtgttcgtc 112320

gtcttcggat gacgagcccc cgtagagggc ataatccgac tcgtcgtact ggacgaaacg 112380

gacctcgccc ctcgggcgcg cgcgtgtctg tagggcgcca cggcgggagg tggcaggcgg 112440

actatcggga ctcgccatac atgaagacgg ggtgtagtac agatcctcgt actcatcgcg 112500

cggaacctcc cgcggacccg acttcacgga gcggcgagag gtcatggttc cacgaacacg 112560

ctagggtcgg atgcgcggac aattaggcct gggttcggac ggcgggggggt ggtgcaggtg 112620

tggagaggtc gagcgatagg ggcggcccgg gagagaagag agggtccgca aaacccactg 112680

gggatgcgtg agtggccctc tgtgggcggt gggggagagt cttataggaa gtgcatataa 112740

ccacaaccca tgggtctaac caatccccag gggccaagaa acagacacgc cccaaacggt 112800

ctcggtttcc gcgaagaagg ggaagtcctg ggacaccctc cacccccacc cctcacccca 112860

cacagggcgg gttcaggcgt gcccggcagc cagtagcctc tggcagatct gacagacgtg 112920

tgcgataata cacacgccca tcgaggccat gcctacataa aagggcacca gggcccccgg 112980

ggcagacatt tggccagcgt tttgggtctc gcaccgcgcg cccccgatcc catcgcgccc 113040

gccctcctcg ccgggcggct ccccgtgcgg gcccgcgtct cccgccgcta aggcgacgag 113100

caagacaaac aacaggcccg cccgacagac ccttctgggg gggcccatcg tccctaacag 113160

gaagatgagt cagtggggat ccggggcgat ccttgtccag ccggacagct tgggtcgggg 113220

gtacgatggc gactggcaca cggccgtcgc tactcgcggg ggcggagtcg tgcaactgaa 113280

cctggtcaac aggcgcgcgg tggcttttat gccgaaggtc agcggggact ccggatgggc 113340

cgtcgggcgc gtctctctgg acctgcgaat ggctatgccg gctgactttt gtgcgattat 113400

tcacgccccc gcgctatcca gcccagggca ccacgtaata ctgggtctta tcgactcggg 113460

gtaccgcgga accgttatgg ccgtggtcgt agcgcctaaa aggacgcggg aatttgcccc 113520

cgggaccctg cgggtcgacg tgacgttcct ggacatcctg gcgccccccc cggccctcac 113580

caagccgatt tccctgcggc agttcccgca actggcgccc ccccctccaa ccggggccgg 113640

gatacgcgca gatccttggt tggagggggc gctcggggac ccaagcgtga ctccggccct 113700

accggcgcga cgccgagggc ggtccctcgt ctatgccggc gagctgacgc cggttcagac 113760

ggaacacggg gacggcgtac gagaagccat cgccttcctt ccaaaacgcg aggaggatgc 113820

cggtttcgac attgtcgtcc gtcgcccggt caccgtcccg gcaaacggca ccacggtcgt 113880

gcagccatcc ctccgcatgc tccacgcgga cgccgggccc gcggcctgtt atgtgttggg 113940

gcggtcgtcg ctcaacgccc gcggcctcct ggtcgttcct acgcgctggc tccccgggca 114000

cgtatgtgcg tttgttgttt acaaccttac gggggttcct gtgaccctcg aggccggcgc 114060

caaggtcgcc cagctcctgg ttgcgggggc ggacgctctt ccttggatcc ccccggacaa 114120

ctttcacggg accaaagcgc ttcgaaacta ccccaggggt gttccggact caaccgccga 114180

acccaggaac ccgccgctct tggtgtttac gaacgagttt gacgcggagg ccccccgag 114240

cgagcgcggg accgggggtt ttggctctac cggtatttag cccatagctt ggggttcgtt 114300

ccgggcaata aaaaacgttt gtatctcatc tttcctgtgt gtagttgttt ctgttggagg 114360

cctgtgggtc tatcacaccc gcccctccat cccacaaaca cagaacacac gggttggatg 114420

aaaacacgca tttattgacc caaaacacac ggagctgctc gagatgggcc agggcgaggt 114480

gcggttgggg aggctgtagg tctgggaacg gacacgcggg gacacgattc cggtttgggg 114540

tccgggaggg cgtcgccgtt tcgggcggca ggcgccagcg taacctccgg gggcggcgtg 114600

tgggggtgcc ccaaggaggg cgcctcggtc accccaagcc cccccaagcg ggttcccccg 114660

gcaaccccga aggcggagag gccaagggcc cgttcggcga tggccacatc ctccatgacc 114720

acgtcgctct cggccatgct ccgaatagcc tgggagacga gcacatccgc ggacttgtca 114780

gccgccccca cggacatgta catctgcagg atggtggcca tacacgtgtc cgccaggcgc 114840

cgcatcttgt cctgatgggc cgccacggcc ccgtcgatcg tgggggcctc gagcccgggg 114900

tggtggcgcg ccagtcgttc taggttcacc atgcaggcgt ggtacgtgcg ggccaaggcg 114960

cgggccttca cgaggcgtcg ggtgtcgtcc agggacccca gggcgtcatc gagcgtgatg 115020

ggggcgggaa gtagcgcgtt aacgaccacc agggcctcct gcagccgcgg ctccgcctcc 115080

gagggcggaa cggccgcgcg gatcatctca tattgttcct cggggcgcgc tccccagcca 115140

catatagccc cgagaagaga agccatcgcg ggcgggtact ggcccttggg cgcgcggacg 115200

caatggggca ggaagacggg aaccgcgggg agaggcgggc ggccgggact cccgtggagg 115260

tgaccgcgct ttatgctacc gacgggtgcg ttattacctc ttcgatcgcc ctcctcacaa 115320

actctctact gggggccgag ccggtttata tattcagcta cgacgcatac acgcacgatg 115380

gccgtgccga cgggcccacg gagcaagaca ggttcgaaga gagtcgggcg ctctaccaag 115440

cgtcgggcgg gctaaatggc gactccttcc gagtaacctt ttgtttattg gggacggaag 115500

tgggtgggac ccaccaggcc cgcgggcgaa cccgacccat gttcgtctgt cgcttcgagc 115560

gagcggacga cgtcgccgcg ctacaggacg ccctggcgca cgggaccccg ctacaaccgg 115620

accacatcgc cgccaccctg gacgcggagg ccacgttcgc gctgcatgcg aacatgatcc 115680

tggctctcac cgtggccatc aacaacgcca gcccccgcac cggacgcgac gccgccgcgg 115740

cgcagtatga tcagggcgcg tccctacgct cgctcgtggg gcgcacgtcc ctgggacaac 115800

gcggccttac cacgctatac gtccaccacg aggcgcgcgt gctggccgcg taccgcaggg 115860

cgtattatgg aagcgcgcag agtcccttct ggtttcttag caaattcggg ccggacgaaa 115920

aaagcctggt gctcaccact cggtactacc tgcttcaggc ccagcgtctg gggggcgcgg 115980

gggccacgta cgacctgcag gccatcaagg acatctgcgc cacctacgcg attccccacg 116040

ccccccgccc cgacaccgtc agcgccgcgt ccctgacctc gtttgccgcc atcacgcggt 116100

tctgttgcac gagccagtac gcccgcgggg ccgcggcggc cgggtttccg ctttacgtgg 116160

agcgccgtat tgcggccgac gtccgcgaga ccagtgcgct ggagaagttc ataacccacg 116220

atcgcagttg cctgcgcgtg tccgaccgtg aattcattac gtacatttac ctggcccatt 116280

ttgagtgttt cagcccccg cgcctagcca cgcatcttcg ggccgtgacg acccacgacc 116340

ccaaccccgc ggccaacacg gagcagccct cgcccctggg cagggaggcc gtggaacaat 116400

tttttgcca cgtgcgcgcc caactgaata tcggggagta cgtcaaacac aacgtgaccc 116460

cccgggagac cgtcctggat ggcgatacgg ccaaggccta cctgcgcgct cgcacgtacg 116520

cgcccggggc cctgacgccc gcccccgcgt attgcggggc cgtggactcc gccaccaaaa 116580

tgatggggcg tttggcggac gccgaaaagc tcctggtccc ccgcgggtgg cccgcgtttg 116640

cgcccgccag tcccggggag gatacggcgg gcggcacgcc gcccccacag acctgcggaa 116700

tcgtcaagcg cctcctgaga ctggccgcca cggaacaaca ggacaccacg cccccggcga 116760

tcgcggcgct tatccgtaat gcggcggtgc agactcccct gcccgtctac cggatatcca 116820

tggtccccac gggacaggca tttgccgcgc tggcctggga cgactgggcc cgcataacgc 116880

gggacgctcg cctggccgaa gcggtcgtgt ccgccgaagc ggcggcgcac cccgaccacg 116940

gcgcgctggg caggcggctc acggatcgca tccgcgccca gggccccgtg atgccccctg 117000

gcggcctgga tgccgggggg cagatgtacg tgaatcgcaa cgagatattc aacggcgcgc 117060

tggcaatcac aaacatcatc ctggatctcg acatcgccct gaaggagccc gtcccctttc 117120

gccggctcca cgaggccctg ggccacttta ggcgcggggc tctggctgcg gttcagctcc 117180

tgtttcccgc ggcccgcgtg gaccccgacg catatccctg ttatttttc aaaagcgcat 117240

gtcggcccgg cccggcgtcc gtgggttccg gcagcggact cggcgacgac ggggactggt 117300

ttccctgcta cgacgacgcc ggtgatgagg agtgggcgga ggacccgggc gccatggaca 117360

catcccacga tcccccggac gacgaggttg cctactttga cctgtgccac gaagtcggcc 117420

ccacggcgga acctcgcgaa acggattcgc ccgtgtgttc ctgcaccgac aagatcggac 117480

tgcgggtgtg catgcccgtc cccgccccgt acgtcgtcca cggttctcta acgatgcggg 117540

gggtggcacg ggtcatccag caggcggtgc tgttggaccg agattttgtg gaggccatcg 117600

ggagctacgt aaaaaacttc ctgttgatcg atacgggggt gtacgcccac ggccacagcc 117660

tgcgcttgcc gtattttgcc aaaatcgccc ccgacgggcc tgcgtgcgga aggctgctgc 117720

cagtgtttgt gatccccccc gcctgcaaag acgttccggc gtttgtcgcc gcgcacgccg 117780

acccgcggcg cttccatttt cacgccccgc ccacctatct cgcttccccc cgggagatcc 117840

gtgtcctgca cagcctgggt ggggactatg tgagcttctt tgaaaggaag gcgtcccgca 117900

acgcgctgga acactttggg cgacgcgaga ccctgacgga ggtcctgggt cggtacaacg 117960

tacagccgga tgcgggggggg accgtcgagg ggttcgcatc ggaactgctg gggcggatag 118020

tcgcgtgcat cgaaacccac tttcccgaac acgccggcga atatcaggcc gtatccgtcc 118080

ggcgggccgt cagtaaggac gactgggtcc tcctacagct agtccccgtt cgcggtaccc 118140

tgcagcaaag cctgtcgtgt ctgcgcttta agcacggccg ggcgagtcgc gccacggcgc 118200

ggacattcgt cgcgctgagc gtcggggcca acaaccgcct gtgcgtgtcc ttgtgtcagc 118260

agtgctttgc cgccaaatgc gacagcaacc gcctgcacac gctgtttacc attgacgccg 118320

gtacgccatg ctcgccgtcc gttccctgca gcacctctca accgtcgtct tgataacggc 118380

gtacggcctc gtgctcgtgt ggtacaccgt cttcggtgcc agtccgctgc accgatgtat 118440

ttacgcggta cgccccaccg gcaccaacaa cgacaccgcc ctcgtgtgga tgaaaatgaa 118500

ccagacccta ttgtttctgg gggccccgac gcacccccc aacgggggct ggcgcaacca 118560

cgcccatatc tgctacgcca atcttatcgc gggtagggtc gtgcccttcc aggtcccacc 118620

cgacgccatg aatcgtcgga tcatgaacgt ccacgaggca gttaactgtc tggagaccct 118680

atggtacaca cgggtgcgtc tggtggtcgt agggtggttc ctgtatctgg cgttcgtcgc 118740

cctccaccaa cgccgatgta tgtttggtgt cgtgagtccc gcccacaaga tggtggcccc 118800

ggccacctac ctcttgaact acgcaggccg catcgtatcg agcgtgttcc tgcagtaccc 118860

ctacacgaaa attacccgcc tgctctgcga gctgtcggtc cagcggcaaa acctggttca 118920

gttgtttgag acggacccgg tcaccttctt gtaccaccgc cccgccatcg gggtcatcgt 118980

aggctgcgag ttgatgctac gctttgtggc cgtgggtctc atcgtcggca ccgctttcat 119040

atcccggggg gcatgtgcaa tcacataccc cctgtttctg accatcacca cctggtgttt 119100

tgtctccacc atcggcctga cagagctgta ttgtattctg cggcggggcc cggcccccaa 119160

gaacgcagac aaggccgccg ccccgggggcg atccaagggg ctgtcgggcg tctgcgggcg 119220

ctgctgttcc atcatcctct cgggcatcgc agtgcgattg tgttatatcg ccgtggtggc 119280

cggggtggtg ctcgtggcgc ttcactacga gcaggagatc cagaggcgcc tgtttgatgt 119340

atgacgtcac atccaggccg gcggaaaccg gaacggcata tgcaaattgg aaactgtcct 119400

gtcttggggc ccacccaccc gacgcgtcat atgcaaatga aaatcggtcc cccgaggcca 119460

cgtgtagcct ggatcccaac gaccccgccc atgggtccca attggccgtc ccgttaccaa 119520

gaccaaccca gccagcatat ccacccccgc ccgggtcccc gcggaagcgg aacggtgtat 119580

gtgatatgct aattaaatac atgccacgta cttatggtgt ctgattggtc cttgtctgtg 119640

ccggaggtgg ggcgggggcc ccgcccgggg ggcggaacga ggaggggttt gggagagccg 119700

gccccggcac cacgggtata aggacatcca ccacccggcc ggtggtggtg tgcagccgtg 119760

ttccaaccac ggtcacgctt cggtgcctct ccccgattcg ggcccggtcg ctcgctaccg 119820

gtgcgccacc accagaggcc atatccgaca ccccagcccc gacggcagcc gacagcccgg 119880

tcatggcgac tgacattgat atgctaattg acctcggcct ggacctctcc gacagcgatc 119940

tggacgagga cccacccgag ccggcggaga gccgccgcga cgacctggaa tcggacagca 120000

gcggggagtg ttcctcgtcg gacgaggaca tggaagaccc ccacggagag gacggaccgg 120060

agccgatact cgacgccgct cgcccggcgg tccgcccgtc tcgtccagaa gaccccggcg 120120

tacccagcac ccagacgcct cgtccgacgg agcggcaggg ccccaacgat cctcaaccag 120180

cgccccacag tgtgtggtcg cgcctcgggg cccggcgacc gtcttgctcc cccgagcagc 120240

acgggggcaa ggtggcccgc ctccaacccc caccgaccaa agcccagcct gcccgcggcg 120300

gacgccgcgg gcgtcgcagg ggtcggggtc gcggtggtcc cggggccgcc gatggtttgt 120360

cggacccccg ccggcgtgcc cccagaacca atcgcaaccc ggggggaccc cgccccgggg 120420

cggggtggac ggacggcccc ggcgcccccc atggcgaggc gtggcgcgga agtgagcagc 120480

ccgacccacc cggaggcccg cggacacggg gcgtgcgcca agcacccccc ccgctaatga 120540

cgctggcgat tgcccccccg cccgcggacc cccgcgcccc ggccccggag cgaaaggcgc 120600

ccgccgccga caccatcgac gccaccacgc ggttggtcct gcgctccatc tccgagcgcg 120660

cggcggtcga ccgcatcagc gagagctttg gccgcagcgc acaggtcatg cacgacccct 120720

ttgggggggca gccgtttccc gccgcgaata gcccctgggc cccggtgttg gcgggccaag 120780

gagggccctt tgacgccgag accagacggg tctcctggga aaccttggtc gcccacggcc 120840

cgagcctcta tcgcactttt gccggcaatc ctcgggccgc atcgaccgcc aaggccatgc 120900

gcgactgcgt gctgcgccaa gaaaatttca tcgaggcgct ggcctccgcc gacgagacgc 120960

tggcgtggtg caagatgtgc atccaccaca acctgccgct gcgcccccag gaccccatta 121020

tcgggacggc cgcggctgtg ctggataacc tcgccacgcg cctgcggccc tttctccagt 121080

gctacctgaa ggcgcgaggc ctgtgcggcc tggacgaact gtgttcgcgg cggcgtctgg 121140

cggacattaa ggacattgca tccttcgtgt ttgtcattct ggccaggctc gccaaccgcg 121200

tcgagcgtgg cgtcgcggag atcgactacg cgacccttgg tgtcggggtc ggagagaaga 121260

tgcatttcta cctccccggg gcctgcatgg cgggcctgat cgaaatccta gacacacacc 121320

gccaggagtg ttcgagtcgt gtctgcgagt tgacggccag tcacatcgtc gccccccgt 121380

acgtgcacgg caaatatttt tattgcaact ccctgtttta ggtacaataa aaacaaaaca 121440

tttcaaacaa atcgccccac gtgttgtcct tctttgctca tggccggcgg ggcgtgggtc 121500

acggcagatg gcgggggtgg gcccggcgta cggcctgggt gggcggaggg aactaaccca 121560

acgtataaat ccgtccccgc tccaaggccg gtgtcatagt gcccttagga gcttcccgcc 121620

cgggcgcatc ccccctttg cactatgaca gcgacccccc tcaccaacct gttcttacgg 121680

gccccggaca taacccacgt ggcccccccc tactgcctca acgccacctg gcaggccgaa 121740

acggccatgc acaccagcaa aacggactcc gcttgcgtgg ccgtgcggag ttacctggtc 121800

cgcgcctcct gtgagaccag cggcacaatc cactgctttt tctttgcggt atacaaggac 121860

acccaccaca cccctccgct gattaccgag ctccgcaact ttgcggacct ggttaaccac 121920

ccgccggtcc tacgcgaact ggaggataag cgcggggtgc ggctgcggtg tgcgcggccg 121980

tttagcgtcg ggacgattaa ggacgtctct gggtccggcg cgtcctcggc gggagagtac 122040

acgataaacg ggatcgtgta ccactgccac tgtcggtatc cgttctcaaa aacatgctgg 122100

atgggggcct ccgcggccct acagcacctg cgctccatca gctccagcgg catggccgcc 122160

cgcgcggcag agcatcgacg cgtcaagatt aaaattaagg cgtgatctcc aacccccca 122220

tgaatgtgtg taacccccca aaaaaataaa cagccgtaac ccaatcaaac caggcgtggt 122280

gtgagtttgt ggacccaaag ccctcagaga caacgcgaca ggccagtatg gaccgtgata 122340

cttttattta ttaactcaca ggggcgctta ccgccacagg aataccagaa taatgaccac 122400

cactatcgcg accaccccaa atacagcatg gcgccccacc acgccacaac agccctgtcg 122460

ccggtatggg gcatgatcag acgagccgcg agccgcgcgt tgggccctgt acagctcgcg 122520

cgaattgacc ctaggaggcc gccacgcgcc cgagttttgc gttcgtcgct ggtcgtcggg 122580

cgccaaagcc ccggacggct gttcggtcga acgaacggcc acgacagtgg cataggttgg 122640

ggggtggtcc gacatagcct cggcgtacgt cgggaggccc gacaagaggt cccttgagat 122700

gtcgggtggg gccacaagcc tggtttccgg aagaaacagg ggggttgcca ataacccgcc 122760

agggccaaaa ctccggcgct gcgcacgtcg ttcggcgcgg cgccgggcgc gccgagcggc 122820

tcgctgggcg gcttggcgtg agcggccccg ctccgacgcc tcgccctctc cggaggaggt 122880

tggcggaatt ggcacggacg acaggggccc agcagagtac ggtggaggtg ggtccgtggg 122940

ggtgtccaga tcaataacga caaacggccc ctcgttccta ccagacaagc tatcgtaggg 123000

gggcggggga tcagcaaacg cgttccccgc gctccataga cccgcgtcgg gttgcgccgc 123060

ctccgaagcc atggatgcgc cccaaagcca cgactcccgc gcgctaggtc cttggggtaa 123120

gggaaaaggc cctactcccc atccaagcca gccaagttaa cgggctacgc cttcggggat 123180

gggactggca ccccggcgga ttttgttggg ctggtacgcg ttgcccaacc gagggccgcg 123240

tccacgggac gcgcctttta taaccccggg ggtcattccc aacgatcaca tgcaatctaa 123300

ctggctcccc tctccccccc tctcccctct ccccccctct cccctctccc cccctctccc 123360

ctctcccccc ctctccctc tccccccctc tcccctctcc cccctctcc cctctccccc 123420

cctctcccct ctcccccct ctcccctctc cccccctctc ccctctcccc ccctctcccc 123480

tctcccccc tgctctttcc ccgtgacacc cgacgctggg gggcgtggct gccgggaggg 123540

gccgcggatg ggcggggcct actcggtctc ccgcccccgc ccccgaaccg ccccgccggc 123600

cttgcccccc tttgatcccc tgctaccccc aacccgtgct cgtggtgcgg gttgggtggg 123660

gggggggagt gtgggcgggg gtgtgcggga ggtgtcggtg gtggtggtgg tggtaggaat 123720

ggtggtgagg gggggggcg ctggttggtc aaaaaaggga gggacggggg ccggcagacc 123780

gacggcgaca acgctccccg gcggccgggt cgcggctctt acgagcggcc cggcccgcgc 123840

tcccaccccc cgggccgtgt ccttgctttc cccccgtctc ccccccccctc cttctcctcc 123900

tcctcctcct cgtttttcca aaccccgccc acccggcccg gcccggcccg gccaccgccg 123960

cccacccacc cacctcggga gacccagccc cggtcccccg ttccccgggg gccgttatct 124020

ccagcgcccc gtccggcgcg ccgccccccg ccgctaaacc ccatcccgcc cccgggaccc 124080

cacatataag cccccagcca cacgcaagaa cagacacgca gaacggctgt gtttatttaa 124140

ataaaccgat gtcggaataa acaaacacaa acacccgcga cgggggggacg gagggagggg 124200

ggtgacgggg gacgggaaca gccacaaaaa acacccacaa aaaaaaacag ccacccccga 124260

caccccccccc caccccccagt ctcttcgcct tttccccccc accccacgcc cccactgagc 124320

ccggtcgatc gacgagcacc cccgcccccg cccctgcccc ggcgaccccc ggcccgcacg 124380

atcccgacaa caataacaac cccaacggaa agcggcgggg tgtgggggggg ggcgaggaac 124440

aaccgagggg aacgggggat ggaaggacgg gaagtggaag tcctgatacc catcctacac 124500

ccccctgcct tccaccctcc ggcccccccgc gagtccaccc gccggccggc taccgagacc 124560

gaacacggcg gccgccgcag ccgccgcagc cgccgccgac accgcagagc cggcgcgcgc 124620

acacacaagc ggcagaggca gaaaggccca gagtcattgt ttatgtggcc gcgggccagc 124680

agacggcccg cgacaccccc ccccccgccc gtgtgggtat ccggcccccc gccccgcgcc 124740

ggtccattaa gggcgcgcgt gcccgcgaga tatcaatccg ttaagtgctc tgcagacagg 124800

ggcaccgcgc ccggaaatcc attaggccgc agacgaggaa aataaaatta catcacctac 124860

ccacgtggtg ctgtggcctg tttttgctgc gtcatctgag cctttataaa agcgggggcg 124920

cggccgtgcc gatcgcgggt ggtgcgaaag actttccggg cgcgtccggg tgccgcggct 124980

ctccgggccc ccctgcagcc ggggcggcca aggggcgtcg gcgacatcct ccccctaagc 125040

gccggccggc cgctggtctg ttttttgttt tccccgtttc gggggtgggg ggggttgcgg 125100

tttctgtttc tttaacccgt ctggggtgtt tttcgttccg tcgccggaat gtttcgttcg 125160

tctgtcccct cacggggcga aggccgcgta cggcccggga cgaggggggcc cccgaccgcg 125220

gcggtccggg ccccgtccgg gcccgctcgc cggcacgcga cgcgaaaaag gccccccgga 125280

ggcttttccg ggttcccggc ccggggcctg agataaacaa tcggggttac cgccaacggc 125340

cggcccccgt ggcggcccgg cccggggccc cggcggaccc aaggggcccc ggcccggggc 125400

cccacaacgg cccggcgcat gcgctgtggt ttttttttct cggtgttttg tcgggctccg 125460

tcgcctttcc tgttctcgct tctccccccc ccccttcttt cacccccagt accctcctcc 125520

ctcccttcct cccccgttat cccactcgtc aagggcgccc cggtgtggtt caacaaagac 125580

gccgcgtttc caggtaggtt agacacctgc ttctccccaa tagaggggggg ggacccaaac 125640

gacaggggggc gccccagagg ctaaggtcgg ccacgccact cgcgggtggg ctcgtgttac 125700

agcacaccag cccgttcttt tccccccctc ccacccttag tcagactctg ttacttaccc 125760

gtccgaccac caactgcccc cttatctaag ggccggctgg aagaccgcca gggggtcggc 125820

cggtgtcgct gtaacccccc acgccaatga cccacgtact ccaagaaggc atgtgtccca 125880

ccccgcctgt gtttttgtgc ctggctctct atgcttgggt cttactgccg gggggggggg 125940

agtgcggggg agggggggtg tggaaggaaa tgcacggcgc gtgtgtaccc cccctaaagt 126000

tgttcctaaa gcgaggatat ggaggagtgg cgggtgccgg gggaccgggg tgatctctgg 126060

cacgcggggg tgggaagggt cgggggaggg gggatggggt accggcccac ctggccgacg 126120

cgggtgcgcg tgcctctgca caccaacccc acgtcccccg gcggtctcta agaagcaccg 126180

ccccccctcc ttcataccac cgagcatgcc tgggtgtggg ttggtaacca acacgcccat 126240

cccctcgtct cctgtgattc tctggctgca ccgcattctt gttttctaac tatgttcctg 126300

tttctgtctc ccccccccacc cctccgcccc acccccccaac acccacgtct gtggtgtggc 126360

cgacccccctt ttgggcgccc cgtcccgccc cgccacccct cccgtccttt gttgccctat 126420

agtgtagtta acccccccccc gcccttttgtg gcggccagag gccaggtcag tccgggcggg 126480

caggcgctcg cggaaactta acacccacac ccaacccact gtggttctgg ctccatgcca 126540

gtggcaggat gctttcgggg atcggtggtc aggcagcccg ggccgcggct ctgtggttaa 126600

caccagagcc tgcccaacat ggcaccccca ctcccacgca cccccactcc cacgcacccc 126660

cactcccacg cacccccact cccacgcacc cccactccca cgcaccccca ctcccacgca 126720

cccccactcc cacgcacccc cactcccacg cacccccact cccacgcacc cccgagatcc 126780

atccaacaca gacagggaaa agatacaaaa gtaaaccttt atttcccaat agacagcaaa 126840

aatcccctga gttttttatt agggccaaca ctaaagaccc gctggtgtgt ggtgcccgtg 126900

tctttcactt ttcccctccc cgacacggat tggctggtgt agtgggcgcg gccagagacc 126960

acccagcgcc cgacccccc ctccccacaa acacgggggg cgtcccttat tgttttccct 127020

cgtcccgggt cgacgccccc tgctccccgg accacgggtg ccgagaccgc aggctgcgga 127080

agtccagggc gcccactagg gtgccctggt cgaacagcat gttccccacg ggggtcatcc 127140

agaggctgtt ccactccgac gcgggggccg tcgggtactc ggggggcatc acgtggttac 127200

ccgcggtctc ggggagcagg gtgcggcggc tccagccggg gaccgcggcc cgcagccggg 127260

tcgccatgtt tcccgtctgg tccaccagga ccacgtacgc cccgatgttc cccgtctcca 127320

tgtccaggat gggcaggcag tcccccgtga tcgtcttgtt cacgtaaggc gacagggcga 127380

ccacgctaga gacccccgag atgggcaggt agcgcgtgag gccgcccgcg ggggcggccc 127440

cggaagtctc cgcgtggcgc gtcttccggg cacacttcct cggcccccgc ggcccagaag 127500

cagcgcgggg gccgagggag gtttcctctt gtctccctcc cagggcaccg acggccccgc 127560

ccgaggaggc ggaagcggag gaggacgcgg ccccggcggc ggaagaggcg gcccccgcgg 127620

gagtcggggc cgaggaggaa gaggcagagg aggaagaggc ggaggccgcc gaggacgtca 127680

ggggggtccc gggcccaccc tggccgcgcc cccccggccc tgagtcggag ggggggtgcg 127740

tcgccgccct cttggcccct gccggcgcga gggggggacg cgtggactgg ggggaggggt 127800

tttcctggcc cgacccgcgc ctcttcctcg gacgcaccgc cgcctcctgc tcgacagagg 127860

cggcggaggg gagcgggggg gcgccggagg gggcggcgcc gcgggagggc ccgtgtccac 127920

cctccacgcc cggccccccc gagccgcgcg ccaccgtcgc acgcgcccgg cacagactct 127980

gttcttggtt cgcggcctga gccagggacg agtgcgactg gggcacacgg cgcgcgtccg 128040

cgggggccgg ggcgcggggg ccgggccccg gaggcggcgc tcgcacgcac ggggccacgg 128100

ccgcgcgggg gcgcgcgggt cccgacgcgg ccgaggacgc ggtgggcccg gggcgggggg 128160

cggagcctgg catgggcgcc gcgggggccc tgtggggaga ggccgggggg gagtcgctga 128220

tcactatggg gtctctgttg tttgcaaggg gggcgggtct gttgacaagg gggcccgtcc 128280

ggcccctcgg ccgccccgcc tccgcttcaa caaccccaac cccaacccca acccccccgg 128340

aggggccaga cgcccccgc ggcgccgcgg ctcgcgactg gcgggagccg ccgccgccgc 128400

cgctgctgtt ggtggtggtg ttggtgttac tgctgccgtg tggcccgatg ggcgccgagg 128460

ggggcgctgt ccgagccgcg gccggctggg gggctgcgtg agacgccccg cccgtcacgg 128520

ggggcgcggc ggcgcctctg cgtgggggggg cgcggggcgt ccggcggggg gcgggcggta 128580

cgtagtctgc tgcaagagac aacgggggggc gcgatcaggt tacgcccccc cccaggccct 128640

ccctttccgc gcccgccctt tcctcgcccc cccgcccgcc tattcctccc tccccccctcc 128700

tcctcctcct cccccagggt cctcgccgcc cccccgcctc accgtcgtcc aggtcgtcgt 128760

catcctcgtc cgtggtgggc tcagggtggg tgggcgacag ggccctcacc gtgtgccccc 128820

ccagggtcag gtaccgcggg gcgaaccgct gattgcccgt ccagataaag tccacggccg 128880

tgcccgccct gacggcctcc tcggcctcca tgcgggtctg ggggtcgttc acgatcggga 128940

tggtgctgaa cgacccgctg ggcgtcacgc ccactatcag gtacaccagc ttggcgttgc 129000

acagcgggca ggtgttgcgc aattgcatcc aggttttcat gcacgggatg cagaagcggt 129060

gcatgcacgg gaaggtgtcg cagcgcaggt ggggcgcgat ctcatccgtg cacacggcgc 129120

acacgtcgcc ctcgtcgctc cccccgtcct ctcgaggggg ggcgcccccg caactgccgg 129180

ggtcttcctc gcgggggggg ctccccccccg agaccgcccc cccatccacg ccctgcggcc 129240

ccagcagccc cgtctcgaac agttccgtgt ccgtgctgtc cgcctcggag gcggagtcgt 129300

cgtcatggtg gtcggcgtcc ccccgccccc ccacttcggt ctccgcctca gagtcgctgc 129360

tgtccggcag gtctcggtcg cagggaaaca cccagacatc cggggcgggc taaggggaaa 129420

aaaaggggggg cgggtaagaa tgggggggatt tcccgcgtca atcagcgccc acgagttccc 129480

cctctccccc cccccgcctc acaaagtcct gccccccctgc tggcctcgga agaggggggga 129540

gaaaggggtc tgcaaccaaa ggtggtctgg gtccgtcctt tggatcccga cccctcttct 129600

tccctcttct cccgccctcc agacgcaccg gagtcggggg tcccacggcg tcccccaaat 129660

atggcgggcg gctcctcccc acccccctag atgcgtgtga gtaaggggggc cctgcgtatg 129720

agtcagtggg gaccacgccc cctaacacgg cgaccccggt ccctgtgtgt ttgttgtggg 129780

ggcgtgtctc tgtgtatgag tcaggggggtc ccacggcgac cccgggccct gcgtctgagt 129840

caaaggggcc atgtgtatgt gttgggggggt ctgtatatat aaagtcaggg ggtcacatgg 129900

cgacccccaa cagggcgacc ccggtccctg tatatatagg gtcagggggt tccgcgcccc 129960

ctaacatggc gcccccggtc cctgtatata tagtgtcacg gggttccacg ccccctaaca 130020

tggcgcccgg ctcccgtgta tgagtggggg tcccccaaca tggcggccgg ttccagtgta 130080

agggtcgggg gtcccccaac atggcgcccc ccaatatggc gccccccaat atggcgcccc 130140

agacatggcg cccggcccct cacctcgcgc tgggggcggc cctcaggccg gcgggtactc 130200

gctccggggc ggggctccat gggggtcgta tgcggttgga gggtcgcgga cggagggtcc 130260

ctgggggtcg caacgtaggc ggggcttctg tggtgatgcg gagaggggggc ggcccgagtc 130320

tgcctggctg ctgcgtctcg ctccgagtgc cgaggtgcaa atgcgaccag actgtcgggc 130380

cagggctaac ttatacccca cgcctttccc ctccccaaag gggcggcagt gacgattccc 130440

ccaatggccg cgcgtcccag gggaggcagg cccaccgcgg ggcggccccg tccccgggga 130500

ccaacccggc gcccccaaag aatatcatta gcatgcacgg cccggccccc gatttggggg 130560

accaacccgg tgtcccccaa agaaccccat tagcatgccc ctcccaccga cgcaacaggg 130620

gcttggcctg cgtcggtgcc ccggggcttc ccgccttccc gaagaaactc attaccatac 130680

ccggaacccc aggggaccaa tgcgggttca ttgagcgacc cgcgggccaa tgcgcgaggg 130740

gccgtgtgtt ccgccaaaaa agcaattagc ataacccgga accccagggg agtggttacg 130800

cgcggcgcgg gaggcgggga ataccggggt tgcccattaa gggccgcggg aattgccgga 130860

agcgggaagg gcggccgggg ccgcccatta atgagtttct aattaccata ccgggaagcg 130920

gaacaaggcc tcttgcaagt ttttaattac cataccggga agtgggcggc ccggcccatt 130980

gggcggtaac tcccgcccaa tgggccgggc cccgaagact cggcggacgc tggttggccg 131040

ggccccgccg cgctggcggc cgccgattgg ccagtcccgc ccccgaggcg gcccgccctg 131100

tgagggcggg ctggctccaa gcgtatatat gcgcggctcc tgccatcgtc tctccggatc 131160

tagagatctc cggaattaat tcgccctata gtgagtcgga attaggagca ataccccga 131220

tccagcgtcc aacaagaacc gccaccgcca gagccacctc cacctgaccc gccgcctcct 131280

agatcttctt ctgagatgag tttttgttct gaattcccag atccttccgt ggacagtgtc 131340

tggaactcgt gcactttgct gccggctccc tggccctcct gcgtcagcgc ctgcacctgc 131400

accaggtacg tggtatccgg agcaaggtca tccagggtca cggagaagcc ttccgtgcgg 131460

cgcacattat agctgttggc atccccccttc ttgcggtagg tgacttcgta cttccacaca 131520

cggctctgct gtgacaccgg gatgctccag gtgacactca gggaggtggt gcttcggtcc 131580

tccagcctca ctttgggggg ctctgtttgg ttaatactga cgctggcagt ccggaagctt 131640

cggctagtca ccaggcctga gacaccattg cgtgcttcga cagcgaaggt atagttcatg 131700

tggggctcca ggtcactgac tgtcacactc gtgcgggtca gggcgtgagg aggttctgaa 131760

tagcgcacgc tcgcctcaca gggcccacac tcgccagact ctggccagca ctgttcgcaa 131820

gtgacactgt agacaatgtc ctggcggcca ccagtgtcct tgggagctgt ccaacgcagt 131880

tctactttgg cacccatgcc aatggccgtg aggtagttgg gggcagaggg tggacgtgtg 131940

caagacatgg acagtgggtc ctcaggtgcc ctgaaatagc cttcttcaca ctggcaggag 132000

gtggcaccct ctgtggatgg cagggtatgc tctggacact ccaggcaagg gctctcagat 132060

gcctcagact tgaagaatcc tggagaacag gctcggcagg catcctcgac cttctcgtag 132120

ccttcctggc acaggcactg cccgatgggc accagccact cgccatccac cgtgcagtgc 132180

atgagaggcc cctcgccccc ataaggcacc acggcatggt ccacgcaggt accggccacc 132240

gtggccaggg gttgtgtatc ggagacagcg acagcaatgg tctcggggaa gcgagccaag 132300

ctctgcagca tctcgggaca cttcttgtag tagacgcgaa cggagagcag cgccacgcag 132360

gcgccgatgt cctggaaggc caggtagaag cccttccggg taaggggccc caccatgcgc 132420

tcctctacgt tcagcttgac attgcgagcc tcgaagtcac tgctgaccgt gatctcgtca 132480

ggggcgatgg tgtcaatctt ggtgaactgg cgcttctgga agttggtgcc atagtccaca 132540

tctgactctg catagtagag gttgaaggtc tctttgcatg agctggcgcc acccgggaag 132600

ctgttacagt ctcgcaccgt gaacttgagc tcaataaaga tgcgctcggc ctcctcccgg 132660

tacacccagt tggtgcggag ccagttgtcc tggtcgccgg ataccacgtt gcacaccgag 132720

tacatgtaga taggcatgtc gtccatgatg ttctgcatca ggtcccaccc tttgccatag 132780

gggtgcgtga gccagccgag ctctcccttc attgctgcga agtccaacaa aacaacttcc 132840

tttccctgtg ccgccgcggc cgccagcgcg caaccccaca gcagcgccag gcagaaaccg 132900

actgcccgga gctccatggt cgacccggga tccggtacca ctttgtgcgg ccagcttcct 132960

aggagatccc tagctagagt cggtgtcttc tatggaggtc aaaacagcgt ggatggcgtc 133020

tccaggcgat ctgacggttc actaaaccag ctctgcttat atagagctcg gggagcagaa 133080

gcgcgcgaac agaagcgaga agcgaactga ttggttagtt caaataaggc acagggtcat 133140

ttcaggtcct tggggcaccc tggaaacatc tgatggttct ctagaaactg ctgagggcgg 133200

gaccgcatct ggggaccatc tgttcttggc cctgagcggg gcaggaactg cttaccacag 133260

atatcctgtt tggcccatat tctcctgttc caactgttct tggccctgag cggggcagga 133320

actgcttacc acagatatcc tgtttggccc atattctcct gtttctctgt tcctgacctt 133380

gatcctagct tgccaaacct acaggtgggg tctttcattc ccataggcgg ttacctggga 133440

ctgtgcggtt gggacggcgc ccgtgggccc gggcggccgg gggcggcggg ggccgcgatg 133500

gcggcggcgg cgggccatgg agacagagag cgtgccgggg tggtagagtt tgacaggcaa 133560

gcatgtgcgt gcagaggcga gtagtgcttg cctgtctaac tcgctcgtct cggccgcggg 133620

gggcccgggc tgcgccgccg cgctttaaag ggccgcgcgc gacccccggg gggtgtgttt 133680

cggggggggc ccgttttccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc 133740

tccccccgct cctccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc 133800

tccccccgct cctccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc 133860

tccccccgct cctccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc 133920

ccaacgcccg ccgcgcgcgc gcacgccgcc cggaccgccg cccgcctttt ttgcgcgccg 133980

ccccgcccgc ggggggcccg ggctgccaca ggtgtaacaa caccaacaga acaccaacag 134040

cacggcgcac cggcgactcc ggttcctcat ccacacgtca cacgtcacgt catccaccac 134100

acctgcccac caacacaact cacagcgaca actcaccgcg caacaactcc tgttcctcat 134160

ccacacgtca ccgcgcaccc cccgctcctc cagacgtccc ccagcgcaac acgccgctcc 134220

tgtcacacac caccgcccca gccctcccca gccccagccc tccccagccc cagccctccc 134280

cggccccagc cctccccggc cccagccctc cccggcccca gccctccccg gccccagccc 134340

tccccggccc cagccctccc cggccccagc cctccccggc cgcgtcccgc gctccctcgg 134400

ggggggttcgg gcatctctac ctcagtgccg ccaatctcag gtcagagatc caaaccctcc 134460

gggggcgccc gcgcaccacc accgcccctc gcccccctccc gcccctcgcc ccctcccgcc 134520

cctcgccccc tcccgccccc cgcccccctcc cgcccctcgc cccctcccgc ccctcgcccc 134580

ctcccgcccc tcgcccccctc ccgcccctcg cccccctcccg cccctcgccc cctcccgccc 134640

ctcgcccccc cccgcccctc gcccccctccc gcccctcgcc ccctcccgcc cctcgccccc 134700

tcccgccccc cgcccccctcc cgcccctcgc ccctcccgc ccctcgcccc ctcccgcccc 134760

tcgcccccctc ccgcccctcg cccccctcccg cccctcgccc cctcccgccc ctcgaaataa 134820

acaacgctac tgcaaaacta aatcaggtcg ttgtcgttta ttgcgtcttc gggtttcgca 134880

agcgccccgc cccgtcccgg cccgttacag caccccgtcc ccctcgaacg cgccgccgtc 134940

gtcgtcgtcc caggcgcctt cccagtccac aacttcccgt cgcgggggcg tggccaagcc 135000

cgcctccgcc cccagcacct ccacggcccc cgccgccgcc agcacggtgc cgctgcggcc 135060

cgtggccgag gcccagcgaa tcccgggcaa cgccggcggc agggcccccg ggccgtcgtc 135120

gtcgtcgtcg ccgccgcgca gcaccagcgg gggggcgtcg tcgtcgggct ccagcagggc 135180

gcgggcgcaa aagtccctcc gcggcccgcg ccaccgggcc gggccggcgc gcaccgcctc 135240

gcgccccagc gccacgtaca cgggccgcag cggcgcgccc aggccccagc gcgcgcaggc 135300

gcggtgcgag tgggcctcct cctcgcagaa gtccggcgcg ccgggcgcca tggcgtcggt 135360

ggtccccgag gccgccgccc ggccgtccag cgccggcagc acggcccggc ggtactcgcg 135420

cggggacatg ggcaccggcg tgtccgggcc gaagcgcgtg cgcacgcggt agcgcacgtt 135480

gccgccgcgg cacaggcgca gcggcggcgc gtcggggtac aggcgcgcgt gcgcggcctc 135540

cacgcgcgcg aagacccccg ggccgaacac gcggcccggg gccagcaccg tgcggcgcag 135600

gtcccgcgcc gccggccagc gcacggcgca ctgcacggcg ggcagcaggt cgcacgccag 135660

gtaggcgtgc tgccgcgaca ccgcgggccc gtcggcgggc cagtcgcagg cgcgcacggt 135720

gttgaccacg atgagccgcc ggtcgccggc gctggcgagc agccccagaa actccacggc 135780

cccggcgaag gccaggtccc gcgtggacag cagcagcacg ccctgcgcgc ccagcgccga 135840

cacgtcgggg gcgccggtcc agttgcccgc ccaggcggcc gtgtccggcc cgcacagccg 135900

gttggccagg gccgccagca ggcaggacag cccgccgcgc tcggcggacc actccggcgg 135960

ccccccgag gccccgccgc cggccaggtc ctcgcccggc agcggcgagt acagcaccac 136020

cacgcgcacg tcctcggggt cggggatctg gcgcatccag gccgccatgc ggcgcagcgg 136080

gcccgaggcg cgcaggggc caaagaggcg gcccccggcg gccccgtggg ggtgggggtt 136140

atcgtcgtcg tcgccgccgc cgcacgcggc ctgggcggcg gcggcgggcc cggcgcaccg 136200

cgcggcgatc gaggccaggg cccgcgggtc aaacatgagg gccggtcgcc aggggacggg 136260

gaacagcggg tggtccgtga gctcggccac ggcgcgcggg gagcagtagg cctccagggc 136320

ggcggccgcg ggcgccgccg tgtggctggg ccccgggggc tgccgccgcc agccgcccag 136380

ggggtcgggg ccctcggcgg gccggcgcga cagcgccacg gggcgcgggc gggcctgcgc 136440

cgcggcggcc cggggcgccg cgggctgggc gggggcgggc tcgggccccg ggggcgtgga 136500

gggggcgcg gggaggggg cgcgggcgtc cgagccgggg gcgtccgcgc cgctcttctt 136560

cgtcttcggg ggtcgcgggc cgccgcctcc gggcggccgg gccgggccgg gactcttgcg 136620

cttgcgcccc tcccgcggcg cggcggaggc ggcggcggcc gccagcgcgt cggcggcgtc 136680

cggtgcgctg gcggccgccg ccagcagggg gcgcaggctc tggttctcaa acagcaggtc 136740

cgcggcggcg gcggccgcgg agctcggcag gcgcgggtcc cgcggcagcg cggggcccag 136800

ggccccggcg accaggctca cggcgcgcac ggcggccacg gcggcctcgc tgccgccggc 136860

cacgcgcagg tccccgcgca ggcgcatgag caccagcgcg tcgcgcacga accgcagctc 136920

gcgcagccac gcgcgcaggc ggggcgcgtc ggcgtgcggc ggcggcgggg aagcggggcc 136980

cgcgggtccc tccggccgcg gggggctggc gggccgggcc ccggccagcc ccgggacggc 137040

cgccaggtcg ccgtcgaagc cctcggccag cgcctccagg atcccgcggc aggcggccag 137100

gcactccacg gccacgcggc cggcctgggc gcggcgcccg gcgtcgtcgt cggcgtcggc 137160

gtggcgggcg gcgtcggggt cgtcgccccc cgcgggggag gcgggcgcgg cggacagccg 137220

ccccagggcg gcgaggatcc ccgcggcgcc gtacccggcg ggcaccgcgc gctcgcccgg 137280

tgcggcggcg gcggcgacga cggcggcggc gacccccctcg tcatctgcgc cggcgccggg 137340

gctccccgcg gcccccgtca gcgccgcgtt ctcgcgcgcc aacaggggcg cgtaggcgcg 137400

gcgcaggctg gtcagcagga agcccttctg cgcgcggtcg tatcggcggc tcatggccac 137460

ggcggccgcc gcgtgcgcca ggccccagcc gaagcggccg gccgccatgg cgtagcccag 137520

gtggggcacg gcccgcgcca cgctgccggt gatgaaggag ctgctgttgc gcgcggcgcc 137580

cgagatccgg aagcaggcct ggtccagcgc cacgtccccg gggaccacgc gcgggttctg 137640

gagccacccc atggcctccg cgtccggggt gtacagcagc cgcgtgatca gggcgtactg 137700

ctgcgcggcg tcgcccagct cgggcgccca cacggccgcc ggggcgcccg aggcctcgaa 137760

ccggcgtcgc gcctcctccg cctcgggcgc cccccagagg cccgggcggc tgtcgcccag 137820

gccgccgtac agcacccgcc ccgggggcgg gggcccggcg ccgggccacg gctccccgct 137880

gacgtacccg tcgcgatagc gcgcgtagaa ggcgccggag gccgcgtcgg cgtccagctc 137940

gacccgccgg ggctgcccgg ccgtgaagcg gcccgtggcg tcgcggccgg ccaccgccgc 138000

gcgggcccgg cggcgctcga tgcggcccgc ggaggccgcg ggggtcctcg ccgccgcccg 138060

gggcttgggc gcggcctcgg agaggggggg tggcccgggc gggggcggcg tccgcccggg 138120

ggcttccggc gccgcgctcg acggaccccg cccgacggcc cgcgcctcgc gtgcgcggtc 138180

ggccgcgtcg ttgccgtcgt cgtcctcgtc ctcgtcggac gacgaggacg aagaggatgc 138240

ggacgacgag gacgaggacc cggagtccga cgaggtcgat gacgccgatg gccgccgccg 138300

gccgtgacga cgtctccgcg gcggctgggc cggcgggcgc ggcgacaggc ggtccgtggg 138360

gtccggatac gcgccgcgta gcggggcctc ccgtgcgcgg ccccgggccg gggcccggtc 138420

gccggcggcg tcggctgcgt cgtcgtactc gtccccgtca tcgtcgtcgg ctcgaaaggc 138480

gggggtccgg ggcggcgagg ccgcggggtc gggcgtcggg atcgtccgga cggcctcctc 138540

taccatggag gccagcaggg ccagctgtcg cggcgagacg gcgtccccgg cgtcctcgcc 138600

ggcgtcggtg cccgccgcgg gggccctccc gtcccgccgg gcgtcgtcga ggtcgtgggg 138660

gtggtcgggg tcgtggtcgg ggtcgtcccc gccctcctcc gtctccgcgc cccacccgag 138720

ggcccccgc tcgtcgcggt ctgggctcgg ggtgggcggc ggcccgtcgg tggggcccgg 138780

ggagccgggg cgctgcttgt tctccgacgc catcgccgat gcggggcgat cctccgggga 138840

tacggctgcg acggcggacg tagcacggta ggtcacctac ggactctcga tggggagggg 138900

gcgagaccca cggaccccga cgacccccgc cgtcgacgcg gaactagcgc ggaccggtcg 138960

atgcttgggt gggaaaaagg acagggacgg ccgatccccc tcccgcgctt cgtccgcgta 139020

tcggcgtccc ggcgcggcga gcgtctgacg gtctgtctct ggcggtcccg cgtcgggtcg 139080

tggatccgtg tcggcagccg cgctccgtgt ggacgatcgg ggcgtcctcg ggctcatata 139140

gtcccagggg ccggcgggaa ggaggagcag cggaggccgc cggccccccg ccccccaggc 139200

gggcccgccc cgaacggaat tccattatgc acgaccccgc cccgacgccg gcacgccggg 139260

ggcccgtggc cgcggcccgt tggtcgaacc cccggccccg cccatccgcg ccatctgcca 139320

tgggcggggc gcgagggcgg gtgggcccgc gccccgcccc gcatggcatc tcattaccgc 139380

ccgatccggt ggtttccgct tccgttccgc atgctaacga ggaacgggcc gggggcgggg 139440

cccgggcccc gacttcccgg ttcggcggta atgagatacg agccccgcgc gcccgttggc 139500

cgtccccggg cccccggtcc cgcccgccgg acgttgggac caacgggacg gcgggcggcc 139560

caagggccgc ccgccttgcc gccccccccat tggccggcgg gcgggaccgc cccaaggggg 139620

cggggccgcc gggtaaaaga agtgagaacg cgaagcgttc gcacttcgtc ccaatatata 139680

tatattatta gggcgaagtg cgagcactgg cgccgtgccc gactccgcgc cggccccggg 139740

ggcgggcccg ggcggcgggg ggcgggtctc tccggcgcac ataaaggccc ggcgcgaccg 139800

acgcccgcag acggcgccgg ccacgaacga cgggagcggc tgcggagcac gcggaccggg 139860

agcgggactc gcagagggcc gtcggagcgg acggcgtcgg catcgcgacg ccccggctcg 139920

ggatcgggat cgcatcggaa agggacacgc ggaaagaccc acccacccca cccacgaaac 139980

acaggggacg caccccgggg gcctccgacg acagaaaccc accggtccgc ctttgtgcac 140040

gggtaagcac cttgggtggg cggaggaggg ggggacgcgg gggcggagga ggggggacgc 140100

gggggcggag gaggggggac gcgggggcgg aggagggggg acgcgggggc ggaggagggg 140160

ggacgcgggg gcggaggagg gggctcaccc gcgttcgtgc cttcccgcag gaggaacgtc 140220

ctcgtcgagg cgaccggcgg cgaccgttgc gtggaccgct tcctgctcgt cgggcggggg 140280

gaagccactg tggtcctccg ggacgttttc tggatggccg acatttcccc aggcgctttt 140340

gcgccttgtg taaaagcgcg gcgtcccgct ctccgatccc cgcccctggg cacgcgcaag 140400

cgcaagcgcc cttcccgccc cctctcatcg gagtctgagg tagaatccga tacagccttg 140460

gagtctgagg tcgaatccga gacagcatcg gattcgaccg agtctgggga ccaggatgaa 140520

gccccccgca tcggtggccg tagggccccc cggaggcttg gggggcggtt ttttctggac 140580

atgtcggcgg aatccaccac ggggacggaa acggatgcgt cggtgtcgga cgaccccgac 140640

gacacgtccg actggtctta tgacgacatt cccccacgac ccaagcgggc ccgggtaaac 140700

ctgcggctca cgagctctcc cgatcggcgg gatggggtta tttttcctaa gatggggcgg 140760

gtccggtcta cccgggaaac gcagccccgg gcccccaccc cgtcggcccc aagcccaaat 140820

gcaatgctac ggcgctcggt gcgccaggcc cagaggcgga gcagcgcacg atggaccccc 140880

gacctgggct acatgcgcca gtgtatcaat cagctgtttc gggtcctgcg ggtcgcccgg 140940

gacccccacg gcagtgccaa ccgcctgcgc cacctgatac gcgactgtta cctgatggga 141000

tactgccgag cccgtctggc cccgcgcacg tggtgccgtt tgctgcaggt gtccggcgga 141060

acctggggca tgcacctgcg caacaccata cgggaggtgg aggctcgatt cgacgccacc 141120

gcggaacccg tgtgcaagct tccttgtttg gagaccagac ggtacggccc ggagtgtgat 141180

cttagtaatc tcgagattca tctcagcgcg acaagcgatg atgaaatctc cgatgccacc 141240

gatctggagg ccgccggttc ggaccacacg ctcgcgtccc agtccgacac ggaggatgcc 141300

ccctcccccg ttacgctgga aaccccagaa ccccgcgggt ccctcgctgt gcgtctggag 141360

gatgagtttg gggagtttga ctggaccccc caggagggct cccagccctg gctgtctgcg 141420

gtcgtggccg ataccagctc cgtggaacgc ccgggcccat ccgattctgg ggcgggtcgc 141480

gccgcagaag accgcaagtg tctggacggc tgccggaaaa tgcgcttctc caccgcctgc 141540

ccctatccgt gcagcgacac gtttctccgg ccgtgagtcc ggtcgccccg acccccttgt 141600

atgtccccaa ataaaagacc aaaatcaaag cgtttgtccc agcgtcttaa tggcgggaag 141660

ggcggagaga aacagaccac gcgtacatgg ggggtgtttg ggggtttatt gacatcgggg 141720

ctacagggtg gtaaccggat agcagatgtg aggaagtctg ggccgttcgc cgcgaacggc 141780

gatcagaggg tccgtttctt gcggaccacg gcccggtgat gtgggttgct cgtctgggat 141840

ctcgggcatg cccatacacg cacaacacgg acgccgcacc ggatgggacg tcgtaagggg 141900

gcctggggta gctgggtggg gtttgtgcag agcaatcagg gaccgcagcc agcgcataca 141960

atcgcgctcc cgtccgtttg tcccgggcag taccacgccg tactggtatt cgtaccggct 142020

gagcagggtc tccagggggt ggttgggggc cgcggggaac ggggtccacg ccacggtcca 142080

ctcgggcaaa aaccgagtcg gcacggccca cggttctccc acccacgcgt ctggggtctt 142140

gatggcgata aatcttaccc cgagccggat tttttgggcg tattcgagaa acggcacaca 142200

cagatccgcc gcgcctacca cccacaagtg gtagaggcga ggggggctgg gttggtctcg 142260

gtgcagcagt cggaagcacg ccacggcgtc cacgacctcg gtgctctcca aggggctgtc 142320

ctccgcaaac aggcccgtgg tggtgtttgg ggggcagcga caggacctag tgcgcacgat 142380

cgggcgggtg ggtttgggta agtccatcag cggctcggcc aaccgtcgaa ggttggccgg 142440

acgaacgacg accggggtac ccaggggttc tgatgccaaa atgcggcact gcctaagcag 142500

gaagctccac agggccgggc ttgcgtcgac ggaagtccgg ggcagggcgt tgttctggtc 142560

aaggagggtc attacgttga cgacaacaac gcccatgttg gtatattaca ggcccgtgtc 142620

cgatttgggg cacttgcaga tttgtaaggc cacgcacggc ggggagacag gccgacgcgg 142680

gggctgctct aaaaatttaa gggccctacg gtccacagac ccgccttccc gggggggccc 142740

ttggagcgac cggcagcgga ggcgtccggg ggaggggagg gtgatttacg ggggggtagg 142800

tcaggggggtg ggtcgtcaaa ctgccgctcc ttaaaacccc ggggcccgtc gttcggggtg 142860

ctcgttggtt ggcactcacg gtgcggcgaa tggcctgtcg taagttttgt cgcgtttacg 142920

ggggacaggg caggaggaag gaggaggccg tcccgccgga gacaaagccg tcccgggtgt 142980

ttcctcatgg ccccttttat accccagccg aggacgcgtg cctggactcc ccgcccccgg 143040

agacccccaa accttcccac accacaccac ccggcgatgc cgagcgcctg tgtcatctgc 143100

aggagatcct ggcccagatg tacggaaacc aggactaccc catagaggac gaccccagcg 143160

cggatgccgc ggacgatgtc gacgaggacg ccccggacga cgtggcctat ccggaggaat 143220

acgcagagga gctttttctg cccggggacg cgcccggtcc ccttatcggg gccaacgacc 143280

acatccctcc cccgtgtggc gcatctcccc ccggtatacg acgacgcagc cgggatgaga 143340

ttggggccac gggatttacc gcggaagaac tggacgccat ggacagggag gcggctcgag 143400

ccatcagccg cggcggcaag ccccccctcga ccatggccaa gctggtgact ggcatgggct 143460

ttacgatcca cggagcgctc accccaggat cggaggggtg tgtctttgac agcagccacc 143520

cagattaccc ccaacgggta atcgtgaagg cggggtggta cacgagcacg agccacgagg 143580

cgcgactgct gaggcgactg gaccaccccg cgatcctgcc cctcctggac ctgcatgtcg 143640

tctccggggt cacgtgtctg gtcctcccca agtaccaggc cgacctgtat acctatctga 143700

gtaggcgcct gaacccgctg ggacgcccgc agatcgcagc ggtctcccgg cagctcctaa 143760

gcgccgttga ctacattcac cgccagggca ttatccaccg cgacattaag accgaaaata 143820

tttttattaa caccccgag gacatttgcc tgggggactt tggtgccgcg tgcttcgtgc 143880

agggttcccg atcaagcccc ttcccctacg gaatcgccgg aaccatcgac accaacgccc 143940

ccgaggtcct ggccggggat ccgtatacca ccaccgtcga catttggagc gccggtctgg 144000

tgatcttcga gactgccgtc cacaacgcgt ccttgttctc ggcccccgc ggccccaaaa 144060

ggggcccgtg cgacagtcag atcacccgca tcatccgaca ggcccaggtc cacgttgacg 144120

agttttcccc gcatccagaa tcgcgcctca cctcgcgcta ccgctcccgc gcggccggga 144180

acaatcgccc gccgtacacc cgaccggcct ggacccgcta ctacaagatg gacatagacg 144240

tcgaatatct ggtttgcaaa gccctcacct tcgacggcgc gcttcgcccc agcgccgcag 144300

agctgctttg tttgccgctg tttcaacaga aatgaccgcc cccaggggggc ggtgctgttt 144360

gcgggttggc acaaaaagac cccgacccgc gtctgtggtg tttttggcat catgtcgccg 144420

ggcgccatgc gtgccgttgt tcccattatc ccattccttt tggttcttgt cggtgtatcg 144480

ggggttccca ccaacgtctc ctccaccacc caaccccaac tccagaccac cggtcgtccc 144540

tcgcatgaag cccccaacat gacccagacc ggcaccaccg actctcccac cgccatcagc 144600

cttaccacgc ccgaccacac acccccccatg ccaagtatcg gactggagga ggaggaagag 144660

gaggaggggg ccggggacgg cgaacatctt gaggggggag atgggacccg tgacacccta 144720

ccccagtccc cgggcccagc cttcccgttg gctgaggacg tcgagaagga caaacccaac 144780

cgtcccgtag tcccatcccc cgatcccaac aactcccccg cgcgccccga gaccagtcgc 144840

ccgaagacac cccccaccat tatcgggccg ctggcaactc gccccacgac ccgactcacc 144900

tcaaagggac gacccttggt tccgacgcct caacataccc cgctgttctc gttcctcact 144960

gcctcccccg ccctggacac cctcttcgtc gtcagcaccg tcatccacac cttatcgttt 145020

ttgtgtattg gtgcgatggc gacacacctg tgtggcggtt ggtccagacg cgggcgacgc 145080

acacacccta gcgtgcgtta cgtgtgcctg ccgtccgaac gcgggtaggg tatggggcgg 145140

gggatgggga gagcccacac gcggaaagca agaacaataa aggcggtggt atctagttga 145200

tatgcatctc tgggtgtttt tggggtgtgg cggacgcggg gcggtcattg gacggggtgc 145260

agttaaatac atgcccggga cccatgaagc atgcgcgact tccgggcctc ggaacccacc 145320

cgaaacggcc aacggacgtc tgagccaggc ctggctatcc ggagaaacag cacacgactt 145380

ggcgttctgt gtgtcgcgat gtctctgcgc gcagtctggc atctggggct tttgggaagc 145440

ctcgtggggg ctgttcttgc cgccacccat cggggacctg cggccaacac aacggacccc 145500

ttaacgcacg ccccagtgtc ccctcacccc agccccctgg ggggctttgc cgtccccctc 145560

gtagtcggtg ggctgtgcgc cgtagtcctg ggggcggcgt gtctgcttga gctcctgcgt 145620

cgtacgtgcc gcgggtgggg gcgttaccat ccctacatgg acccagttgt cgtataattt 145680

ccccccccccc ccccccttctc cgcatgggtg atgtcgggtc caaactcccg acaccaccag 145740

ctggtatggt ataaatcacc ggtgcgcccc ccaaaccatg tccggcaggg ggatgggggg 145800

gcgaatgcgg agggcaccca acaacaccgg gctaaccagg aaatccgtgg ccccggcccc 145860

caataaagat cgcggtagcc cggccgtgtg acactatcgt ccataccgac cacaccgacg 145920

aatcccctaa gggggagggg ccattttacg aggaggaggg gtataacaaa gtctgtcttt 145980

aaaaagcagg ggttagggag ttgttcggtc ataagcttca gcgcgaacga ccaactaccc 146040

cgatcatcag ttatccttaa ggtctctttt gtgtggtgcg ttccggtatg ggggggggctg 146100

ccgccaggtt gggggccgtg attttgtttg tcgtcatagt gggcctccat ggggtccgcg 146160

gcaaatatgc cttggcggat gcctctctca agatggccga ccccaatcgc tttcgcggca 146220

aagaccttcc ggtcctggac cagctgaccg accctccggg ggtccggcgc gtgtaccaca 146280

tccaggcggg cctaccggac ccgttccagc cccccagcct cccgatcacg gtttactacg 146340

ccgtgttgga gcgcgcctgc cgcagcgtgc tcctaaacgc accgtcggag gccccccaga 146400

ttgtccgcgg ggcctccgaa gacgtccgga aacaacccta caacctgacc atcgcttggt 146460

ttcggatggg aggcaactgt gctatcccca tcacggtcat ggagtacacc gaatgctcct 146520

acaacaagtc tctgggggcc tgtcccatcc gaacgcagcc ccgctggaac tactatgaca 146580

gcttcagcgc cgtcagcgag gataacctgg ggttcctgat gcacgccccc gcgtttgaga 146640

ccgccggcac gtacctgcgg ctcgtgaaga taaacgactg gacggagatt acacagttta 146700

tcctggagca ccgagccaag ggctcctgta agtacgccct cccgctgcgc atccccccgt 146760

cagcctgcct gtccccccag gcctaccagc agggggtgac ggtggacagc atcgggatgc 146820

tgccccgctt catccccgag aaccagcgca ccgtcgccgt atacagcttg aagatcgccg 146880

ggtggcacgg gcccaaggcc ccatacacga gcaccctgct gcccccggag ctgtccgaga 146940

cccccaacgc cacgcagcca gaactcgccc cggaagaccc cgaggattcg gccctcttgg 147000

aggaccccgt ggggacggtg gcgccgcaaa tcccaccaaa ctggcacata ccgtcgatcc 147060

aggacgccgc gacgccttac catcccccgg ccaccccgaa caacatgggc ctgatcgccg 147120

gcgcggtggg cggcagtctc ctggcagccc tggtcatttg cggaattgtg tactggatgc 147180

gccgccgcac tcaaaaagcc ccaaagcgca tacgcctccc ccacatccgg gaagacgacc 147240

agccgtcctc gcaccagccc ttgttttact agataccccc ccttaatggg tgcgggggggg 147300

tcaggtctgc ggggttggga tgggacctta actccatata aagcgagtct ggaaggggggg 147360

aaaggcggac agtcgataag tcggtagcgg gggacgcgca cctgttccgc ctgtcgcacc 147420

cacagctttt tttgcgaacc gtcccgttcc gggatgccgt gccgcccgtt gcagggcctg 147480

gtgctcgtgg gcctctgggt ctgtgccacc agcctggttg tccgtggccc cacggtcagt 147540

ctggtatcaa actcatttgt ggacgccggg gccttggggc ccgacggcgt agtggaggaa 147600

gacctgctta ttctcgggga gcttcgcttt gtgggggacc aggtccccca caccacctac 147660

tacgatgggg tcgtagagct gtggcactac cccatgggac acaaatgccc acgggtcgtg 147720

catgtcgtca cggtgaccgc gtgcccacgt cgccccgccg tggctttcgc cctgtgtcgc 147780

gcaaccgaca gcactcacag ccccgcatat cccaccctgg agctgaatct ggcccaacag 147840

ccgcttttgc gggtccggag ggcgacgcgt gactatgccg gggtgtacgt gttacgcgta 147900

tgggtcgggg acgcaccaaa cgccagcctg tttgtcctgg ggatggccat agccgccgaa 147960

gggactctgg cgtacaacgg ctcggcccat ggctcctgcg acccgaaact gcttccgtat 148020

tcggccccgc gtctggcccc ggcgagcgta taccaacccg cccctaaccc ggcctccacc 148080

ccctcgacca ccacctccac cccctcgacc accacctcca ccccctcgac caccatcccc 148140

gctccccaag catcgaccac acccttcccc acgggagacc caaaacccca acctcacggg 148200

gtcaaccacg aacccccatc gaatgccacg cgagcgaccc gcgactcgcg atacgcgcta 148260

acggtgaccc agataatcca gatagccatc cccgcgtcca ttatagccct ggtgtttctg 148320

gggagctgta tttgctttat acacagatgt caacgccgct accgacgctc ccgccgcccg 148380

atttacaacc cccagatacc cactggcatc tcatgcgcgg tgaacgaagc ggccatggcc 148440

cgcctcggag ccgagctcaa atcgcatccg agcacccccc ccaaatcccg gcgccggtcg 148500

tcacgcacac caatgccctc cctgacggcc atcgccgaag agtcggagcc cgcgggggcg 148560

gctgggcttc cgacgccccc cgtggacccc acgacatcca ccccaacgcc tcccctgttg 148620

gtataggtcc acggccactg gccgggggca ccacataacc gaccgcagtc actgagttgg 148680

gaataaaccg gtattattta cctatatacg tgtatgtcca tttcttcccc ccccccccg 148740

gaaaccaaag aaggaaacaa agaatggatg ggaggagttc aggaagccgg ggagagggcc 148800

cgcggcgcat ttaaggcgtt gttgtgttga ctttggctct tctggcgggt tggtgcggtg 148860

ctgtttgttg ggctcccatt ttacccgaag atcggctgct atccccggga catggatcgc 148920

ggggcggtgg tggggtttct tctcggtgtt tgtgttgtat cgtgcttggc gggaacgccc 148980

aaaacgtcct ggagacgggt gagtgtcggc gaggacgttt cgttgcttcc agctccgggg 149040

cctacggggc gcggcccgac ccagaaacta ctatgggccg tggaacccct ggatgggtgc 149100

ggccccttac acccgtcgtg ggtctcgctg atgccccca agcaggtgcc cgagacggtc 149160

gtggatgcgg cgtgcatgcg cgctccggtc ccgctggcga tggcgtacgc ccccccggcc 149220

ccatctgcga ccgggggtct acggacggac ttcgtgtggc aggagcgcgc ggccgtggtt 149280

aaccggagtc tggttattta cggggtccga gagacggaca gcggcctgta taccctgtct 149340

gtgggcgaca taaaggaccc ggctcgccaa gtggcctcgg tggtcctggt ggtgcaaccg 149400

gccccagttc cgaccccacc cccgacccca gccgattacg acgaggatga caatgacgag 149460

ggcgagggcg aggacgaaag tctagccggc actcccgcca gcgggacccc ccggctcccg 149520

cctccccccg ccccccgag gtcttggccc agcgcccccg aagtctcaca cgtgcgtggg 149580

gtgaccgtgc gtatggagac tccggaagct atcctgtttt cccccgggga ggcgtttagc 149640

acgaacgtct ccatccatgc catcgcccac gacgaccaga cctacaccat ggacgtcgtc 149700

tggttgaggt tcgacgtgcc gacctcgtgt gccgagatgc gaatatacga atcgtgtctg 149760

tatcacccgc agctcccaga gtgtctgtcc ccggccgacg ctccgtgcgc cgcgagtacg 149820

tggacgtctc gcctggccgt ccgcagctac gcggggtgtt ccagaacaaa ccccccgccg 149880

cgctgttcgg ccgaggctca catggagccc ttcccggggc tggcgtggca ggcggcctcc 149940

gtcaatctgg agttccggga cgcgtcccca caacactccg gcctgtatct gtgcgtggtg 150000

tacgtcaacg accatattca cgcatggggc cacattacca tcagcaccgc ggcgcagtac 150060

cggaacgcgg tggtggaaca gcccctccca cagcgcggcg cggatttggc cgagcccacc 150120

cacccgcacg tcggggcccc tccccacgcg cccccaaccc acggcgccct gcggttaggg 150180

gcggtgatgg gggccgccct gctgctgtct gcgctggggt tgtcggtgtg ggcgtgtatg 150240

acctgttggc gcaggcgtgc ctggcgggcg gttaaaagca gggcctcggg taaggggccc 150300

acgtacattc gcgtggccga cagcgagctg tacgcggact ggagctcgga cagcgaggga 150360

gaacgcgacc aggtcccgtg gctggccccc ccggagagac ccgactctcc ctccaccaat 150420

ggatccggct ttgagatctt atcaccaacg gctccgtctg tataccccg tagcgatggg 150480

catcaatctc gccgccagct cacaaccttt ggatccggaa ggcccgatcg ccgttactcc 150540

caggcctccg attcgtccgt cttctggtaa ggcgccccat cccgaggccc cacgtcggtc 150600

gccgaactgg gcgaccgccg gcgaggtgga cgtcggagac gagctaatcg cgatttccga 150660

cgaacgcgga cccccccgac atgaccgccc gcccctcgcc acgtcgaccg cgccctcgcc 150720

acacccgcga cccccgggct acacggccgt tgtctccccg atggccctcc aggctgtcga 150780

cgccccctcc ctgtttgtcg cctggctggc cgctcggtgg ctccgggggg cttccggcct 150840

gggggccgtc ctgtgtggga ttgcgtggta tgtgacgtca attgcccgag gcgcataaag 150900

ggccggtggt ccgcctagcc gcagcaaatt aaaaatcgtg agtcactgcg accgcaactt 150960

cccacccgga gctttcttcc ggcctcgatg acgtcccggc tctccgatcc caactcctca 151020

gcgcgatccg acatgtccgt gccgctttat cccacggcct cgccagtttc ggtcgaagcc 151080

tactactcgg aaagcgaaga cgaggcggcc aacgacttcc tcgtacgcat gggccgccaa 151140

cagtcggtat taaggcgtcg acgcagacgc acccgctgcg tcggcatggt gatcgcctgt 151200

ctcctcgtgg ccgttctgtc gggcggattt ggggcgctcc tgatgtggct gctccgctaa 151260

aagaccgcat cgacacgcgc gtccttcttg tcgtctctct tccccccccat caccccgcaa 151320

tttgcaccca gcctttaact acattaaatt gggttcgatt ggcaatgttg tctcccggtt 151380

gatttttggg tgggtgggga gtgggtgggt ggggagtggg tgggtgggga gtgggtgggt 151440

ggggagtggg tgggtgggga gtgggtgggt ggggagtggg tgggtgggga gtgggtgggt 151500

ggggagtggg tgggtgggga gtgggtgggt ggggagtggc aaggaagaaa caagcccgac 151560

caccagacag aaaatgtaac catacccaaa ccgactctgg gggctgtttg tggggtcgga 151620

accataggat gaacaaacca ccccgtacct cccgcaccct tgggtgcggg tggctcatcg 151680

gcatctgtcc ggtatgggtt gttccccacc cacttgcgtt cggacgtctt agaatcatgg 151740

cggttttcta tgccgacatc ggttttctcc cccgcaataa gacacgatgc gataaaatct 151800

gtttgtgaaa tttattaagg gtacaaattg ccctagcaca ggggtggggt tagggccggg 151860

tccccacacc caaacgcacc aaacagatgc aggcagtggg tcgagtacag ccccgcgtac 151920

gaacacgtcg atgcgtgtgt cagacagcac cagaaagcac aggccatcaa caggtcgtgc 151980

atatgtcggt gggtttggac gcgggggggcc atggtggtga taaagttaat ggccgccgtc 152040

cgccagggcc acaggggcga cgtctcttgg ttggcccgga gccactgggt gtggaccagc 152100

cgcgcgtggc ggcccaacat ggcccctgta gccgggggcg ggggatcgcg cacgtttgca 152160

gcgcacatgc gagacacctc gaccacggtt cggaagaagg cccggtggtc cgcgggcaac 152220

atcaccaggt gcgcaagcgc ccgggcgtcc agagggtaga gccctgagtc atccgaggtt 152280

ggctcatcgc ccgggtcatg ccgcaagtgc gtgtgggttg ggcttccggt gggcgggacg 152340

cgaaccgcgg tgtggagccc tacgcgggcc cgagcgtacg ctccatcttg tggggagaag 152400

gggtctgggc tcgccagggg ggcatacttg cccgggctat acagacccgc gagccgtacg 152460

tggttcgcgg ggggtgcgtg gggtccgggg ctcccgggga ggccggggct cccggggttg 152520

tcgtggatcc ctggggtcac gcggtaccct ggggtctctg ggagctcgcg gtactctggg 152580

ttccctaggt tctcggggtg gtcgcggaac ccggggctcc cggggaacac gcggtgtcct 152640

ggggattgtt ggcggtcgga cggcttcaga tggcttcgag atcgtagtgt ccgcaccgac 152700

tcgtagtaga cccgaatctc cacattgccc cgccgcttga tcattatcac cccgttgcgg 152760

gggtccggag atcatgcgcg ggtgtcctcg aggtgcgtga acacctctgg ggtgcatgcc 152820

ggcggacggc acgcctttta agtaaacatc tgggtcgccc ggcccaactg gggccggggg 152880

ttgggtctgg ctcatctcga gagccacggg gggaaccacc ctccgcccag aaacttgggc 152940

gatggtcgta cccgggactc aacgggttac cggattacgg ggactgtcgg tcacggtccc 153000

gccggttctt cgatgtgcca cacccaagga tgcgttgggg gcgattttgg gcagcagccc 153060

gggagagcgc agcagaggac gctccgggtc gtgcacggcg gttttggccg cctcccggtc 153120

ctcacgcccc cttttattga tctcatcgcg tacgtcggcg tacgtcctgg gcccaacccg 153180

catgttgtcc aggaaggtgt ccgccatttc cagggcccac gacatgctcc cccgcccgac 153240

gagcaggaag cggtccacgc aacggtcgcc gccggtcgcc ccgacgagca ggaagcggtc 153300

cacgcaacgg tcgccgccgg tcgcctcgac gaggacgttc ctcctgcggg aaggcacgaa 153360

cgcgggtgag ccccctcctc cgcccccgcg tccccctcc tccgcccccg cgtcccccct 153420

cctccgcccc cgcgtccccc ctcctccgcc cccgcgtccc ccctcctccg cccccgcgtc 153480

cccctcctc cgcccccgcg tccccctcc tccacccccg cgtcccccc tcctccgccc 153540

acccaaggtg cttacccgtg cacaaaggcg gaccggtggg tttctgtcgt cggaggcccc 153600

cggggtgcgt cccctgtgtt tcgtgggtgg ggtgggtggg tctttccgcg tgtccctttc 153660

cgatgcgatc ccgatcccga gccggggcgt cgcgatgccg acgccgtccg ctccgacggc 153720

cctctgcgag tcccgctccc ggtccgcgtg ctccgcagcc gctcccgtcg ttcgtggccg 153780

gcgccgtctg cgggcgtcgg tcgcgccggg cctttatgtg cgccggagag acccgccccc 153840

cgccgcccgg gcccgccccc ggggccggcg cggagtcggg cacggcgcca gtgctcgcac 153900

ttcgccctaa taatatatat atattgggac gaagtgcgaa cgcttcgcgt tctcacttct 153960

tttacccggc ggccccgccc ccttggggcg gtcccgcccg ccggccaatg gggggggcggc 154020

aaggcgggcg gcccttgggc cgcccgccgt cccgttggtc ccaacgtccg gcgggcggga 154080

ccgggggccc ggggacggcc aacgggcgcg cggggctcgt atctcattac cgccgaaccg 154140

ggaagtcggg gcccgggccc cgccccccggc ccgttcctcg ttagcatgcg gaacggaagc 154200

ggaaaccacc ggatcgggcg gtaatgagat gccatgcggg gcggggcgcg ggcccacccg 154260

ccctcgcgcc ccgcccatgg cagatggcgc ggatgggcgg ggccgggggt tcgaccaacg 154320

ggccgcggcc acgggccccc ggcgtgccgg cgtcggggcg gggtcgtgca taatggaatt 154380

ccgttcgggg cgggcccgcc tgggggggcgg ggggccggcg gcctccgctg ctcctccttc 154440

ccgccggccc ctgggactat atgagcccga ggacgccccg atcgtccaca cggagcgcgg 154500

ctgccgacac ggatccacga cccgacgcgg gaccgccaga gacagaccgt cagacgctcg 154560

ccgcgccggg acgccgatac gcggacgaag cgcgggaggg ggatcggccg tccctgtcct 154620

ttttcccacc caagcatcga ccggtccgcg ctagttccgc gtcgacggcg ggggtcgtcg 154680

gggtccgtgg gtctcgcccc ctccccatcg agagtccgta ggtgacctac cgtgctacgt 154740

ccgccgtcgc agccgtatcc ccggaggatc gccccgcatc ggcgatggcg tcggagaaca 154800

agcagcgccc cggctccccg ggccccaccg acgggccgcc gcccaccccg agcccagacc 154860

gcgacgagcg gggggccctc gggtggggcg cggagacgga ggagggcggg gacgaccccg 154920

accacgaccc cgaccacccc cacgacctcg acgacgcccg gcgggacggg agggcccccg 154980

cggcgggcac cgacgccggc gaggacgccg gggacgccgt ctcgccgcga cagctggccc 155040

tgctggcctc catggtagag gaggccgtcc ggacgatccc gacgcccgac cccgcggcct 155100

cgccgccccg gacccccgcc tttcgagccg acgacgatga cggggacgag tacgacgacg 155160

cagccgacgc cgccggcgac cgggccccgg cccggggccg cgcacgggag gccccgctac 155220

gcggcgcgta tccggacccc acggaccgcc tgtcgccgcg cccgccggcc cagccgccgc 155280

ggagacgtcg tcacggccgg cggcggccat cggcgtcatc gacctcgtcg gactccgggt 155340

cctcgtcctc gtcgtccgca tcctcttcgt cctcgtcgtc cgacgaggac gaggacgacg 155400

acggcaacga cgcggccgac cgcgcacgcg aggcgcgggc cgtcgggcgg ggtccgtcga 155460

gcgcggcgcc ggaagccccc gggcggacgc cgcccccgcc cgggccaccc cccctctccg 155520

aggccgcgcc caagccccgg gcggcggcga ggacccccgc ggcctccgcg ggccgcatcg 155580

agcgccgccg ggcccgcgcg gcggtggccg gccgcgacgc cacgggccgc ttcacggccg 155640

ggcagccccg gcgggtcgag ctggacgccg acgcggcctc cggcgccttc tacgcgcgct 155700

atcgcgacgg gtacgtcagc ggggagccgt ggcccggcgc cgggcccccg ccccgggggc 155760

gggtgctgta cggcggcctg ggcgacagcc gcccgggcct ctgggggggcg cccgaggcgg 155820

aggaggcgcg acgccggttc gaggcctcgg gcgccccggc ggccgtgtgg gcgcccgagc 155880

tgggcgacgc cgcgcagcag tacgccctga tcacgcggct gctgtacacc ccggacgcgg 155940

aggccatggg gtggctccag aacccgcgcg tggtccccgg ggacgtggcg ctggaccagg 156000

cctgcttccg gatctcgggc gccgcgcgca acagcagctc cttcatcacc ggcagcgtgg 156060

cgcgggccgt gccccacctg ggctacgcca tggcggccgg ccgcttcggc tggggcctgg 156120

cgcacgcggc ggccgccgtg gccatgagcc gccgatacga ccgcgcgcag aagggcttcc 156180

tgctgaccag cctgcgccgc gcctacgcgc ccctgttggc gcgcgagaac gcggcgctga 156240

cgggggccgc ggggagcccc ggcgccggcg cagatgacga gggggtcgcc gccgccgtcg 156300

tcgccgccgc cgccgcaccg ggcgagcgcg cggtgcccgc cgggtacggc gccgcgggga 156360

tcctcgccgc cctggggcgg ctgtccgccg cgcccgcctc ccccgcgggg ggcgacgacc 156420

ccgacgccgc ccgccacgcc gacgccgacg acgacgccgg gcgccgcgcc caggccggcc 156480

gcgtggccgt ggagtgcctg gccgcctgcc gcgggatcct ggaggcgctg gccgagggct 156540

tcgacggcga cctggcggcc gtcccggggc tggccggggc ccggcccgcc agcccccgc 156600

ggccggaggg acccgcgggc cccgcttccc cgccgccgcc gcacgccgac gcgccccgcc 156660

tgcgcgcgtg gctgcgcgag ctgcggttcg tgcgcgacgc gctggtgctc atgcgcctgc 156720

gcggggacct gcgcgtggcc ggcggcagcg aggccgccgt ggccgccgtg cgcgccgtga 156780

gcctggtcgc cggggccctg ggccccgcgc tgccgcggga cccgcgcctg ccgagctccg 156840

cggccgccgc cgccgcggac ctgctgtttg agaaccagag cctgcgcccc ctgctggcgg 156900

cggccgccag cgcaccggac gccgccgacg cgctggcggc cgccgccgcc tccgccgcgc 156960

cgcgggaggg gcgcaagcgc aagagtcccg gcccggcccg gccgcccgga ggcggcggcc 157020

cgcgaccccc gaagacgaag aagagcggcg cggacgcccc cggctcggac gcccgcgccc 157080

ccctccccgc gccccctcc acgcccccgg ggcccgagcc cgcccccgcc cagcccgcgg 157140

cgccccgggc cgccgcggcg caggcccgcc cgcgccccgt ggcgctgtcg cgccggcccg 157200

ccgagggccc cgacccccctg ggcggctggc ggcggcagcc cccggggccc agccacacgg 157260

cggcgcccgc ggccgccgcc ctggaggcct actgctcccc gcgcgccgtg gccgagctca 157320

cggaccaccc gctgttcccc gtcccctggc gaccggccct catgtttgac ccgcgggccc 157380

tggcctcgat cgccgcgcgg tgcgccgggc ccgccgccgc cgcccaggcc gcgtgcggcg 157440

gcggcgacga cgacgataac ccccacccccc acggggccgc cgggggccgc ctctttggcc 157500

ccctgcgcgc ctcgggcccg ctgcgccgca tggcggcctg gatgcgccag atccccgacc 157560

ccgaggacgt gcgcgtggtg gtgctgtact cgccgctgcc gggcgaggac ctggccggcg 157620

gcggggcctc gggggggccg ccggagtggt ccgccgagcg cggcgggctg tcctgcctgc 157680

tggcggccct ggccaaccgg ctgtgcgggc cggacacggc cgcctgggcg ggcaactgga 157740

ccggcgcccc cgacgtgtcg gcgctgggcg cgcagggcgt gctgctgctg tccacgcggg 157800

acctggcctt cgccggggcc gtggagtttc tggggctgct cgccagcgcc ggcgaccggc 157860

ggctcatcgt ggtcaacacc gtgcgcgcct gcgactggcc cgccgacggg cccgcggtgt 157920

cgcggcagca cgcctacctg gcgtgcgacc tgctgcccgc cgtgcagtgc gccgtgcgct 157980

ggccggcggc gcgggacctg cgccgcacgg tgctggcccc gggccgcgtg ttcggcccgg 158040

gggtcttcgc gcgcgtggag gccgcgcacg cgcgcctgta ccccgacgcg ccgccgctgc 158100

gcctgtgccg cggcggcaac gtgcgctacc gcgtgcgcac gcgcttcggc ccggacacgc 158160

cggtgcccat gtccccgcgc gagtaccgcc gggccgtgct gccggcgctg gacggccggg 158220

cggcggcctc ggggaccacc gacgccatgg cgcccggcgc gccggacttc tgcgaggagg 158280

aggcccactc gcaccgcgcc tgcgcgcgct ggggcctggg cgcgccgctg cggcccgtgt 158340

acgtggcgct ggggcgcgag gcggtgcgcg ccggcccggc ccggtggcgc gggccgcgga 158400

gggacttttg cgcccgcgcc ctgctggagc ccgacgacga cgcccccccg ctggtgctgc 158460

gcggcggcga cgacgacgac gacggcccgg gggccctgcc gccggcgttg cccgggattc 158520

gctgggcctc ggccacgggc cgcagcggca ccgtgctggc ggcggcgggg gccgtggagg 158580

tgctgggggc ggaggcgggc ttggccacgc ccccgcgacg ggaagttgtg gactgggaag 158640

gcgcctggga cgacgacgac ggcggcgcgt tcgaggggga cggggtgctg taacgggccg 158700

ggacggggcg gggcgcttgc gaaacccgaa gacgcaataa acgacaacga cctgatttag 158760

ttttgcagta gcgttgttta tttcgagggg cgggaggggg cgaggggcgg gaggggggcga 158820

ggggcgggag ggggcgaggg gcgggagggg gcgaggggcg ggaggggggcg aggggcggga 158880

gggggcgagg ggcgggaggg ggcgaggggc gggaggggggc gaggggcggg aggggggcgag 158940

gggcgggagg gggcgagggg cgggaggggg cgaggggcgg gaggggggcga ggggcgggag 159000

ggggcgaggg gcgggaggggg gcgaggggcg ggaggggggcg aggggcggga gggggcgagg 159060

ggcgggaggg ggcgaggggc gggaggggggc gaggggcggg aggggggcgag gggcggtggt 159120

ggtgcgcggg cgccccccgga gggtttggat ctctgacctg agattggcgg cactgaggta 159180

gagatgcccg aacccccccg agggagcgcg ggacgcggcc ggggagggct ggggccgggg 159240

agggctgggg ccggggaggg ctggggccgg ggagggctgg ggccggggag ggctggggcc 159300

ggggagggct ggggccgggg agggctgggg ctggggaggg ctggggctgg ggagggctgg 159360

ggcggtggtg tgtgacagga gcggcgtgtt gcgctggggg acgtctggag gagcgggggg 159420

tgcgcggtga cgtgtggatg aggaacagga gttgttgcgc ggtgagttgt cgctgtgagt 159480

tgtgttggtg ggcaggtgtg gtggatgacg tgacgtgtga cgtgtggatg aggaaccgga 159540

gtcgccggtg cgccgtgctg ttggtgttct gttggtgttg ttacacctgt ggcagcccgg 159600

gccccccgcg ggcggggcgg cgcgcaaaaa aggcgggcgg cggtccgggc ggcgtgcgcg 159660

cgcgcggcgg gcgttggggg agcgggggga ggagcggggg gaggagcggg gggaggagcg 159720

gggggaggag cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg 159780

gggggaggag cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg 159840

gggggaggag cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg 159900

gaaaacgggc ccccccgaa acacacccc cgggggtcgc gcgcggccct ttaaagcg 159958

<210> 9
<211> 159285
<212> DNA
<213> Artificial Sequence

<220>
<223> C174 from HSV-C134 Complete Viral Genome v1 Chimeric HSV expressing EphA2-Endo-ML

<400> 9
agcccgggcc ccccgcgggc ggggcggcgc gcaaaaaagg cgggcggcgg tccgggcggc 60

gtgcgcgcgc gcggcgggcg ttggggagcg gggggaggag cgggggggagg agcgggggga 120

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 180

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 240

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 300

ggagcggaaa acgggccccc cccgaaacac acccccgggg ggtcgcgcgc ggcctttaa 360

agcgcggcgg cgcagcccgg gccccccgcg gccgagacga gcgagttaga caggcaagca 420

ctactcgcct ctgcacgcac atgcttgcct gtcaaactct accaccccgg cacgctctct 480

gtctccatgg cccgccgccg ccgccatcgc ggcccccgcc gcccccggcc gcccgggccc 540

acgggcgccg tcccaaccgc acagtcccag gtaaccgcct atgggaatga aagaccccac 600

ctgtaggttt ggcaagctag gatcaaggtc aggaacagag aaacaggaga atatgggcca 660

aacaggatat ctgtggtaag cagttcctgc cccgctcagg gccaagaaca gttggaacag 720

gagaatatgg gccaaacagg atatctgtgg taagcagttc ctgccccgct cagggccaag 780

aacagatggt ccccagatgc ggtcccgccc tcagcagttt ctagagaacc atcagatgtt 840

tccagggtgc cccaaggacc tgaaatgacc ctgtgcctta tttgaactaa ccaatcagtt 900

cgcttctcgc ttctgttcgc gcgcttctgc tccccgagct ctatataagc agagctggtt 960

tagtgaaccg tcagatcgcc tggagacgcc atccacgctg ttttgacctc catagaagac 1020

accgactcta gctagaggat ctcctaggaa gctggccgca caaagtggta ccggatcccg 1080

ggtcgaccat ggagctccgg gcagtcggtt tctgcctggc gctgctgtgg ggttgcgcgc 1140

tggcggccgc ggcggcacag ggaaaggaag ttgtccgttt ttccaagtca gaacaactaa 1200

agcccctgaa gacctatgtg gatcctcaca cttacgaaga ccccaaccag gctgtactca 1260

agtttaccac cgagatccac ccatcctgtg tggcaaggca gaaggtcatt ggagcaggag 1320

agtttggaga ggtctataaa gggacgctga aggcatcctc ggggaagaag gagataccgg 1380

tggccatcaa gacactgaaa gcgggctaca ctgagaagca gcgggtggac ttcctgagcg 1440

aggccagcat catgggccag tttagccacc acaatatcat ccgcctggag ggcgtggtct 1500

ctaaatacaa acccatgatg attatcacag agtacatgga gaatggagcg ctagacaagt 1560

tccttaggga gaaggatggt gagttcagtg tacttcagtt ggtgggcatg ctgaggggta 1620

tcgcatccgg catgaagtac ctggccaaca tgaactacgt gcaccgggac ctggccgccc 1680

gcaacatcct cgtcaacagc aacctggtgt gcaaggtgtc cgattttggc ctgtcgcgtg 1740

tgctggaaga tgaccccgag gccacctaca ccacaagtgg cggcaagatc cctattcgat 1800

ggacagcccc agaggccatt tcctaccgca agttcacctc agccagcgat gtgtggagct 1860

acggcattgt catgtgggaa gtgatgactt atggcgaacg gccctactgg gaactgtcaa 1920

accacgaggt catgaaagcc atcaacgacg gcttccggct ccctacgccc atggactgcc 1980

cttcagccat ttaccagctc atgatgcagt gctggcagca agagcgctcc cgccgaccca 2040

agtttgccga catcgttagc atcctggaca agctcatccg agcccccgac tccctcaaga 2100

cgctggctga ctttgatccc cgagtgtcca tccggctgcc cagcaccagc ggctcggagg 2160

gagtcccctt ccgtacggtg tccgagtggc tggagagcat caagatgcaa cagtacacgg 2220

aacacttcat ggtggctggc tacacggcca tcgagaaggt ggtacagatg tccaacgaag 2280

acatcaaaag gatcggagtg cgtcttcctg gccaccagaa gcgtattgcc tacagcctgc 2340

tgggactcaa ggaccaggtc aacacagtgg ggattcctat cgggaattca gaacaaaaac 2400

tcatctcaga agaagatcta ggaggcggcg ggtcaggtgg aggtggctct ggcggtggcg 2460

gttaaaattc cgactcacta tagggcgaat taattccgga gatctctaga tccggagaga 2520

cgatggcagg agccgcgcat atatacgctt ggagccagcc cgccctcaca gggcgggccg 2580

cctcgggggc gggactggcc aatcggcggc cgccagcgcg gcggggcccg gccaaccagc 2640

gtccgccgag tcttcggggc ccggcccatt gggcgggagt taccgcccaa tgggccgggc 2700

cgcccacttc ccggtatggt aattaaaaac ttgcaagagg ccttgttccg cttcccggta 2760

tggtaattag aaactcatta atgggcggcc ccggccgccc ttcccgcttc cggcaattcc 2820

cgcggccctt aatgggcaac cccggtattc cccgcctccc gcgccgcgcg taaccactcc 2880

cctggggttc cgggttatgc taattgcttt tttggcggaa cacacggccc ctcgcgcatt 2940

ggcccgcggg tcgctcaatg aacccgcatt ggtcccctgg ggttccgggt atggtaatga 3000

gtttcttcgg gaaggcggga agccccgggg caccgacgca ggccaagccc ctgttgcgtc 3060

ggtgggaggg gcatgctaat ggggttcttt gggggacacc gggttggtcc cccaaatcgg 3120

gggccgggcc gtgcatgcta atgatattct ttgggggcgc cgggttggtc cccggggacg 3180

gggccgcccc gcggtgggcc tgcctcccct gggacgcgcg gccattgggg gaatcgtcac 3240

tgccgccccc ttggggaggg gaaaggcgtg gggtataagt tagccctggc ccgacagtct 3300

ggtcgcattt gcacctcggc actcggagcg agacgcagca gccaggcaga ctcgggccgc 3360

cccctctccg catcaccaca gaagccccgc ctacgttgcg acccccaggg accctccgtc 3420

cgcgaccctc caaccgcata cgacccccat ggagccccgc cccggagcga gtacccgccg 3480

gcctgagggc cgcccccagc gcgaggtgag gggccgggcg ccatgtctgg ggcgccatat 3540

tgggggggcgc catattgggg ggcgccatgt tgggggaccc ccgaccctta cactggaacc 3600

ggccgccatg ttgggggacc cccactcata cacgggagcc gggcgccatg ttaggggggcg 3660

tggaaccccg tgacactata tatacaggga ccgggggcgc catgttaggg ggcgcggaac 3720

cccctgaccc tatatataca gggaccgggg tcgccctgtt gggggtcgcc atgtgacccc 3780

ctgactttat atatacagac cccccaacac atacacatgg ccccctttgac tcagacgcag 3840

ggcccggggt cgccgtggga ccccctgact catacacaga gacacgcccc cacaacaaac 3900

acacagggac cggggtcgcc gtgttagggg gcgtggtccc cactgactca tacgcagggc 3960

cccttactc acacgcatct agggggggtgg ggaggagccg cccgccatat ttgggggacg 4020

ccgtgggacc cccgactccg gtgcgtctgg agggcgggag aagagggaag aagaggggtc 4080

gggatccaaa ggacggaccc agaccacctt tggttgcaga ccccttttctc cccctcttc 4140

cgaggccagc agggggggcag gactttgtga ggcgggggggg gggagagggg gaactcgtgg 4200

gcgctgattg acgcgggaaa tccccccatt cttacccgcc ccccttttttt tcccttagc 4260

ccgccccgga tgtctgggtg tttccctgcg accgagacct gccggacagc agcgactctg 4320

aggcggagac cgaagtgggg gggcgggggg acgccgacca ccatgacgac gactccgcct 4380

ccgaggcgga cagcacggac acggaactgt tcgagacggg gctgctgggg ccgcagggcg 4440

tggatggggg ggcggtctcg ggggggagcc ccccccgcga ggaagacccc ggcagttgcg 4500

ggggcgcccc ccctcgagag gacgggggga gcgacgaggg cgacgtgtgc gccgtgtgca 4560

cggatgagat cgcgccccac ctgcgctgcg acaccttccc gtgcatgcac cgcttctgca 4620

tcccgtgcat gaaaacctgg atgcaattgc gcaacacctg cccgctgtgc aacgccaagc 4680

tggtgtacct gatagtgggc gtgacgccca gcgggtcgtt cagcaccatc ccgatcgtga 4740

acgaccccca gacccgcatg gaggccgagg aggccgtcag ggcgggcacg gccgtggact 4800

ttatctggac gggcaatcag cggttcgccc cgcggtacct gaccctgggg gggcacacgg 4860

tgagggccct gtcgcccacc caccctgagc ccaccacgga cgaggatgac gacgacctgg 4920

acgacggtga ggcgggggggg cggcgaggac cctgggggag gaggaggagg agggggggagg 4980

gaggaatagg cgggcggggg ggcgaggaaa gggcgggcgc ggaaagggag ggcctgggag 5040

ggggcgtaac ctgatcgcgc cccccgttgt ctcttgcagc agactacgta ccgcccgccc 5100

cccgccggac gccccgcgcc cccccacgca gaggcgccgc cgcgcccccc gtgacgggcg 5160

gggcgtctca cgcagccccc cagccggccg cggctcggac agcgcccccc tcggcgccca 5220

tcgggccaca cggcagcagt aacaccaaca ccaccaccaa cagcagcggc ggcggcggcg 5280

gctcccgcca gtcgcgagcc gcggcgccgc ggggggcgtc tggcccctcc gggggggttg 5340

gggttggggt tggggttgtt gaagcggagg cggggcggcc gaggggccgg acgggccccc 5400

ttgtcaacag acccgccccc cttgcaaaca acagagaccc catagtgatc agcgactccc 5460

ccccggcctc tccccacagg ccccccgcgg cgcccatgcc aggctccgcc ccccgccccg 5520

ggcccaccgc gtcctcggcc gcgtcgggac ccgcgcgccc ccgcgcggcc gtggccccgt 5580

gcgtgcgagc gccgcctccg gggcccggcc cccgcgcccc ggcccccgcg gacgcgcgcc 5640

gtgtgcccca gtcgcactcg tccctggctc aggccgcgaa ccaagaacag agtctgtgcc 5700

gggcgcgtgc gacggtggcg cgcggctcgg gggggccggg cgtggagggt ggacacgggc 5760

cctcccgcgg cgccgccccc tccggcgccc ccccgctccc ctccgccgcc tctgtcgagc 5820

aggaggcggc ggtgcgtccg aggaagaggc gcgggtcggg ccaggaaaac ccctcccccc 5880

agtccacgcg tccccccctc gcgccggcag gggccaagag ggcggcgacg cacccccccc 5940

ccgactcagg gccgggggggg cgcggccagg gtgggcccgg gacccccctg acgtcctcgg 6000

cggcctccgc ctcttcctcc tctgcctctt cctcctcggc cccgactccc gcgggggccg 6060

cctcttccgc cgccggggcc gcgtcctcct ccgcttccgc ctcctcgggc ggggccgtcg 6120

gtgccctggg agggagacaa gaggaaacct ccctcggccc ccgcgctgct tctgggccgc 6180

gggggccgag gaagtgtgcc cggaagacgc gccacgcgga gacttccggg gccgcccccg 6240

cgggcggcct cacgcgctac ctgcccatct cgggggtctc tagcgtggtc gccctgtcgc 6300

cttacgtgaa caagacgatc acgggggact gcctgcccat cctggacatg gagacgggga 6360

acatcggggc gtacgtggtc ctggtggacc agacgggaaa catggcgacc cggctgcggg 6420

ccgcggtccc cggctggagc cgccgcaccc tgctccccga gaccgcgggt aaccacgtga 6480

tgccccccga gtacccgacg gcccccgcgt cggagtggaa cagcctctgg atgacccccg 6540

tggggaacat gctgttcgac cagggcaccc tagtgggcgc cctggacttc cgcagcctgc 6600

ggtctcggca cccgtggtcc ggggagcagg gggcgtcgac ccgggacgag ggaaaacaat 6660

aagggacgcc ccccgtgttt gtggggaggg gggggtcggg cgctgggtgg tctctggccg 6720

cgcccactac accagccaat ccgtgtcggg gaggggaaaa gtgaaagaca cgggcaccac 6780

acaccagcgg gtctttagtg ttggccctaa taaaaaactc aggggatttt tgctgtctat 6840

tgggaaataa aggtttactt ttgtatcttt tccctgtctg tgttggatgg atctcggggg 6900

tgcgtgggag tgggggtgcg tgggagtggg ggtgcgtggg agtgggggtg cgtgggagtg 6960

ggggtgcgtg ggagtggggg tgcgtgggag tgggggtgcg tgggagtggg ggtgcgtggg 7020

agtgggggtg cgtgggagtg ggggtgccat gttgggcagg ctctggtgtt aaccacagag 7080

ccgcggcccg ggctgcctga ccaccgatcc ccgaaagcat cctgccactg gcatggagcc 7140

agaaccacag tgggttgggt gtgggtgtta agtttccgcg agcgcctgcc cgcccggact 7200

gacctggcct ctggccgcca caaagggcgg gggggggtta actacactat agggcaacaa 7260

aggacgggag gggtggcggg gcgggacggg gcgcccaaaa gggggtcggc cacaccacag 7320

acgtgggtgt tgggggggtgg ggcggagggg tgggggggga gacagaaaca ggaacatagt 7380

tagaaaacaa gaatgcggtg cagccagaga atcacaggag acgaggggat gggcgtgttg 7440

gttaccaacc cacacccagg catgctcggt ggtatgaagg agggggggcg gtgcttctta 7500

gagaccgccg ggggacgtgg ggttggtgtg cagaggcacg cgcacccgcg tcggccaggt 7560

gggccggtac cccatccccc ctcccccgac ccttcccacc cccgcgtgcc agagatcacc 7620

ccggtccccc ggcacccgcc actcctccat atcctcgctt taggaacaac tttaggggggg 7680

gtacacacgc gccgtgcatt tccttccaca ccccccctcc cccgcactcc ccccccccg 7740

gcagtaagac ccaagcatag agagccaggc acaaaaacac aggcggggtg ggacacatgc 7800

cttcttggag tacgtgggtc attggcgtgg ggggttacag cgacaccggc cgacccccctg 7860

gcggtcttcc agccggccct tagataaggg ggcagttggt ggtcggacgg gtaagtaaca 7920

gagtctgact aagggtggga ggggggggaaa agaacgggct ggtgtgctgt aacacgagcc 7980

cacccgcgag tggcgtggcc gaccttagcc tctggggcgc cccctgtcgt ttgggtcccc 8040

cccctctatt ggggagaagc aggtgtctaa cctacctgga aacgcggcgt ctttgttgaa 8100

ccacaccggg gcgcccttga cgagtgggat aacgggggag gaagggaggg aggagggtac 8160

tgggggtgaa gaagggggggg gggggagaag cgagaacagg aaaggcgacg gagcccgaca 8220

aaacaccgag aaaaaaaaac cacagcgcat gcgccgggcc gttgtggggc cccgggccgg 8280

ggcccccttgg gtccgccggg gccccgggcc gggccgccac gggggccggc cgttggcggt 8340

aaccccgatt gtttatctca ggccccgggc cgggaacccg gaaaagcctc cgggggggcct 8400

ttttcgcgtc gcgtgccggc gagcgggccc ggacggggcc cggaccgccg cggtcggggg 8460

ccccctcgtc ccgggccgta cgcggccttc gccccgtgag gggacagacg aacgaaacat 8520

tccggcgacg gaacgaaaaa caccccagac gggttaaaga aacagaaacc gcaacccccc 8580

ccacccccga aacggggaaa acaaaaaaca gaccagcggc cggccggcgc ttaggggggag 8640

gatgtcgccg acgccccttg gccgccccgg ctgcaggggg gcccggagag ccgcggcacc 8700

cggacgcgcc cggaaagtct ttcgcaccac ccgcgatcgg cacggccgcg cccccgcttt 8760

tataaaggct cagatgacgc agcaaaaaca ggccacagca ccacgtgggt aggtgatgta 8820

attttatttt cctcgtctgc ggcctaatgg atttccgggc gcggtgcccc tgtctgcaga 8880

gcacttaacg gattgatatc tcgcgggcac gcgcgccctt aatggaccgg cgcggggcgg 8940

ggggccggat acccacacgg gcgggggggg gggtgtcgcg ggccgtctgc tggcccgcgg 9000

ccacataaac aatgactctg ggcctttctg cctctgccgc ttgtgtgtgc gcgcgccggc 9060

tctgcggtgt cggcggcggc tgcggcggct gcggcggccg ccgtgttcgg tctcggtagc 9120

cggccggcgg gtggactcgc gggggggccgg agggtggaag gcaggggggt gtaggatggg 9180

tatcaggact tccacttccc gtccttccat cccccgttcc cctcggttgt tcctcgcccc 9240

cccccacacc ccgccgcttt ccgttggggt tgttattgtt gtcgggatcg tgcgggccgg 9300

gggtcgccgg ggcaggggcg ggggcggggg tgctcgtcga tcgaccgggc tcagtggggg 9360

cgtggggtgg gggggaaaag gcgaagagac tgggggtggg ggggggtgtc gggggtggct 9420

gtttttttttt gtgggtgttt tttgtggctg ttcccgtccc ccgtcacccc cctccctccg 9480

tccccccgtc gcgggtgttt gtgtttgttt attccgacat cggtttattt aaataaacac 9540

agccgttctg cgtgtctgtt cttgcgtgtg gctgggggct tatatgtggg gtcccggggg 9600

cgggatgggg tttagcggcg gggggcggcg cgccggacgg ggcgctggag ataacggccc 9660

ccggggaacg ggggaccggg gctgggtctc ccgaggtggg tgggtgggcg gcggtggccg 9720

ggccgggccg ggccgggtgg gcggggtttg gaaaaacgag gaggaggagg aggagaagga 9780

ggggggggga gacgggggga aagcaaggac acggcccggg gggtgggagc gcgggccggg 9840

ccgctcgtaa gagccgcgac ccggccgccg gggagcgttg tcgccgtcgg tctgccggcc 9900

cccgtccctc ccttttttga ccaaccagcg ccccccccccc tcaccaccat tcctaccacc 9960

accaccacca ccgacacctc ccgcacaccc ccgcccacac tccccccccc cacccaaccc 10020

gcaccacgag cacgggttgg gggtagcagg ggatcaaagg ggggcaaggc cggcggggcg 10080

gttcgggggc gggggcggga gaccgagtag gccccgccca tccgcggccc ctcccggcag 10140

ccacgccccc cagcgtcggg tgtcacgggg aaagagcagg gggagagggg agagggggag 10200

agaggggaga gggggggaga ggggagaggg ggggagaggg gagagggggg gagaggggag 10260

agggggggag aggggagagg gggggagagg ggagaggggg ggagagggga gaggggggga 10320

gaggggagag gggggggagag gggagagggg gggagagggg gtatataaac caacgaaaag 10380

cgcgggaacg gggatacggg gcttgtgtgg cacgacgtcg tggttgtgtt actgggcaaa 10440

cacttgggga ctgtaggttt ctgtgggtgc cgaccctagg cgctatgggg attttgggtt 10500

gggtcgggct tattgccgtt ggggttttgt gtgtgcgggg gggcttgtct tcaaccgaat 10560

atgttattcg gagtcgggtg gctcgagagg tgggggatat attaaaggtg ccttgtgtgc 10620

cgctcccgtc tgacgatctt gattggcgtt acgagacccc ctcggctata aactatgctt 10680

tgatagacgg tatatttttg cgttatcact gtcccggatt ggacacggtc ttgtgggata 10740

ggcatgccca gaaggcatat tgggttaacc ccttttttatt tgtggcgggt tttttggagg 10800

acttgagtca ccccgcattt cctgccaaca cccaggaaac agaaacgcgc ttggcccttt 10860

ataaagagat acgccaggcg ctggacagtc gcaagcaggc cgccagccac acacctgtga 10920

aggctgggtg tgtgaacttt gactattcgc gcacccgccg ctgtgtaggg cgacaggatt 10980

tgggacctac caacggaacg tctggacgga ccccggttct gccgccggac gatgaagcgg 11040

gcctgcagcc gaagcccctc accacgccgc cgcccatcat cgccacgttg gaccccaccc 11100

cgcgacggga cgccgccgca aaaagcagac gccgacgacc ccactcccgg cgcatctaat 11160

gatgccgcga cggaaacccg tccgggttcg gggggcgaac cggccgcctg tcgctcgtca 11220

gggccggcgg gcgctcctcg ccgccctaga ggctgtcccg ctggtgtgac gttttcctcg 11280

tccgcgcccc ccgaccctcc catggattta acaaacgggg gggtgtcgcc tgtggcgacc 11340

tcggcgcctc tggactggac cacgtttcgg cgtgtgtttc tgatcgacga cgcgtggcgg 11400

cccctgttgg agcctgagct ggcgaacccc ttaaccgccc acctcctgac cgaatataat 11460

cgtcggtgcc agaccgaaga ggtgctgccg ccgcgggagg atgtgttttc gtggactcgt 11520

tattgcaccc ccgacgaggt gcgcgtggtt atcatcggcc aggacccata tcaccacccc 11580

ggccaggcgc acggacttgc gtttagcgtg cgcgcgaacg tgccgcctcc cccgagtctt 11640

cggaatgtct tggcggccgt caagaactgt tatcccgagg cacggatgag cggccacggt 11700

tgcctggaaa agtgggcgcg ggacggcgtc ctgttactaa acacgaccct gaccgtcaag 11760

cgcggggcgg cggcgtccca ctctagaatc ggttgggacc gcttcgtggg cggagttatc 11820

cgccggttgg ccgcgcgccg ccccggcctg gtgtttatgc tctggggcgc acatgcccag 11880

aatgccatca ggccggaccc tcgggtccat tgcgtcctca agttttcgca cccgtcgccc 11940

ctctccaagg ttccgttcgg aacatgccag catttcctcg tggcgaatcg atatctcgag 12000

acccggtcga tttcacccat cgactggtcg gtttgaaagg catcgacgtc cggggttttc 12060

gtctgtgggg gcttttgggt atttccgatg aataaagacg gttaatggtt aaacctctgg 12120

tctcatacgg gtcggtgatg tcgggcgtcg ggggagaggg agttccctct gcgcttgcga 12180

ttctagcctc gtggggctgg acgttcgaca cgccaaacca cgagtcaggg atatcgccag 12240

atacgactcc cgcagattcc attcgggggg ccgctgtggc ctcacctgac caacctttac 12300

acgggggccc ggaacgggag gccacagcgc cgtctttctc cccaacgcgc gcggatgacg 12360

gcccgccctg taccgacggg ccctacgtga cgtttgatac cctgtttatg gtgtcgtcga 12420

tcgacgaatt agggcgtcgc cagctcacgg acaccatccg caaggacctg cggttgtcgc 12480

tggccaagtt tagcattgcg tgcaccaaga cctcctcgtt ttcgggaaac gccccgcgcc 12540

accacagacg cggggcgttc cagcgcggca cgcgggcgcc gcgcagcaac aaaagccttc 12600

agatgtttgt gttgtgcaaa cgcacccacg ccgctcgagt gcgagagcag cttcgggtcg 12660

ttattcagtc ccgcaagccg cgcaagtatt acacgcgatc ttcggacggg cggctctgcc 12720

ccgccgtccc cgtgttcgtc cacgagttcg tctcgtccga gccaatgcgc ctccaccgag 12780

ataacgtcat gctggcctcg ggggccgagt aaccgccccc ccgcgccacc ctcactgccc 12840

gtcgcgcgtg tttgatgtta ataaataacg cataaattat cttaatagat ctcccgatcc 12900

cctatggtgc actctcagta caatctgctc tgatgccgca tagttaagcc agtatctgct 12960

ccctgcttgt gtgttggagg tcgctgagta gtgcgcgagc aaaatttaag ctacaacaag 13020

gcaaggcttg accgacaatt gcatgaagaa tctgcttagg gttaggcgtt ttgcgctgct 13080

tcgcgatgta cgggccagat atacgcgttg acattgatta ttgactagtt attaatagta 13140

atcaattacg gggtcattag ttcatagccc atatatggag ttccacgtta cataacttac 13200

ggtaaatggc ccgcctggct gaccgcccaa cgacccccgc ccattgacgt caataatgac 13260

gtatgttccc atagtaacgc caatagggac tttccattga cgtcaatggg tggagtattt 13320

acggtaaact gcccacttgg cagtacatca agtgtatcat atgccaagta cgcccccctat 13380

tgacgtcaat gacggtaaat ggcccgcctg gcattatgcc cagtacatga ccttatggga 13440

ctttcctact tggcagtaca tctacgtatt agtcatcgct attaccatgg tgatgcggtt 13500

ttggcagtac atcaatgggc gtggatagcg gtttgactca cggggatttc caagtctcca 13560

ccccattgac gtcaatggga gtttgttttg gcaccaaaat caacgggact ttccaaaatg 13620

tcgtaacaac tccgccccat tgacgcaaat gggcggtagg cgtgtacggt gggaggtcta 13680

tataagcaga gctctctggc taactagaga acccactgct tactggctta tcgaaattaa 13740

tacgactcac tatagggaga cccaagctgg ctagttaagc ttggtaccga gctcggatcc 13800

actagtccag tgtggtggaa ttgcccttgg atcctcaatg gcccagcgca acggcatgtc 13860

gccgcgcccc ccgcccctcg gtcgcggccg cggggccgga gggccttcgg gggttggttc 13920

ctctcctcct tcttcttgtg tgccgatggg agcgccgtcc acagcgggca ctggtgcgag 13980

tgctgcggct acgacgacgc cgggccacgg cgtccaccgg gtagaacccc gcgggccgcc 14040

gggcgcccct ccgagtagcg acaacaatgg caacttttgg cacggcccgg agcgcctgtt 14100

gctgtctcag attccggtgg agcgccaggc gctgacggag ctggaatacc aggccatggg 14160

cgccgtgtgg cgcgcggcgt ttttggccaa cagcacgggc cgcgccatgc gcaagtggtc 14220

gcagcgcgac gcgggcacgc tgctgccgct cggacggccg tacggattct acgcgcgggt 14280

gacgccgcgc agccagatga acggcgtggg cgcgacggac ctgcgtcaac tgtcgccgcg 14340

ggacgcgtgg atcgtactgg tggctaccgt ggtgcacgag gtggaccccg cagccgaccc 14400

gacgttgggc gacaaggccg gccatcccga gggtctgtgc gcgcaggacg gactgtacct 14460

ggcgctgggc gccgggttcc gcgtgttcgt gtacgacctg gcaaacaaca cgctgatcct 14520

agcggcgcgc gacgcggacg agtggtttcg gcacggcgcg ggcgaggtgg tgcggctgta 14580

ccgctgcaac cggctgggcg tgggcacccc gcgcgcgacg ctgctgcctc agccggcgct 14640

ccgacagacg ttgctgcgcg ccgaggaggc gacggcgctc ggacgggagc tgcgccggcg 14700

gtgggccggc acgacggtgg cgctgcagac gccgggcagg cgactgcagc cgatggtact 14760

gctgggcgcg tggcaggagc tggcgcagta cgagccgttc gcgtcggcgc cgcaccccgc 14820

gtcgctgctg acggccgtgc gtcggcacct gaaccagcgt ctgtgctgcg gctggctggc 14880

gctgggcgcg gtgctgcccg cgcggtggct gggctgcgcg gcggggccgg cgacggggac 14940

ggcggcgggg acgacgtcgc cgccagcggc gagcggcacg gagacggagg ccgccggcgg 15000

ggacgcgccg tgcgcgatag cgggagccgt ggggtccgct gtacctgtgc ctccgcagcc 15060

gtacggcgcc gccggcgggg gcgcgatttg cgtgcctaac gcggacgcgc acgcggtggt 15120

cggggcggac gcggcagcag cagcggcgcc gacggtgatg gtgggttcga cagcgatggc 15180

gggtccggcg gcgtcgggga ccgtgccgcg cgccatgctg gtggtgctgc tggacgagct 15240

gggcgccgtg ttcgggtact gcccgctgga cgggcacgtg tacccgctgg cggcggagct 15300

gtcgcacttt ctgcgcgcgg gcgtgctggg cgcgctggcg ctgggacgcg agtcggcgcc 15360

cgccgccgag gccgcgcggc ggctgctgcc cgagctggac cgcgagcagt gggagcggcc 15420

gcgctgggac gcgctgcacc tgcacccgcg cgccgcgctg tgggcgcgcg agccgcacgg 15480

gcagtgggag ttcatgtttc gcgaacaacg cggtgacccc ataaatgatc ccctcgcatt 15540

tcgtctttcg gacgctcgaa ctctcggtct cgacctcacc accgtcatga cagagcgtca 15600

aagtcaattg cccgaaaagt atatcggttt ctatcagatt aggaaacctc cttggctcat 15660

ggaacaacct ccacccccat ctcgccaaac caaaccggac gctgcaacga tgcccccacc 15720

gctcagtgct caggcaagcg tcagctacgc gctccgatac gatgacgagt cctggcgccc 15780

gctcagcaca gttgacgacc acaaagcctg gttggatctc gacgaatcac attgggtcct 15840

cggggacagc cgacccgacg atataaaaca acgcagactg ctgaaggcca ctcaacgacg 15900

aggcgccgaa atcgacagac ccatgcctgt cgtgcctgaa gaatgttacg accaacgctt 15960

cactaccgaa ggccaccagg tcatcccgtt gtgcgcgtcc gaacccgagg atgacgacga 16020

agatcctacc tacgacgaat tgccgtcgcg cccaccccag aaacataagc cgccagacaa 16080

acctccgcgc ttatgcaaaa cgggccccgg cccacctccg ctgccgccaa agcaacggca 16140

cggttccacc gacggaaaag tttctgcgcc ccgacagtcg gagcatcata aaagacagac 16200

ccgaccgcca aggccgccac cgcccaaatt cggggataga accgcggccc atctctcgca 16260

aaatatgcgg gacatgtacc tcgatatgtg tacatcttcg ggccacaggc cacggccgcc 16320

agcacctccg cggccgaaaa aatgtcaaac acacgcccct caccacgttc atcataagct 16380

taagggcaat tctgcagata tccagcacag tggcggccgc tcgagtctag agggcccgcg 16440

gttcgaaggt aagcctatcc ctaaccctct cctcggtctc gattctacgc gtaccggtca 16500

tcatcaccat caccattgag tttaaacccg ctgatcagcc tcgactgtgc cttctagttg 16560

ccagccatct gttgtttgcc cctcccccgt gccttccttg accctggaag gtgccactcc 16620

cactgtcctt tcctaataaa atgaggaaat tgcatcgcat tgtctgagta ggtgtcattc 16680

tattctgggg ggtggggtgg ggcaggacag caagggggag gattgggaag acaatagcag 16740

gcatgctggg gatgcggtgg gctctatggc ttctgaggcg gaaagaacca gctggggctc 16800

taggggtat ccccacgcgc cctgtagcgg cgcattaagc gcggcgggtg tggtggttac 16860

gcgcagcgtg accgctacac ttgccagcgc cctagcgccc gctcctttcg ctttcttccc 16920

ttcctttctc gccacgttcg ccggctttcc ccgtcaagct ctaaatcggg ggctcccttt 16980

agggttccga tttagtgctt tacggcacct cgaccccaaa aaacttgatt agggtgatgg 17040

ttcacgtagt gggccatcgc cctgatagac ggtttttcgc cctttgacgt tggagtccac 17100

gttctttaat agtggactct tgttccaaac tggaacaaca ctcaacccta tctcggtcta 17160

ttcttttgat ttataaggga ttttgccgat ttcggcctat tggttaaaaa atgagctgat 17220

ttaacaaaaa tttaacgcga attaattctg tggaatgtgt gtcagttagg gtgtggaaag 17280

tccccaggct ccccagcagg cagaagtatg caaagcatgc atctcaatta gtcagcaacc 17340

aggtgtggaa agtccccagg ctccccagca ggcagaagta tgcaaagcat gcatctcaat 17400

tagtcagcaa ccatagtccc gcccctaact ccgcccatcc cgcccctaac tccgcccagt 17460

tccgcccatt ctccgcccca tggctgacta attttttttа tttatgcaga ggccgaggcc 17520

gcctctgcct ctgagctatt ccagaagtag tgaggaggct tttttggagg cctagtatta 17580

aggaatttgg ctggttgttt gttgtcttta atggaccgcc cgcaggggg gtggcatttc 17640

agtgtcgggt gacgagcgcg atccggccgg gatcctagga ccccaaaagt ttgtctgcgt 17700

attccagggc ggggctcagt tgaatctccc gcagcacctc taccagcagg tccgcggtgg 17760

gctggagaaa ctcggccgtc ccggggcagg cggtcgtcgg gggtggaggc gcggcgccca 17820

ccccgtgtgc cgcgcctggc gtctcctctg ggggcgaccc gtaaatggtt gcagtgatgt 17880

aaatggtgtc cgcggtccag accacggtca aaatgccggc cgtggcgctc cgggcgcttt 17940

cgccgcgcga ggagctgacc caggagtcga acggatacgc gtacatatgg gcgtcccacc 18000

cgcgttcgag cttctggttg ctgtcccggc ctataaagcg gtaggcacaa aattcggcgc 18060

gacagtcgat aatcaccaac agcccaatgg gggtgtgttg gataacaacg cctccgcgcg 18120

gcaggcggtc ctggcgctcc cggccccgta ccatgatcgc gcgggtgccg tactcaaaaa 18180

catgcaccac ctgcgcggcg tcgggcagtg cgctggtcag cgaggccctg gcgtggcata 18240

ggctatacgc gatggtcgtc tgtggattgg acatctcgcg gtgggtagtg agtcccccgg 18300

gccgggttcg gtggaactgt aaggggacgg cgggttaata tacaatgacc acgttcggat 18360

cgcgcagagc cgatagtatg tgcttactaa tgacgtcatc gcgctcgtgg cgctcccgga 18420

gcggatttaa gttcatgcga aggaattcgg aggaggtggt gcgggacatg gccacgtacg 18480

cgctgttgag gcgcaggttg ccgggcgtaa agcagatggc gaccttgtcc aggctaaggc 18540

cctgggagcg cgtgatggtc atggcaagct tggagctgat gccgtagtcg gcgtttatgg 18600

ccatggccag ctccgtagag tcaatggact cgacaaactc gctgatgttg gtgttgacga 18660

cggacatgaa gccgtgttgg tcccgcaaga ccacgtaagg caggggggcc tcttccagta 18720

actcggccac gttggccgtc gcgtgccgcc tccgcagctc gtccgcaaag gcaaacaccc 18780

gtgcgtacgt gtatcccatg agcgtataat tgtccgtctg cagggcgacg gacatcagcc 18840

ccccgcgcgg cgagccggtc agcatctcgc agccccggaa gataacgttg tccacgtacg 18900

tgctaaaggg ggcgccttca aatgcctccc caaagagctc ttggaggatt cggaatctcc 18960

cgaggaaggc ccgcttcagc agcgcaaact gggtgtgaac ggcggcggtg gtctccggtt 19020

ccccgggggt gtagtggcag taaaacacgt cgagctgttg ttcgtccagc cccgcgaaaa 19080

taacgtcgag gtcgtcgtcg ggaaaatcgt ccgggccccc gtcccgcggc cccagttgct 19140

taaaatcaaa cgcacgctcg ccgggggcgc ctgcgtcggc cattaccgac gcctgcgtcg 19200

gcacccccga agatttgggg cgcagagaca gaatctccgc cgttagttct cccatgcggg 19260

cgtaggcgag ggtcctctgg gtcgcatcca ggcccgggcg ctgcagaaag ttgtaaaagg 19320

agataagccc gctaaatatg agccgcgaca ggaacctgta ggcaaactcc accgaagtct 19380

ccccctgagt ctttacaaag ctgtcgtcac gcaacactgc ctcgaaggcc cggaacgtcc 19440

cactaaaccc aaaaaccagt tttcgcaggc gcgcggttac cgcgatctgg ctgttgagga 19500

cgtaagtgac gtcgttgcgg gccacgacca gctgctgttt gctgtgcacc tcgcagcgca 19560

tgtgccccgc gtcctggtcc tggctctgcg agtagttggt gatgcggctg gcgttggccg 19620

tgagccactt ttcaatagtc aggccgggct ggtgtgtcag ccgtcggtat tcgtcaaact 19680

ccttgaccga cacgaacgta agcacgggga gggtgaacac gacaaactcc ccctcacggg 19740

tcaccttcag gtaggcgtgg agcttggcca tgtacgcgct cacctctttg tgggaggaga 19800

acaaccgcgt ccagccgggg aggttggcgg ggttggtgat gtagttttcc gggacgacga 19860

agcgatccac gaactgcatg tgctcctcgg tgatgggtag gccgtactcc agcaccttca 19920

tgaggttacc gaactcgtgc tcgatgcacc gtttgttgtt aataaaaatg gcccagctat 19980

acgagaggcg ggcgtactcc cgcagcgtgc ggttgcagat gaggtacgtg agcacgttct 20040

cgctctggcg gacggaacac cgcagtttct ggtgctcgaa ggtcgactcc agggacgccg 20100

tctgtgtcgg cgagcccaca cacaccaaca cgggccgcag gcgggccgcg tactgggggg 20160

tgtggtacag ggcgttaatc atccaccagc aatacaccac ggccgtgagg aggtgacgcc 20220

caaggagccc ggcctcgtcg atgacgatca cgttgctgcg ggtaaaggcc ggcagcgccc 20280

cgtgggtggc cggggccaac cgcgtcaggg cgccctcggc caaccccagg gtccgttcca 20340

gggcggccag ggcgcgaaac tcgttccgcg actcctcgcc cccggaggcg gccagggtgc 20400

gcttcgtgag gtccaaaatc acctcccagt agtacgtcag atctcgtcgc tgcaggtcct 20460

ccagcgaggc ggggttgctg gtcagggtgt acgggtactg ccccagttgg gcctggacgt 20520

gattcccgcg aaacccaaat tcatgaaaga tggtgttgat gggtcggctg agaaaggcgc 20580

ccgagagttt ggcgtacatg ttttgggccg caatgcgcgt ggcgcccgtc accacacagt 20640

ccaagacctc gttgattgtc tgcacgcacg tgctctttcc ggagccagcg ttgccggtga 20700

taagatacac cgcgaacgga aactccctga ggggcaggcc tgcgggggac tctaaggccg 20760

ccacgtcccg gaaccactgc agacggggca cttgcgctcc gtcgagctgt tgttgcgaga 20820

gctctcggat gcgcttaagg attggctgca ccccgtgcat agacgtaaaa tttaaaaagg 20880

cctcggccct ccctggaacg gctggtcggt ccccgggttg ctgaaggtgc ggcgggccgg 20940

gtctctgtcc gtctagctgg cgctccccgc cggccgccgc catgaccgca ccacgctcgc 21000

gggcccccac tacgcgtgcg cgggggggaca cggaagcgct gtgctccccc gaggacggct 21060

gggtaaaggt tcaccccacc cccggtacga tgctgttccg cgagattctc cacgggcagc 21120

tggggtatac cgagggccag ggggtgtaca acgtcgtccg gtccagcgag gcgaccaccc 21180

ggcagctgca ggcggcgatc tttcacgcgc tcctcaacgc caccacttac cgggacctcg 21240

aggcggactg gctcggccac gtggcggccc gcggtctgca gccccaacgg ctggttcgcc 21300

ggtacaggaa cgcccgggag gcggatatcg ccggggtggc cgagcgggtg ttcgacacgt 21360

ggcggaacac gcttaggacg acgctgctgg actttgccca cgggttggtc gcctgctttg 21420

cgccgggcgg cccgagcggc ccgtcaagct tccccaaata tatcgactgg ctgacgtgcc 21480

tggggttggt ccccatatta cgcaagcgac aagaaggggg tgtgacgcag ggtctgaggg 21540

cgtttctcaa gcagcacccg ctgacccgcc agctggccac ggtcgcggag gccgcggagc 21600

gcgccggccc cgggtttttt gagctggcgc tggccttcga ctccacgcgc gtggcggact 21660

acgaccgcgt gtatatttac tacaaccacc gccggggcga ctggctcgtg cgagacccca 21720

tcagcgggca gcgcggagaa tgtctggtgc tgtggcctcc cttgtggacc ggggaccgtc 21780

tggtcttcga ttcgcccgta cagcggctgt ttcccgagat cgtcgcgtgt cactccctcc 21840

gggaacacgc gcacgtctgc cggctgcgca ataccgcgtc cgtcaaggtg ctgctggggc 21900

gcaagagcga cagcgagcgc ggggtggccg gcgccgcgcg ggtcgttaac aaggtgttgg 21960

gggaggacga cgagaccaag gccgggtcgg ccgcctcgcg cctcgtgcgg cttatcatca 22020

acatgaaggg catgcgccac gtaggcgaca ttaacgacac tgtgcgtgcc tacctcgacg 22080

aggccggggg gcacctgata gacgccccgg ccgtcgacgg taccctcccg ggattcggca 22140

agggcggaaa cagccgcggg tctgcgggcc aggaccaggg ggggcgggcg ccgcagcttc 22200

gccaggcctt ccgcacggcc gtggttaaca acatcaacgg cgtgttggag ggctatataa 22260

ataacctgtt tggaaccatc gagcgcctgc gcgagaccaa cgcgggcctg gcgacccagt 22320

tgcaggagcg cgaccgcgag ctccggcgcg caacatcggg ggccctggag cgccagcagc 22380

gcgcggccga cctggcggcc gagtccgtga ccgggggatg cggcagccgc cctgcggggg 22440

cggacctgct ccgggccgac tatgacatta tcgacgtcag caagtccatg gacgacgaca 22500

cgtacgtcgc caacagtttt cagcacccgt acatcccttc gtacgcccag gacctggagc 22560

gcctgtcgcg cctctgggag cacgagctgg tgcgctgttt caaaattctg tgtcaccgca 22620

acaaccaggg ccaagagacg tcgatctcgt actccagcgg ggcgatcgcc gcattcgtcg 22680

ccccctactt tgagtcagtg cttcgggccc cccgggtagg cgcgcccatc acgggctccg 22740

atgtcatcct gggggaggag gagttatggg atgcggtgtt taagaaaacc cgcctgcaaa 22800

cgtacctgac agacatcgcg gccctgttcg tcgcggacgt ccagcacgca gcgctgcccc 22860

cgccccctc cccggtcggc gccgatttcc ggcccggcgc gtccccgcgg ggccggtcca 22920

gatcgcggtc gcccggaaga actgcgcgag gcgcgccgga ccagggcggg ggcatcgggc 22980

accgggatgg ccgccgcgac ggccgacgat gaggggtcgg ccgccaccat cctcaagcag 23040

gccatcgccg gggaccgcag cctggtcgag gcggccgagg cgattagcca gcagacgctg 23100

ctccgcctgg cctgcgaggt gcgccaggtc ggcgaccgcc agccgcggtt taccgccacc 23160

agcatcgcgc gcgtcgacgt cgcgcctggg tgccggttgc ggttcgttct ggacgggagt 23220

cccgaggacg cctatgtgac gtcggaggat tactttaagc gctgctgcgg ccagtccagt 23280

tatcgcggct tcgcggtggc ggtcctgacg gccaacgagg accacgtgca cagcctggcc 23340

gtgccccccc tcgttctgct gcaccggttc tccctgttca accccaggga cctcctggac 23400

tttgagcttg cctgtctgct gatgtacctg gagaactgcc cccgaagcca cgccaccccg 23460

tcgacctttg ccaaggttct ggcgtggctc ggggtcgcgg gtcgccgcac gtccccattc 23520

gaacgcgttc gctgcctttt cctccgcagt tgccactggg tcctaaacac actcatgttc 23580

atggtgcacg taaaaccgtt cgacgacgag ttcgtcctgc cccactggta catggcccgg 23640

tacctgctgg ccaacaaccc gccccccgtt ctctcggccc tgttctgtgc caccccgaca 23700

agctcctcat tccggctgcc ggggccgccc ccccgctccg actgcgtggc ctataacccc 23760

gccgggatca tggggagctg ctgggcgtcg gaggaggtgc gcgcgcctct ggtctattgg 23820

tggctttcgg agaccccaaa acgacagacg tcgtcgctgt tttatcagtt ttgttgaatt 23880

ttaggaaata aacccggttt tgtttctgtg gcctcccgac ggatgcgcgt gtccttactc 23940

cgtcttggtg ggtgggtggc tgtgtatggc gtcccatctg tgcggggagg ggggcaagtc 24000

ggcacgtatt cggacagact caagcacaca cgggggagcg ctcttgtctc agggcaatgt 24060

ttttattggt caaactcagg caaacagaaa cgacatcttg tcgtcaaagg gatacacaaa 24120

cttccccccc tcgccccata ctcccgccag caccccggta aacaccaact caatctcgcg 24180

caggatttcg cgcaggtgat gagcgcagtc cacgggggggg agcacaaggg gccgcgggta 24240

tagatcgacg gggacgccga ccgactcccc gcctccggga cagacacgca cgacgcgccg 24300

ccagtagtgc tctgcgtcca gcaaggcgcc gccgcggaag gcagtggggg gcaaggggtc 24360

gctggcctca aaggggggaca cccgaacgct ccagtactcc gcgtccaacc gtttattaaa 24420

cgcgtccaag ataaggcggt cgcaggcgtc ctccataagg ccccgggccg tgagtgcgtc 24480

ctcctccggc acgcctgccg ttgtcaggcc caggacccgt cgcagcgtgt cgcgtacgac 24540

cccggccgcc gtggtgtacg cgggcccgcg gagaggaaat cccccaagat ggtcagtgtt 24600

gtcgcgggag ttccagaacc acactcccgc ctggctccag gcgactgcgt gggtgtagac 24660

gccctcgagg gccaggcaca gtgggtgccg cagccggagg ccgttggccc taagcacggc 24720

tcccacggcc gtctcgatgg cccgccgggc gtcctcgatc accccggaag ccgcatccgc 24780

gtcttggggg tccacgttaa agacacccca gaacgcaccc ccatcgcccc cgcagaccgc 24840

gaacttcacc gagctggccg tctcctcgat ctgcaggcag acggcggcca ttaccccacc 24900

caggagctgc cgcagcgcag ggcaggcgtt gcacgtgtcc gggaccaggc gctccaagac 24960

ggccccggcc cagggctctg agggagcggc caccaccagc gcgtccagtc ttgctaggcc 25020

cgtccggccg tgggggtccg ccagcccgct ccccccgagg tcggccaggg ccgccaggag 25080

ctgggcgcga agtccgggga agcaaaaccg cgccgtccag acgggcccga cggccgcggg 25140

cgggtctaac agttggatga ttttagtggc gggatgccac cgcgccaccg cctcccgcac 25200

tgcgggcagg aggcatccgg ctgccgccga ggccacgccg ggccaggctc gcgggggggag 25260

gacgaccctg acccccaccg cgggccaggc ccccaggagc gcggcgtaag cggccgcggc 25320

cccgcgcacc aggtcccgtg ccgactcggc cgtggccggc acggtgaacg tgggccaacc 25380

cggaaacccc aggacggcaa agtacgggac gggtcccccc cggacctcaa actcgggccc 25440

cagaaaggca aagacggggg ccagggcccc gggggcggcg tggaccgtgg tatgccactg 25500

ccggaaaagg gcgacgagcg ccggcgcgga gaacttctcg ccggcgctta caaagtagtc 25560

gtaatcgcgg ggcagcagca cccgtgccgt gactcgttgc gggtgcccgc gtggccgcag 25620

gcccacctcg cacacctcga ccaggtcccc gaacgcgccc tccttcttga tcggcggaaa 25680

cgcaagagtc tggtattcgc gcgcaaatag cgcggttccg gtggtgatgt taacggtcag 25740

cgaagcggtg gacgcgcact ggggggtgtc gcgaatggcc gccaggcgcg cccacgccag 25800

ccgcgcgtcg ggatgctcgg caacgcgcgc cgccagggcc atagggtcga tgtcaatgtt 25860

ggcctccgcg accaggagag cggcgcgagg ggcggcgggc gggccccacg acgctctctc 25920

aactttcacc accagtcccg tgcgtgggtc cgagccgata cgcagcgggg cgaacagggc 25980

caccggcccg gtctggcgct ccagggccgc caggacgcac gcgtacagcg cccgccacag 26040

agtcgggttc tccaggggct ccagcgggga ggcggccggc gtcgtcgcgg cgcgggcggc 26100

cgccacgacg gcctggacgg agacgtccgc ggagccgtag aaatcccgca gctccgtcgc 26160

ggtgacggag acctccgcaa agcgcgcgcg accctcccct gcggcgttgc gacatacaaa 26220

atacaccagg gcgtggaagt actcgcgagc gcgggggggc agccataccg cgtaaagggt 26280

aatggcgctg acgctctcct ccacccacac gatatctgcg gtgtccatcg cacggcccct 26340

aaggatcacg ggcggtctgt gggtcccatg ctgccgtgcc tggccgggcc cggtgggttg 26400

cggaaaccgg tgacgggggg gggggcggtt tttggggttg gggtgggaaa cggcccgggt 26460

ccgggggcca acttggcccc tcggtgcgtt ccggcaacag cgccgccggt ccgcggacga 26520

ccacgtaccg aacgagtgcg gtcccgagac ttatagggtg ctaaagttca ccgccccctg 26580

catcatgggc caggcctcgg tggggagctc cgacagcgcc gcctccagga tgatgtcagc 26640

gttggggttg gcgctggatg agtgcgtgcg caaacagcgc ccccacgcgg gcacgcgtag 26700

cttgaagcgc gcgcccgcaa actcccgctt gtgggccata agcagggcgt acagctgcct 26760

gtgggtccgg caggcgctgt ggtcgatgtg gtgggcgtcc aacaacccca cgattgtctg 26820

tttggtgagg tttttaacgc gccccgcccc gggaaacgtc tgcgtgcttt tggccatctg 26880

cacgccaaac agttcgcccc agattatctt gaacagcgcc accgcgtggt ccgtctcact 26940

aacggacccg cgcgggggac agccgcttag ggcgtcggcg acgcgcttga cggcttcctc 27000

cgagagcaga agtccgtcgg ttacgttaca gtggcccagt tcgaacacca gctgcatgta 27060

gcggtcgtag tgggggggtca gcaggtccag cacgtcatcg gggccgaagg tcctcccaga 27120

tcccccggcc gccgagtccc aatgcaggcg cgcggccatg gtgctgcaca ggcacaacag 27180

ctcccagaca ggggttacgt tcagggtggg gggcagggcc acgagctcca gctctccggt 27240

gacgttgatc gtggggatga cgcccgtggc gtagtggtca tagatccgcc gaaatatggc 27300

gctgctgcgg gtggccatgg gaacgcggag acaggcctcc agcaacgcca ggtaaataaa 27360

ccgcgtgcgt cccatcaggc tgttgaggtt gcgcatgagc gcgacaattt ccgccggcgc 27420

gacatcggac cggaggtatt tttcgacgaa aagacccacc tcctccgtct cggcggcctg 27480

ggccggcagc gacgcctcgg gatcccggca ccgcagctcc cgtagatcgc gctgggccct 27540

gagggcgtcg aaatgtacgc cccgcaaaaa cagacagaag tcctttgggg tcagggtatc 27600

gtcgtgtccc cagaagcgca cgcgtatgca gtttagggtc agcagcatgt gaaggatgtt 27660

aaggctgtcc gagagacacg ccagcgtgca tctctcaaag tagtgtttgt aacggaattt 27720

gttgtagatg cgcgaccccc gccccagcga cgtgtcgcat gccgacgcgt cacagcgccc 27780

cttgaaccgg cgacacagca ggtttgtgac ctgggagaac tgcgcgggcc actggccgca 27840

ggaactgacc acgtggttca ggagcatggg cgtaaagacg ggctccgagc gcgccccgga 27900

gccgtccatg taaatcagta gctccccctt gcggagggtg cgcacccgtc ccagggactg 27960

gtacacggac accatgtccg gtccgtagtt catgggtttc acgtaggcga acatgccatc 28020

aaagtgcagg ggatcgaagc tgaggcccac ggttacgacc gtcgtgtata taaccacgcg 28080

gtattggccc cacgtggtca cgtccccgag gggggtgagc gagtgaagca acagcacgcg 28140

gtccgtaaac tgacggcaga accgggccac gatctccgcg aaggagaccg tcgacgaaaa 28200

aatgcagatg ttatcgcccc cgccaaggcg cgcttccagc tccccaaaga acgtggcccc 28260

ccgggcgtcc ggagaggcgt ccggagacgg gccgctcggc ggcccgggcg ggcgcagggc 28320

agcctgcagg agctcggtcc ccagacgcgg gagaaacagg caccggcgcg ccgaaaaccc 28380

gggcatggcg tactcgccga ccaccacatg cacgtttttt tcgccccgga gaccgcacag 28440

gaagtccacc aactgcgcgt tggcggttgc gtccatggcg atgatccgag gacatgtgcg 28500

cagcaggcgt agcattaacg catccacgcg gcccagttgc tgcatcgttg gcgaatagag 28560

ctggcccagc gtcgacataa cctcgtccag aacgaggacg tcgtagttgt tcagaaggtt 28620

ggggcccacg cgatgaaggc tttccacctg gacgataagt cggtggaagg ggcggtcgtt 28680

cataatgtaa ttggtggatg agaagtaggt gacaaagtcg accaggcctg actcagcgaa 28740

ccgcgtcgcc agggtctggg taaaactccg acgacaggag acgacgagca cactcgtgtc 28800

cggagagtgg atcgcttccc gcagccagcg gatcagcgcg gtagtttttc ccgaccccat 28860

tggcgcgcgg accacagtca cgcacctggc cgtcggggcg ctcgcgttgg ggaaggtgac 28920

gggtccgtgc tgctgccgct cgatcgttgt tttcgggtga acccggggca cccattcggc 28980

caaatccccc ccgtataaca tccgcgctag cgatacgctc gacgtgtact gttcgcactc 29040

gtcgtcccca atgggacgcc cggcccccag aggatccccc gactccgcgc cccccacgaa 29100

aggcatgacc ggggcgcgga cggcgtggtg ggtctggtgt gtgcaggtgg cgacgtttgt 29160

ggtctctgcg gtctgcgtca cggggctcct cgtcctggcc tctgtgttcc gggcacggtt 29220

tccctgcttt tacgccacgg cgagctctta tgccggggtt aactccacgg ccgaggtgcg 29280

cgggggtgta gccgtgcccc tcaggttgga cacgcagagc cttgtgggca cttatgtaat 29340

cacggccgta ttgttgttgg ccgcggccgt gtatgccgtg gtcggcgccg tgacctcccg 29400

ctacgaccgc gccctggacg cgggccgccg tctggctgcg gcccgcatgg ccatgccgca 29460

cgccacgctg atcgccggaa acgtctgctc ttggttgctg cagatcaccg tcctgctgct 29520

ggcccatcgc atcagccagc tggcccacct ggtttacgtc ctgcactttg cgtgtctggt 29580

gtattttgcg gcccattttt gcaccagggg ggtcctgagc gggacgtatc tgcgtcaggt 29640

gcacggcctg atggagctgg ccccgaccca tcatcgcgtc gtcggcccgg ctcgcgccgt 29700

gctgacaaac gccttgctgt tgggcgtctt cctgtgcacg gccgacgccg cggtatccct 29760

gaataccatc gccgcgttca actttaattt ttcggccccg ggcatgctca tctgcctgac 29820

cgtgctgttc gccattctcg tcgtatcgct gttgttggtg gtcgaggggg tgttgtgtca 29880

ctacgtgcgc gtgttggtgg gcccccacct gggggccgtt gccgccacgg gcatcgtcgg 29940

cctggcctgc gagcactatt acaccaacgg ctactacgtg gtggagacgc agtggccggg 30000

ggcacagacg ggagtgcgcg tcgccctcgc cctggtcgcc gcctttgccc tcggcatggc 30060

cgtgctccgc tgcacccgcg cctatctgta tcacaggcgg caccacacca aatttttat 30120

gcgcatgcgc gacacgcgac accgcgcaca ttccgccctc aagcgcgtac gcagttccat 30180

gcgcggatcg cgagacggcc gccacaggcc cgcgcccggc agcccgcccg ggattcccga 30240

atatgcggaa gacccctacg cgatctcata cggcggccag ctcgaccggt acggagattc 30300

cgacggggag ccgatttacg acgaggtggc ggacgaccaa accgacgtat tgtacgccaa 30360

gatacaacac ccgcggcacc tgcccgacga cgagcccatc tatgacaccg ttgggggta 30420

cgaccccgag cccgccgagg accccgtgta cagcaccgtc cgccgttggt agctgtttgg 30480

ttccgtttta ataaaccgtt tgtgtttaac ccgaccgtgg tgtatgtctg gtgtgtggcg 30540

tccgatcccg ttactatcac cgtccccccc cctcaacccc ggcgattgtg ggtttttaa 30600

aaacgacacg cgtgcgaccg tatacagaac attattttgg tttttattcg ctatcggaca 30660

tgggggtgg aaactgggtg gcggggcagg cgcctccggg ggtccgccgg tgagtgtggc 30720

gcgaggggg gtccgacgaa cgcaggcgcg gtctccccgg ggcccgcgta accacgcgca 30780

tatccggggg cacgtagaaa ttaccttcct cttcggactc gatatccacg acgtcaaagt 30840

cgtgggcggt cagcgagacg acctccccgt cgtcggtgat gaggacgttg tttcggcagc 30900

agcagggccg ggccccggag aacgagaggc ccatagctcg gcgagcgtgt cgtcgaacgc 30960

caggcggctg cttcgctgga tggccttata gatctccgga tcgatgcgga cgggggtaat 31020

gatcagggcg atcggaacgg cctggttcgg gagaatggac gccttgctgg gtcctgcggc 31080

cccgagagcc ccggcgccgt cctccaggcg gaacgttacg ccctcctccg cgctggtgcg 31140

gtgcctgccg ataaacgtca ccagatgcgg gtgggggggg cagtcgggga agtggctgtc 31200

gagcacgtag ccctgcacca agatctgctt aaagttcggg tggcgggggt tcgcgaagac 31260

gggctcgcgg cggaccagat ccccggagct ccaggacacg ggggagatgg tgtggcgtcc 31320

gaggtcgggg gcgccaaaca gaagcacctc cgagacaacg ccgctattta actccaccaa 31380

ggcccgatcc gcggcggagc accgcctttt ttcgcccgag gcgtgggcct ctgaccaggc 31440

ctggtcttgc gtgacgagag cctcctccgg gccggggacg cgcccgggcg cgaagtatcg 31500

cacgctgggc ttcgggatcg accggataaa tgcccggaac gcctccgggg accggtgtgc 31560

catcaagtcc tcgtacgcgg aggccgtggg gtcgctgggg tccatggggt cgaaagcgta 31620

cttggcccgg catttgacct cgtaaaaggc caggggggtc ttggggactg gggccaggta 31680

gccgtgaatg tcccgaggac agacgagaat atccagggac gccccgacca tccccgtgtg 31740

accgtccatg aggaccccac acgtatgcac gttctcttcg gcgaggtcgc tgggttcgtg 31800

gaagataaag cgccgcgtgt cggcgccggc ctcgccgccg tcgtccgcgc ggcccacgca 31860

gtagcgaaac agcaggcttc gggccgtcgg ctcgttcacc cgcccgaaca tcaccgccga 31920

agactgtaca tccggtcgca ggctggcgtt gtgcttcagc cactggggcg agaaacacgg 31980

accctggggg ccccagcgga gggtggatgc ggtcgtgagg ccccgccgga gcagggccca 32040

tagctggcag tcggcctggt tttgcgtggc cgcctcgtaa aaccccatga ggggccgggg 32100

cgccacggcg tccgcggcgg ccgggggggc gcggcgcgtc aggcgccata ggtgccggcc 32160

gagtccgcgg tccaccatac ccgcctcctc gaggaccacg gccagggaac acagataatc 32220

caggcgggcc cagaggggac cgatggccag aggggcgcgg acgccgcgca gcaacccgcg 32280

caggtggcgc tcgaacgtct cggctagtat atgggagggc agcgcgttgg ggatcaccga 32340

cgccgaccac atagagtcaa ggtccgggga gtcgggatcg gcgtccgggt cgcgggcgtg 32400

ggtgccccca ggagatagcg gaatgtccgg ggtcggaggc ccggaggcgt cagaaagtgc 32460

cggcgacgcg gcccggggct tttcgtctgc ggtgtcggtg gcgtgctgat cacgtggggg 32520

gttatcgggc gaatgggagc tcgggtccac agctgacgtc gtctggggtg gggggggcag 32580

gggacggaag gtggttgtca gcggaagact gttagggcgg gggcgcttgg gggggctgtc 32640

ggggccacga ggggtgtcct cggccagggc ccagggacgc ttagtcacgg tgcgtcccgg 32700

cggacatgct gggcctaccg tggactccat ttccgagacg acgtgggggg agcggtggtt 32760

gagcgcgccg ccgggtgaac gctgattctc acgacagcgc gtgccgcgcg cacgggttgg 32820

tgtgacacag gcgggacacc agcaccagga gaggcttaag ctcgggaggc agcgccaccg 32880

acgacagtat cgccttgtgt gtgtgctggt aatttataca ccgatccgta aacgcgcgcc 32940

gaatcttggg attgcggagg tggcgccgga tgccctctgg gacgtcatac gccaggccgt 33000

gggtgttggt ctcggccgag ttgacaaaca gggctgggtg cagcacgcag cgataggcga 33060

gcagggccag ggcgaagtcc ggcgacagct ggttgttgaa atactggtaa ccgggaaacc 33120

gggtcacggg tacgcccagg ctcggggcga cgtacacgct aaccaccaac tccagcagcg 33180

tctggcccag ggcgtacagg tcaaccgcta gcccgacgtc gtgcttcagg cggtggttgg 33240

taaattcggc ccgttcgttg ttaaggtatt tcaccaacag ctccgggggc tggttatacc 33300

cgtgacccac cagggtgtga aagttggctg tggttagggc ggtgggcatg ccaaacatcc 33360

gggggggactt gaggtccggc tcctggaggc aaaactgccc ccgggcgatc gtggagttgg 33420

agttgagggt gacgaggcta aagtcggcga ggacggcccg ccggagcgag acggcgtccg 33480

accgcagcat gacgaggatg ttggcgcact tgatatccag gtggctgatc ccgcaggtgg 33540

tgtttaaaaa cacaacggca cgggccagct ccgtgaagca ctggtggagg gccgtcgaga 33600

ccgaggggtt tgttgtgcgc agggacgcca gttggccgat atacttaccg aggtccatgt 33660

cgtacgcggg gaacactatc tgtcgttgtt gcagcgagaa cccgaggggc gcgatgaagc 33720

cgcggatgtt gtgggtgcgg ccggcgcgta gagcgcactc cccgaccaac agggtcgcga 33780

tgagctcaac ggcaaaccac tccttttcct ttatggtctt aacggcaagc ttatgttcgc 33840

gaatcagttg gacttcgccg tatcccccag acccccccgaa gcttcgggcc ccggggatct 33900

cgagggtcgt gtagtgtagg gcggggttga tggcgaacac ggggctgcat agcttgcgga 33960

tgcgcgtgag ggtgaggatg tgcgaggggg acgaggggggg tgcggttaac gccgcctggg 34020

atctgcgcag gggcgggcgg ttcagtttgg ccgccgtacc gggcgcctcg ggggacgcgc 34080

ggcgatgaga cgagcggctc attcgccatc gggatagtcc cgcgcgaagc cgctcgcgga 34140

ggccggatcg gtggcggcac ccgtgggagg agcgggagac ggcggcgttc tggagagagg 34200

ggccgctggg gcgcccggag gccccatggg ggttggagtg tatgtaggat gcgagccaat 34260

ccttgaagga ccgttggcgt gcaccttggg ggctgaggtt agctgccaca tgaccagcag 34320

gtcgctgtct gcgggactca tccatccttc ggccaggtcg ccgtctcccc acagagaagc 34380

gttggtcgct gcctcctcga gttgctcctc ctggtccgca agacgatcgt ccacggcgtc 34440

caggcgctca ccaagcgccg gatcgaggta ccgtcggtgt gcggttagaa agtcacgacg 34500

cgccgcttgc tcctccacgc gaattttaac acaggtcgcg cgctgtcgca tcatctctaa 34560

gcgcgcgcgg gactttagcc gcgcctccaa ttccaagtgg gccgcctttg cagccataaa 34620

ggcgccaaca aaccgaggat cttgggtgct gacgccctcc cggtgcagct gcagggtctg 34680

gtccttgtaa atctcggctc ggaggtgcgt ctcggccagg cgtcggcgca gggccgcgtg 34740

ggcggcatct cggtccattc cgccaccctg cgggcgaccc gggggtgctc tgatagtctc 34800

gcgtgcccaa ggcccgtgat cggggtactt cgccgccgcg acccgccacc cggtgtgcgc 34860

gatgtttggt cagcagctgg cgtccgacgt ccagcagtac ctggagcgcc tcgagaaaca 34920

gaggcaactt aaggtgggcg cggacgaggc gtcggcgggc ctcacaatgg gcggcgatgc 34980

cctacgagtg ccctttttag atttcgcgac cgcgaccccc aagcgccacc agaccgtggt 35040

cccgggcgtc gggacgctcc acgactgctg cgagcactcg ccgctcttct cggccgtggc 35100

gcggcggctg ctgtttaata gcctggtgcc ggcgcaacta aaggggcgtg atttcggggg 35160

cgaccacacg gccaagctgg aattcctggc ccccgagttg gtacgggcgg tggcgcgact 35220

gcggtttaag gagtgcgcgc cggcggacgt ggtgcctcag cgtaacgcct actatagcgt 35280

tctgaacacg tttcaggccc tccaccgctc cgaagccttt cgccagctgg tgcactttgt 35340

gcgggacttt gcccagctgc ttaaaacctc cttccgggcc tccagcctca cggagaccac 35400

gggccccccc aaaaaacggg ccaaggtgga cgtggccacc cacggccgga cgtacggcac 35460

gctggagctg ttccaaaaaa tgatccttat gcacgccacc tactttctgg ccgccgtgct 35520

cctcggggac cacgcggagc aggtcaacac gttcctgcgt ctcgtgtttg agatcccccc 35580

gtttagcgac gcggccgtgc gccacttccg ccagcgcgcc accgtgtttc tcgtcccccg 35640

gcgccacggc aagacctggt ttctggtgcc cctcatcgcg ctgtcgctgg cctcctttcg 35700

ggggatcaag atcggctaca cggcgcacat ccgcaaggcg accgagccgg tgtttgagga 35760

gatcgacgcc tgcctgcggg gctggttcgg ttcggcccga gtggaccacg ttaaagggga 35820

aaccatctcc ttctcgtttc cggacgggtc gcgcagtacc atcgtgtttg cctccagcca 35880

caacacaaac gtaagtcctc ttttctttcg catggctctc ccaaggggcc ccgggtcgac 35940

ccgacccaca cccacccacc cacatacaca cacaaccaga cgcgggagga aagtctgccc 36000

cgtgggcact gatttttatt cgggatcgct tgaggaggcc cgggcaacgg cccgggcaac 36060

ggtggggcaa ctcgtagcaa ataggcgact gatgtacgaa gagaagacac acaggcgcca 36120

cccggcgctg gtcgggggga tgttgtccgc gccgcaccgt cccccgacga cctcttgcag 36180

acggtccgtg atgcaaggac ggcggggggc ctgcagcagg gtgaccgtat ccacgggatg 36240

gccaaagaga agcggacaca ggctagcatc cccctggacc gccagggtac actgggccat 36300

cttggcccac agacacgggg cgacgcaggg acaggactcc gttacgacgg aggagagcca 36360

cagtgcgttg gcggaatcga tgtggggcgg cggggcgcag gactcgcagc cccccgggtg 36420

gttagtgatc ctggccagga gccatcccag atggcgggcc ctgcttcccg gtggacagag 36480

cgaccccagg tcgctgtcca tggcccagca gtagatctgg ccgctgggga ggtgccacca 36540

ggcccccggg cccaaggcgc agcacgcgcc cggctccggg ggggtcttcg cggggaccag 36600

atacgcgcca tccagctcgc cgaccactgg ctcctccgcg agctgttcgg tggttgggtc 36660

gggggtttcc tccggggggg tggccgcccg tatgcgggcg aacgtgaggg tgcacaggag 36720

cggggtcagg gggtgcgtca cgctccggag gtggacgatc gcgcagtagc ggcgctcgcg 36780

gttaaagaaa aagagggcaa agaaggtgtt cgggggcaac cgcagcgcct tggggcgcgt 36840

cagatacaga aaaatctcgc agaagagggc gcgcccgggg tctgggttag gaagggccac 36900

ctgacacaga ggctcggtga ggaccgttag acaccgaaag atcttgagcc gctcgtccgc 36960

ccgaacgacg cgccacacaa agacggagtt gacaatgcgc gcgatagagt cgacgtccgt 37020

ccccaggtcg tcgactctgt cgcgcgtgcc gcgagctccg gcccgggaat ccggccgggg 37080

caaggtcccc gggggaccag gcggcgccag gggccgccgg ggtcccagct gcgccatgcc 37140

gggggcgggg ggagggcaaa ccccagaggc gggggccaac ggcgcgggga ggagtggatg 37200

ggcgaggtgg ccgggggaag gcgcccgcta gcgagaacgg ccgttcccgg acgacacctt 37260

gcgacaaaac ctaaggacag cggcccgcgc gacggggtcc gagaggctaa ggtaggccgc 37320

gatgttaatg gtgaacgcaa agccgccggg aaagacaact atgccacaga ggcggcgatt 37380

aaaccccagg cagaggtagg cgtagctttc cccgggcagg tattgctcgc agaccctgcg 37440

tggggctgtg gaggggacgg cctccatgaa gcgacattta ctctgctcgc gtttactgac 37500

gtcaccatcc atcgccacgg cgattggacg attgttaagc cgcagcgtgt ctccgcttgt 37560

gctgtagtag tcaaaaacgt aatggccgtc ggagtcggca aagcgggccg ggaggtcgtc 37620

gccgagcggg acgacccgcc gcccccgacc gccccgtccc cccaggtgtg ccaggacggc 37680

cagggcatac gcggtgtgaa aaaaggcgtc gggggcggtc ccctcgacgg cgcgcatcag 37740

gttctcgagg agaatgggga agcgcctggt cacctccccc agccacgcgc gttggtcggg 37800

gccaaagtca tagcgcaggc gctgtgagat tcgcgggccg ccctgaagcg cggcccggat 37860

ggcctggccc agggcccgga ggcacgccag atgtatgcgc gcggtaaagg cgacctcggc 37920

ggcgatgtca aagggcggca ggacggggcg cgggtggcgc aggggcacct cgagcgcggg 37980

aaagcggagc agcagctccg cctgcccagc gggagacagc tggtgggggc gcacgacgcg 38040

ttctgcggcg caggcctcgg tcagggccgt ggccagcgcc gaggacagca gcggagggcg 38100

ggcgcgtcgc ccgccccacg ccactgagtt ctcgtaggag acgacgacga agcgctgctt 38160

ggttccgtag tggtggcgca ggaccacgga gatagaacga cggctccaca gccagtccgg 38220

ccggtcgccg ccggccaggg cttcccatcc gcgatccaac cactcgacca gcgaccgcgg 38280

ctttgtggta ccaggggtaa gggttagaac gtcgttcagg atgtcctcgc ccccgggccc 38340

gtggggcgct ggggccacaa agcggccccc gccgggggggc tccagacccg ccagcaccgc 38400

atctgcgtca gccgccccca tggcgccccc gctgacggcc tggtgaacca gggcgccctg 38460

gcggagcccc gatgcaacgc cacaggccgc acgcccggtc cgagcgcgga ccgggtggcg 38520

gcgggtgacg tcctgcactg cccgctgaac caacgcgagg atctcctcgt tctcctgtgc 38580

gatggacacg tcctgggccg cggtcgtgtc gccgccgggg gccgtcagct gctcctccgg 38640

ggagatgggg gggtcggacg ccccgacgat gggcgggtct gcgggcgccc ccgcgtgggg 38700

ccgggccaag ggctgcggac gcggggacgc gctttccccc agacccatgg acaggtgggc 38760

cgcggcctcc ttcgcggccg gcggggcggc ggcgccaagc agagcgacgt agcggcacaa 38820

atgccgacag acgcgcatga tgcgcgtgct gtcggccgcg tagcgcgtgt tgggggggac 38880

gagctcgtcg taactaaaca gaatcacgcg ggcacagctc gcccccgagc cccacgcgag 38940

gcgcagcgcc gccacggcgt acgggtcata gacgccctgc gcgtcacaca ccacgggcag 39000

ggagacgaac aacccccggg cgctggacgc acgcggaagg aggccagggt gtgccggcac 39060

gacgggggcc agaagctccc ccaccgcatc cgcgggcacg taggcggcaa acgccgtgca 39120

ccacggggta cagtcgccgg tggcatgagc ccgagtctgg atttcgacct ggaagtttgc 39180

ggccgtcccg agtccggggc ggccgcgcat cagggcggcc agagggattc ccgcggccgc 39240

caggcactcg ctggatatga tgacgtgaac caaagacgag ggccgacccg ggccgtggcc 39300

gagatcgtac tggacctcgt tggccaagtg cgcgttcatg gttcggggtg ggtgtgggtg 39360

tgtaggcgat gcgggtcccc cgagtccgcg ggaagggcgt gggtttggcg cgcgtatgcg 39420

tattcgccaa cggaggcgtg cgtgcttatg cgcggcgcgt ttcttctgtc tccagggaat 39480

ccgaggccag gactttaacc tgctctttgt cgacgaggcc aactttattc gcccggatgc 39540

ggtccagacg attatgggct ttctcaacca ggccaactgc aagattatct tcgtgtcgtc 39600

caccaacacc gggaaggcca gtacgagctt tttgtacaac ctccgcgggg ccgccgacga 39660

gcttctcaac gtggtgacct atatatgcga tgatcacatg ccgagggtgg tgacgcacac 39720

aaacgccacg gcctgttctt gttatatcct caacaagccc gttttcatca cgatggacgg 39780

ggcggttcgc cggaccgccg atttgtttct ggccgattcc ttcatgcagg agatcatcgg 39840

gggccaggcc agggagaccg gcgacgaccg gcccgttctg accaagtctg cgggggagcg 39900

gtttctgttg taccgcccct cgaccaccac caacagcggc ctcatggccc ccgatttgta 39960

cgtgtacgtg gatcccgcgt tcacggccaa cacccgagcc tccgggaccg gcgtcgctgt 40020

cgtcgggcgg taccgcgacg attatatcat ctttgccctg gagcactttt ttctccgcgc 40080

gctcacgggc tcggcccccg ccgacatcgc ccgctgcgtc gtccacagtc tgacgcaggt 40140

cctggccttg catcccgggg cgtttcgcgg cgtccgggtg gcggtcgagg gaaatagcag 40200

ccaggactcg gccgtcgcca tcgccacgca cgtgcacaca gagatgcacc gcctactggc 40260

ctcggagggg gccgacgcgg gctcgggccc cgagcttctc ttctaccact gcgagcctcc 40320

cgggagcgcg gtgctgtacc ccttttttcct gctcaacaaa cagaagacgc ccgcctttga 40380

acactttatt aaaaagttta actccggggg cgtcatggcc tcccaggaga tcgtttccgc 40440

gacggtgcgc ctgcagaccg acccggtcga gtatctgctc gagcagctga ataacctcac 40500

cgaaaccgtc tcccccaaca ctgacgtccg tacgtattcc ggaaaacgga acggcgcctc 40560

ggatgacctt atggtcgccg tcattatggc catctacctt gcggcccagg ccggacctcc 40620

gcacacattc gctcccatca cacgcgtttc gtgagcgccc aataaacaca cccaggtatg 40680

ctacgcacga ccacggtgtc gcctgttaag gggggggaag ggggtgttgg cgggaagcgt 40740

gggaacacgg gggattctct cacgaccggc accagtacca ccccccctgtg aacacagaaa 40800

cccaacccaa atcccataaa catacgacac acaggcatat tttggaattt cttgggtttt 40860

tatttattta ggtatgctgg ggtttctccc tggatgccca ccccccaccc ccccccgtgg 40920

gtctagccgg gccttaggga tagcgtataa cgggggccat gtctccggac cgcacaacgg 40980

ccgcgccgtc aaaggtgcac acccgaacca cgggagccag ggccaaggtg tctcctagtt 41040

ggcccgcgtg ggtcagccag gcgacgagcg cctcgtaaag cggcagcctt cgctctccat 41100

cctgcaccag ggccggggct tcggggtgaa tgagctgggc ggcctcccgc gtgacactct 41160

gcatctgcag gagagcgttc acgtacccgt cctgggcact tagcgcaaag agccgggggа 41220

ttagcgtaag gatgatggtg gttccctccg tgatcgagta aaccatgtta aggaccagcg 41280

atcgcagctc ggcgtttacg ggaccgagtt gttggacgtc cgccagcagc gagaggcgac 41340

tcccgttgta gtacagcacg ttgaggtctg gcagccctcc ggggtttctg gggctggggt 41400

tcaggtcccg gatgcccctg gccacgagcc gcgccacgat ttcgcgcgcc aggggcgatg 41460

gaagcggaac gggaaaccgc aacgtgaggt ccagcgaatc caggcgcacg tccgtcgctt 41520

ggccctcgaa cacgggcggg acgaggctga tggggtcccc gttacagaga tctacggggg 41580

aggtgttgcg aaggttaacg gtgccggcgt gggtgaggcc cacgtccagg ggacaggcga 41640

cgattcgcgt gggaagcacc cgggtgatga ccgcggggaa gcgccttcgg tacgccagca 41700

acaaccccaa cgtgtcggga ctgacgcctc cggagacgaa ggattcgtgc gccacgtcgg 41760

ccagcgtcag ttgccggcgg atggtcggca ggaataccac ccgcccttcg cagcgctgca 41820

gcgccgccgc atcggggcgc gagatgcccg agggtatcgc gatgtcagtt tcaaagccgt 41880

ccgccagcat ggcgccgatc cacgcggcag ggagtgcagt ggtggttcgg gtggcgggag 41940

gagcgcggtg ggggtcagcg gcgtagcaga gacgggcgac caacctcgca taggacgggg 42000

ggtgggtctt agggggttgg gaggcgacag ggaccccaga gcatgcgcgg ggaggtctgt 42060

cgggcccaga cgcaccgaga gcgaatccgt ccacggagtc ccggtctggg ttttatgggg 42120

cccggccctc ggaatcgcgg cttgtcggcg gggacaaagg gggcggggct agggggcttg 42180

cggaaacaga agacgcgtgg gataaaagaa tcgcactacc ccaaggaagg gcggggcggt 42240

ttattacaga gccagtccct tgagcgggga tgcgtcatag acgagatact gcgcgaagtg 42300

ggtctcccgc gcgtgggctt ccccgttgcg ggcgctgcgg aggagggcgg ggtcgctggc 42360

gcaggtgagc gggtaggcct cctgaaacag gccacacggg tcctccacga gttcgcggca 42420

ccccgggggg cgcttaaact gtacgtcgct ggcggcggtg gccgtggaca ccgccgaacc 42480

cgtctccacg atcaggcgct ccaggcagcg atgtttggcg gcgatgtcgg ccgacgtaaa 42540

gaacttaaag caggggctga gcaccggcga ggccccgttg aggtggtagg ccccgttata 42600

gagcaggtcc ccgtacgaaa atcgctgcga cgcccacggg ttggccgtgg ccgcaaaggc 42660

ccgggacggg tcgctctggc cgtggtcgta catgagggcg gtgacatccc cctccttgtc 42720

ccccgcgtaa acgcccccgg cggcgcgtcc ccgggggttg cagggccggc ggaagtagtt 42780

gacgtcggtc gacacggggg tggcgataaa ctcacacacg gcgtcctggc cgtggtccat 42840

ccctgcgcgc cgcggcacct gggcgcaccc gaacacgggg acgggctggg ccggccccag 42900

gcggtttccc gccacgaccg cgttccgcag gtacacggct gccgcgttgt ccaggagagg 42960

gggagccccg cggcccaggt aaaagttttg gggaaggttg cccatgtcgg tgacggggtt 43020

gcggacggtt gccgtggcca cgacggcggt gtagcccacg cccaggtcca cgttcccgcg 43080

cggctgggtg agcgtgaagt ttacccccc gccagtttcg tgccgggcca cctggagctg 43140

gcccaggaag tacgcctccg acgcgcgctc cgagaacagc atgttctcag tcacaaagcg 43200

gtcctgtcgg acgacggtga acccaaaccc gggatggagg cccgtcttga gctgatgatg 43260

caaggccacg ggactgatct tgaagtaccc cgccatgagc gcgtaggtca gcgcgttctc 43320

cccggccgcg ctctcgcgga cgtgctgcac gacgggctgt cggatcgacg aaaagtagtt 43380

ggcccccaga gccgggggga ccagggggac ctgccgcgac aggtcgcgca gggccggggg 43440

gaaattgggc gcgttcgcca cgtggtcggc cccggcgaac agcgcgttga cgggaagggg 43500

gtaaaaatag tcgccatttt ggatggtatg gtccagatgc tgggggggcca tcagcaggat 43560

tccggcgtgc aacgccccgt cgaatatgcg catgttggtg gtggacgcgg tgttggcgcc 43620

cgcgtcgggc gccgccgagc agagcagcgc cgttgtgcgt tcggccatgt tgtgggccag 43680

cacctgcagc gtgagcatgg cgggcccgtc cactaccacg cgcccgttgt gaaacatggc 43740

gttgaccgtg ttggccacca gattggccgg gtgcaggggg tgcgcggggt ccgtcacggg 43800

gtcgctgggg cactcctcgc cgggggcgat ctccgggacc accatgttct gcagggtggc 43860

gtatacgcgg tcgaagcgaa cccccgcggt gcagcagcgg ccccgcgaga aggcgggcac 43920

catcacgtag tagtaaatct tgtggtgcac ggtccagtcc gccccccggt gcggccggtc 43980

atccgcggcg tccgcggctc gggcctgggt gttgtgcagc agctggccgt cgttgcggtt 44040

gaagtccgcg gtcgccacgt tacatgccgc cgcgtacacg gggtcgtggc cccccgcgct 44100

aacccggcag tcgcgatggc ggtccagggc cgcgcgccgc atcagggcgt cacagtccca 44160

cacgaggggt ggcagcagcg ccgggtctcg cattaggtga ttcagctcgg cttgcgcctg 44220

cccgcccagc tccgggccgg tcagggtaaa gtcatcaacc agctgggcca gggcctcgac 44280

gtgcgccacc aggtcccggt acacggccat gcactcctcg ggaaggtctc ccccgaggta 44340

ggtcacgacg tacgagacca gcgagtagtc gttcacgaac gccgcgcacc gcgtgttgtt 44400

ccagtagctg gtgatgcact ggacaacgag ccgggccagg gcgcagaaga cgtgctcgct 44460

gccgtgtatg gcggcctgca gcaggtaaaa caccgccggg tagttgcggt cgtcgaacgc 44520

cccgcgaacg gcggcgatgg tggcgggggc catggcgtgg cgtcccaccc ccagctccag 44580

gccccgggcg tcccggaacg ccgccggaca tagcgccagg ggcaagttgc cgttcaccac 44640

gcgccaggtg gcctggatct ccccccgggcc ggccggggga acgtcccccc ccggcagctc 44700

cacgtcggcc acccccacga agaagtcgaa cgcggggtgc agctcaagag ccaggttggc 44760

gttgtcgggc tgcataaact gctccggggt catctggcct tccgcgaccc atcggacccg 44820

cccgtgggcc aggcgctgcc cccaggcgtt caaaaacagc tgctgcatgt ctgcggcggg 44880

gccggccggg gccgccacgt acgccccgta cggattggcg gcttcgacgg ggtcgcggtt 44940

aaggcccccg accgccgcgt caacgttcat cagcgaaggg tggcacacgg tcccgatcgc 45000

gtgttccaga gacaggcgca gcacctggcg gtccttcccc caaaaaaaca gctggcgggg 45060

cgggaaggcg cggggatccg ggtggccggg ggcggggact aggtccccgg cgtgcgcggc 45120

aaaccgttcc atgaccggat tgaacaggcc caggggcagg acgaacgtca ggtccatggc 45180

gcccaccagg gggtagggaa cgttggtggc ggcgtagatg cgcttctcca gggcctccag 45240

aaagaccagc ttctcgccga tggacaccag atccgcgcgc acgcgcgtcg tctgggggggc 45300

gctctcgagc tcgtccagcg tctgccggtt caggtcgagc tgctcctcct gcatctccag 45360

caggtggcgg cccacgtcgt ccagacttcg cacggccttg cccatcacga gcgccgtgac 45420

caggttggcc ccgttcagga ccatctcgcc gtacgtcacc ggcacgtcgg cttcggtgtc 45480

ctccactttc aggaaggact gcaggaggcg ctgtttgatc ggggctgtgg tgactagcac 45540

cccgtcgacc ggccgcccgc gcgtgtcggc atgcgtcaga cggggcacgg ccacggaggg 45600

ctgcgtggcc gtggtgaggt ccacgagcca ggcctcgacg gcctcccggc ggtggcccgc 45660

cttgcccagg aaaaagctcg tctcgcagaa gcttcgcttt agctcggcga ccagggtcgc 45720

ccgggccacc ctggtggcca ggcggccgtt gtccaggtat cgttgcatcg gcaacaacaa 45780

agccaggggc ggcgcctttt ccagcagcac gtgcagcatc tggtcggccg tgccgcgctc 45840

aaacgccccg aggacggcct ggacgttgcg agcgagctgt tggatggcgc gcaactggcg 45900

atgcgcgctg atacccgtcc cgtccagggc ctcccccgtg agcagggcga tggcctcggt 45960

ggccaggctg aaggcggcgt tcagggcccg gcggtcgata atcttggtca tgtaattgtg 46020

tgtgggttgc tcgatggggt gcgggccgtc gcgggcaatc agcggctggt ggacctcgaa 46080

ctgtacgcgc ccctcgttca tgtaggccag ctccggaaac ttggtacaca cgcacgccac 46140

cgacaacccg agctccagaa agcgcacgag cgacagggtg ttgcaatacg accccagcag 46200

ggcgtcgaac tcgacgtcgt acaggctgtt tgcatcggag cgcacgcggg aaaaaaaatc 46260

gaacaggcgt cgatgcgacg ccacctcgat cgtgctaagg agggacccgg tcggcaccat 46320

ggccgcggca taccggtatc ccggagggtc gcggttggga gcggccatgg ggtcgcgtgg 46380

agatcggctg tctctagcga tattggcccg gggaggctaa gatccacccc aacgcccggc 46440

cacccgtgta cgtgcccgac ggcccaaggt ccaccgaaag acacgacgga cccggaccca 46500

aagaggcggg ggatgctgtg tgagaggccg ggtgtcggtc ggggggggaaa ggcaccggga 46560

gaaggctgcg gcctcgttcc aggagaaccc agtgtcccca acagacccgg ggacgtggga 46620

tccccggcct tatatacccc cccccgcccc acccccgtta gaacgcgacg ggtgcattca 46680

agatggccct ggtccaaaag cgtgccagga agaaattggc agaggcggca aagctgtccg 46740

ccgccgccac ccacatcgag gccccggccg cacaggctat ccccagggcc cgtgtgcgca 46800

ggggatcggt gggtggcagc atttggttgg tggcgataaa gtggaaaagc ccgtccggac 46860

tgaaggtctc gtgggcggcg gcgaacaagg cacacagggc cgtgcctccc aaaaacacgg 46920

acatccccca aaacacgggc gccgacaacg gcagacgatc cctcttgatg ttaacgtaca 46980

ggaggagcgc ccgcaccgcc cacgtaacgt agtagccgac gatggcggcc aggatacagg 47040

ccggcgccac cacccttccg gtcagcccgt aatacatgcc cgctgccacc atctccaacg 47100

gcttcaggac caaaaacgac caaaggaaca gaatcacgcg ctttgaaaag accggctggg 47160

tatggggcgg aagacgcgag tatgccgaac tgacaaaaaa atcagaggtg ccgtacgagg 47220

acaatgaaaa ctgttcctcc agcggcagtt ctccctcctc ccccccgaag gcggcctcgt 47280

cgaccagatc tcgatccacc agaggaaggt catcccgcat ggtcatgggg tgtgcggtgg 47340

aggtggggag accgaaaccg caaagggtcg cttacgtcag caggatcccg agatcaaaga 47400

cacccgggtt cttgcacaaa caccacccgg gttgcatccg cggaggcgag tgttttgata 47460

aggccgttcc gcgccttgat ataacctttg atgttgacca caaaacccgg aatttacgcc 47520

tacgccccaa tgcccacgca agatgaggta ggtaaccccc ccgtgggtgt gacgttgcgt 47580

ttagttcatt ggaggccaag gggaaaaatg gggtggggag gaaacggaaa acccagtagg 47640

ccgtgtcggg aacacgcccg gggttgtcct caaaaggcag ggtccatact acggaagccg 47700

tcgttgtatt cgagacctgc ctgtgcgacg cacgtcgggg ttgcctgtgt ccggttcggc 47760

ccccaccgcg tgcggcacgc acgaggacga gtccgcgtgc tttattggcg ttccaagcgt 47820

tgccctccag tttctgttgt cggtgttccc ccatacccac gcccacatcc accgtagggg 47880

gcctctgggc cgtgttacgt cgccgcccgc gatggagctt agctacgcca ccaccatgca 47940

ctaccgggac gttgtgtttt acgtcacaac ggaccgaaac cgggcctact ttgtgtgcgg 48000

ggggtgtgtt tattccgtgg ggcggccgtg tgcctcgcag cccggggaga ttgccaagtt 48060

tggtctggtc gttcgaggga caggcccaga cgaccgcgtg gtcgccaact atgtacgaag 48120

cgaactccga caacgcggcc tgcaggacgt gcgtcccatt ggggaggacg aggtgtttct 48180

ggacagcgtg tgtcttctaa acccgaacgt gagctccgag ctggatgtga ttaacacgaa 48240

cgacgtggaa gtgctggacg aatgtctggc cgagtactgc acctcgctgc gaaccagccc 48300

gggtgtgcta atatccgggc tgcgcgtgcg ggcgcaagac agaatcatcg agttgtttga 48360

acacccaacg atagtcaacg tttcctcgca ctttgtgtat accccgtccc catacgtgtt 48420

cgccctggcc caggcgcacc tcccccggct cccgagctcg ctggaggccc tggtgagcgg 48480

cctgtttgac ggcatccccg ccccacgcca gccacttgac gcccacaacc cgcgcacgga 48540

tgtggttatc acgggccgcc gcgccccacg acccatcgcc gggtcggggg cggggtcggg 48600

gggcgcgggc gccaagcggg ccaccgtcag cgagttcgtg caagtcaaac acattgaccg 48660

cgtgggcccc gctggcgttt cgccggcgcc tccgccaaac aacaccgact cgagttccct 48720

ggtgcccggg gcccaggatt ccgccccgcc cggccccacg ctaagggagc tgtggtgggt 48780

gttttatgcc gcagaccggg cgctggagga gccccgcgcc gactctggcc tcacccgcga 48840

ggaggtacgt gccgtacgtg ggttccggga gcaggcgtgg aaactgtttg gctccgcggg 48900

ggccccgcgg gcgtttatcg gggccgcgtt gggcctgagc cccctccaaa agctggccgt 48960

ttactactat atcatccacc gagagaggcg cctgtccccc ttccccgcgc tagtccggct 49020

cgtaggccgg tacacacagc gccacggcct gtacgtccct cggcccgacg acccagtctt 49080

ggccgatgcc atcaacgggc tggttcgcga cgcgctggcg gccggaacca cagccgagca 49140

gctcctcatg ttcgaccttc tccccccaaa ggacgtgccg gtgggaagcg acgtgcaggc 49200

cgacagcacc gctctgctgc gctttataga atcgcaacgt ctcgccgtcc ccgggggggt 49260

gatctccccc gagcacgtcg cgtaccttgg tgcgttcctg agcgtgctgt acgctggccg 49320

cgggcgcatg tccgcagcaa cgcacaccgc gcggctgaca ggggtgacct ccctggtgct 49380

agcggtgggt gacgtggacc gtctttccgc gtttgaccgc ggagcggcgg gcgcggccag 49440

ccgcacgcgg gccgccgggt acctggatgt gcttcttacc gttcgtctcg ctcgctccaa 49500

acacggacag tctgtgtaac agaccccaat aaacgtatgt cgctaccaca cccttgtgtg 49560

tcaatggacg cctctccggg ggggaaggga aaacaaagag gggctggggg agcggcacca 49620

ctggggcctg aacaaacaaa caaaccacag acacggttac agtttattcg gtcgggcgga 49680

taaacggccg aagccacgcc ccctttattc gcgtctccaa aaaaacggga cacttgtccg 49740

gagaaccttt aggatgccag ccagggcggc ggtaatcata accacgccca gcgcagaggc 49800

ggccagaaac ccgggcgcaa ttgcggccac gggctgcgtg tcaaaggcta gcaaatgaat 49860

gacggttccg tttggaaata gcaacaaggc cgtggacggc acgtcgctcg aaaacacgct 49920

cggggcgccc tccgtcggcc cggcggcgat ttgctgctgt gtgttgtccg tatccaccag 49980

caacacagac atgacctccc cggctggggt gtagcgcata aacacggccc ccacgagccc 50040

caggtcgcgc tggttttggg tgcgcaccag ccgcttggac tcgatatccc gggtggagcc 50100

ttcgcatgtc gcggtgaggt aggttaggaa cagtgggcgt cggacgtcga cgccggtgag 50160

cttgtagccg atcccccggg gcagagggga gtgggtgacg acgtagctgg cgttgtgggt 50220

gatgggtacc aggatccgtg gctcgacgtt ggcagactgc cccccgcacc gatgtgaggc 50280

ctcagggacg aaggcgcgga tcagggcgtt gtagtgtgcc cagcgcgtca gggtcgaggc 50340

gaggccgtgg gtctgctggg ccaggacttc gaccggggtc tcggatcggg tggcttgagc 50400

cagcgcgtcc aggataaaca cgctctcgtc tagatcaaag cgcagggagg ccgcgcatgg 50460

cgaaaagtgg tccggaagcc aaaagagggt tttctggtgg tcggcccggg ccagcgcggt 50520

ccggaggtcg gcgttggtcg ctgcggcgac gtcggacgta cacagggccg atgctatcag 50580

aaggctccgg cgggcgcgtt cccgctgcac cgccgagggg acgcccgcca agaacggctg 50640

ccggaggaca gccgaggcgt aaaatagcgc ccggtggacg accggggtgg tcagcacgcg 50700

gccccctaga aactcggcat acagggcgtc gatgagatgg gctgcgctgg gcgccactgc 50760

gtcgtacgcc gaggggctat ccagcacgaa ggccagctga tagcccagcg cgtgtaatgc 50820

caagctctgt tcgcgctcca gaatctcggc caccaggtgc tggagccgag cctctagctg 50880

caggcgggcc gtgggatcca agactgacac attaaaaaac acagaatccg cggcacagcc 50940

cgcggccccg cgggcggcca acccggcaag cgcgcgcgag tgggccaaaa agcctagcag 51000

gtcggagagg cagaccgcgc cgtttgcgtg ggcggcgttc acgaaagcaa aacccgacgt 51060

cgcgagcagc cccgttaggc gccagaagag agggggggcgc gggccctgct cggcgcccgc 51120

gtcccccgag aaaaactccg cgtatgcccg cgacaggaac tgggcgtagt tcgtgccctc 51180

ctccgggtag ccgcccacgc ggcggagggc gtccagcgcg gagccgttgt cggcccgcgt 51240

cagggaccct aggacaaaga cccgataccg ggggccgccc gggggcccgg gaagagcccc 51300

cgggggggttt tcgtccgcgg ggtccccgac ccgatctagc gtctggcccg cggggaccac 51360

catcacttcc accggagggc tgtcgtgcat ggatatcacg agccccatga attcccgccc 51420

gtagcgcgcg cgcaccagcg cggcatcgca cccgagcacc agctcccccg tcgtccagat 51480

gcccacgggc cacgtcgagg ccgacgggga gaaatacacg tacctacctg gggatctcaa 51540

caggccccgg gtggccaacc aggtcgtgga cgcgttgtgc aggtgcgtga tgtccagctc 51600

cgtcgtcggg tgccgccggg ccccaaccgg cggtcggggg ggcggtgtat cacgcggccc 51660

gcttgggtgg ctcgccgtcg ccacgttgtc tccccgcggg aacgtcaggg cctcggggtc 51720

agggacggcc gaaaacgtta cccaggcccg ggaacgcagc aacacggagg cgactggatt 51780

gtacaagaga cccttaaggg gggcgaccga ggggggaggc tgggcggtcg gctcgaccgt 51840

ggtgggggcg ggcaggctcg cgttcggggg ccggccgagc aggtaggtct tcgggatgta 51900

aagcagctgg ccggggtccc gcggaaactc ggccgtggtg accaatacaa aacaaaagcg 51960

ctcctcgtac cagcgaagaa ggggcagaga tgccgtagtc aggtttagtt cgtccggcgg 52020

cgccagaaat ccgcgcggtg gtttttgggg gtcgggggtg tttggcagcc acagacgccc 52080

ggtgttcgtg tcgcgccagt acatgcggtc catgcccagg ccatccaaaa accatgggtc 52140

tgtctgctca gtccagtcgt ggacctgacc ccacgcaacg cccaaaataa taacccccac 52200

gaaccataaa ccattcccca tgggggaccc cgtccctaac ccacggggcc cgtggctatg 52260

gcagggcttg ccgccccgac gttggctgcg agccctgggc cttcacccga acttgggggg 52320

tggggtgggg aaaaggaaga aacgcgggcg tattggcccc aatggggtct cggtggggta 52380

tcgacagagt gccagccctg ggaccgaacc ccgcgtttat gaacaaacga cccaacaccc 52440

gtgcgtttta ttctgtcttt ttattgccgt catagcgcgg gttccttccg gtattgtctc 52500

cttccgtgtt tcagttagcc tcccccatct cccgggcaaa cgtgcgcgcc aggtcgcaga 52560

tcgtcggtat ggagccgggg gtggtgacgt gggtctggac catcccggag gtaagttgca 52620

gcagggcgtc ccggcagccg gcgggcgatt ggtcgtaatc caggataaag acgtgcatgg 52680

gacggaggcg tttggccaag acgtccaagg cccaggcaaa cacgttgtac aggtcgccgt 52740

tgggggccag caactcgggg gcccgaaaca gggtaaataa cgtgtccccg atatggggtc 52800

gtgggcccgc gttgctctgg ggctcggcac cctggggcgg cacggccgtc cccgaaagct 52860

gtccccaatc ctcccgccac gacccgccgc cctgcagata ccgcaccgta ttggcaagca 52920

gcccgtaaac gcggcgaatc gcggccagca tagccaggtc aagccgctcg ccggggcgct 52980

ggcgtttggc caggcggtcg atgtgtctgt cctccggaag ggcccccaac acgatgtttg 53040

tgccgggcaa ggtcggcggg atgagggcca cgaacgccag cacggcctgg ggggtcatgc 53100

tgcccataag gtatcgcgcg gccgggtagc acaggagggc ggcgatggga tggcggtcga 53160

agatgagggt gagggccggg ggcggggcat gtgagctccc agcctccccc ccgatatgag 53220

gagccagaac ggcgtcggtc acggcataag gcatgcccat tgttatctgg gcgcttgtca 53280

ttaccaccgc cgcgtccccg gccgatatct caccctggtc gaggcggtgt tgtgtggtgt 53340

agatgttcgc gattgtctcg gaagccccca gcacctgcca gtaagtcatc ggctcgggta 53400

cgtagacgat atcgtcgcgc gaacccaggg ccaccagcag ttgcgtggtg gtggttttcc 53460

ccatcccgtg aggaccgtct atataaaccc gcagtagcgt gggcattttc tgctccaggc 53520

ggacttccgt ggcttcttgc tgccggcgag ggcgcaacgc cgtacgtcgg ttgctatggc 53580

cgcgagaacg cgcagcctgg tcgaacgcag acgcgtgttg atggcagggg tacgaagcca 53640

tacgcgcttc tacaaggcgc ttgccgaaga ggtgcgggag tttcacgcca ccaagatctg 53700

cggcacgctg ttgacgctgt taagcgggtc gctgcagggt cgctcggtgt tcgaggccac 53760

acgcgtcacc ttaatatgcg aagtggacct gggaccgcgc cgccccgact gcatctgcgt 53820

gttcgaattc gccaatgaca agacgctggg cggggtttgt gtcatcatag aactaaagac 53880

atgcaaatat atttcttccg gggacaccgc cagcaaacgc gagcaacggg ccacggggat 53940

gaagcagctg cgccactccc tgaagctcct gcagtccctc gcgcctccgg gtgacaagat 54000

agtgtacctg tgccccgtcc tggtgtttgt cgcccaacgg acgctccgcg tcagccgcgt 54060

gacccggctc gtcccgcaga aggtctccgg taatatcacc gcagtcgtgc ggatgctcca 54120

gagcctgtcc acgtatacgg tccccatgga gcctaggacc cagcgagccc gtcgccgccg 54180

cggcggcgcc gcccgggggt ctgcgagcag accgaaaagg tcacactctg gggcgcgcga 54240

cccgcccgag tcagcggccc gccagttacc acccgccgac caaacccccg cctccacgga 54300

gggcgggggg gtgcttaaga ggatcgcggc gctcttctgc gtgcccgtgg ccaccaagac 54360

caaaccccga gccgcctccg aatgagagtg tttcgttcct tccccctccc cccgcgtcag 54420

acaaacccta accaccgctt aagcggcccc cgcgaggtcc gaagactcat ttggatccgg 54480

cgggagccac ccgacaacag cccccgggtt ttcccacgcc agacgccggt ccgctgtgcc 54540

atcgcgcccc ctcatcccac cccccatctt gtccccaaat aaaacaaggt ctggtagtta 54600

ggacaacgac cgcagttctc gtgtgttatt ttcgctctcc gcctctcgca gatggacccg 54660

tactgcccat ttgacgctct ggacgtctgg gaacacaggc gcttcatagt cgccgattcc 54720

cgaaacttca tcacccccga gttcccccgg gacttttgga tgtcgcccgt ctttaacctc 54780

ccccgggaga cggcggcgga gcaggtggtc gtcctacagg cccagcgcac agcggctgcc 54840

gctgccctgg agaacgccgc catgcaggcg gccgagctcc ccgtcgatat cgagcgccgg 54900

ttacgcccga tcgaacggaa cgtgcacaag atcgcaggcg ccctggaggc gctggagacg 54960

gcggcggccg ccgccgaaga ggcggatgcc gcgcgcgggg atgagccggc gggtgggggc 55020

gacgggggg cgcccccgag tctggccgtc gcggagatgg aggtccagat cgtgcgcaac 55080

gacccgccgc tacgatacga caccaacctc cccgtggatc tgctacacat ggtgtacgcg 55140

ggccgcgggg cgaccggatc gtcgggggtg gtgttcggga cctggtaccg cactatccag 55200

gaccgcacca tcacggactt tcccctgacc acccgcagtg ccgactttcg ggacggccgt 55260

atgtccaaga ccttcatgac ggcgctggta ctgtccctgc agtcgtgcgg ccggctgtat 55320

gtgggccagc gccactattc cgccttcgag tgcgccgtgt tgtgtctcta cctgctgtac 55380

cgaaacacgc acggggccgc cgacgatagc gaccgcgctc cggtcacgtt cggggatctg 55440

ctgggccggc tgccccgcta cctggcgtgc ctggccgcgg tgatcgggac cgagggcggc 55500

cggccacagt accgctaccg cgacgacaag ctccccaaga cgcagttcgc ggccggcggg 55560

ggccgctacg aacacggagc gctggcgtcg cacatcgtga tcgccacgct gatgcaccac 55620

ggggtgctcc cggcggcccc gggggacgtc ccccgggacg cgagcaccca cgttaacccc 55680

gacggcgtgg cgcaccacga cgacataaac cgcgccgccg ccgcgttcct cagccggggc 55740

cacaacctat tcctgtggga ggaccagact ctgctgcggg caaccgcgaa caccataacg 55800

gccctgggcg ttatccagcg gctcctcgcg aacggcaacg tgtacgcgga ccgcctcaac 55860

aaccgcctgc agctgggcat gctgatcccc ggagccgtcc cttcggaggc catcgcccgt 55920

ggggcctccg ggtccgactc gggggccatc aagagcggag acaacaatct ggaggcgcta 55980

tgtgccaatt acgtgcttcc gctgtaccgg gccgacccgg cggtcgagct gacccagctg 56040

tttcccggcc tggccgccct gtgtcttgac gcccaggcgg ggcggccggt cgggtcgacg 56100

cggcgggtgg tggatatgtc atcgggggcc cgccaggcgg cgctggtgcg cctcaccgcc 56160

ctggaactca tcaaccgcac ccgcacaaac cccacccccg tgggggaggt tatccacgcc 56220

cacgacgccc tggcgatcca atacgaacag gggcttggcc tgctggcgca gcaggcacgc 56280

attggcttgg gctccaacac caagcgtttc tccgcgttca acgttagcag cgactacgac 56340

atgttgtact ttttatgtct ggggttcatt ccacagtacc tgtcggcggt ttagtgggtg 56400

gtgggcgagg ggggaggggg cattagggag aaagaacaag agcctccgtt gggttttctt 56460

tgtgcctgta ctcaaaaggt cataccccgt aaacggcggg ctccagtccc ggcccggcgg 56520

ttggcgtgaa cgcaacggcg ggagctgggt tagcgtttag tttagcattc gctctcgcct 56580

ttccgcccgc cccccgaccg ttgcgccttt ttttttttttc gtccaccaaa gtctctgtgg 56640

gtgcgcgcat ggcagccgat gccccgggag accggatgga ggagcccctg ccagacaggg 56700

ccgtgcccat ttacgtggct gggtttttgg ccctgtatga cagcggggac tcgggcgagt 56760

tggcattgga tccggatacg gtgcgtgcgg ccctgcctcc ggataaccca ctcccgatta 56820

acgtggacca ccgcgctggc tgcgaggtgg ggcgggtgct ggccgtggtc gacgaccccc 56880

gcgggccgtt ttttgtggga ctgatcgcct gcgtgcaact ggagcgcgtc ctcgagacgg 56940

ccgccagcgc tgcgattttc gagcgccgcg ggccgccgct ctcccgggag gagcgcctgt 57000

tgtacctgat caccaactac ctgccctcgg tctccctggc cacaaaacgc ctgggggggcg 57060

aggcgcaccc cgatcgcacg ctgttcgcgc acgtcgcgct gtgcgcgatc gggcggcgcc 57120

tcggcactat cgtcacctac gacaccggtc tcgacgccgc catcgcgccc tttcgccacc 57180

tgtcgccggc gtctcgcgag ggggcgcggc gactggccgc cgaggccgag ctcgcgctgt 57240

ccggacgcac ctgggcgccc ggcgtggagg cgctgaccca cacgctgctt tccaccgccg 57300

ttaacaacat gatgctgcgg gaccgctgga gcctggtggc cgagcggcgg cggcaggccg 57360

ggatcgccgg acacacctac ctccaggcga gcgaaaaatt caaaatgtgg ggggcggagc 57420

ctgtttccgc gccggcgcgc gggtataaga acggggcccc ggagtccacg gacataccgc 57480

ccggctcgat cgctgccgcg ccgcagggtg accggtgccc aatcgtccgt cagcgcgggg 57540

tcgcctcgcc cccggtactg ccccccatga accccgttcc ggcatcgggc accccggccc 57600

ccgcgccgcc cggcgacggg agctacctgt ggatcccggc ctcccattac aaccagctcg 57660

tcgccggcca cgccgcgccc caaccccagc cgcattccgc gtttggtttc ccggctgcgg 57720

cgggggccgt ggcctatggg cctcacggcg cgggtctttc ccagcattac cctccccacg 57780

tcgcccatca gtatcccggg gtgctgttct cgggacccag cccactcgag gcgcagatag 57840

ccgcgttggt gggggccata gccgcggacc gccaggcggg cggtcagacg gccgcgggag 57900

accctggggt ccgggggtcg ggaaagcgtc gccggtacga ggcggggccg tcggagtcct 57960

actgcgacca ggacgaaccg gacgcggact acccgtacta ccccgggggag gctcgaggcg 58020

ggccgcgcgg ggtcgactct cggcgcgcgg cccgccagtc tcccgggacc aacgagacca 58080

tcacggcgct gatgggggcg gtgacgtctc tgcagcagga actggcgcac atgcgggctc 58140

ggaccagcgc cccctatgga atgtacacgc cggtggcgca ctatcgccct caggtggggg 58200

agccggaacc aacaacgacc cacccggccc tttgtccccc ggaggccgtg tatcgccccc 58260

caccacacag cgccccctac ggtcctcccc agggtccggc gtcccatgcc cccactcccc 58320

cgtatgcccc agctgcctgc ccgccaggcc cgccaccgcc cccatgtcct tccacccaga 58380

cgcgcgcccc tctaccgacg gagcccgcgt tccccccccgc cgccaccgga tcccaaccgg 58440

aggcatccaa cgcggaggcc ggggcccttg tcaacgccag cagcgcagca cacgtggacg 58500

ttgacacggc ccgcgccgcc gatttgttcg tctctcagat gatgggggcc cgctgattcg 58560

ccccggtctt tggtaccatg ggatgtctta ctgtatatct ttttaaataa accaggtaat 58620

accaaataag acccattggt gtatgttctt tttttattgg gaggcgcggg taggcgggta 58680

gctttacaat gcaaaagcct tcgacgtgga ggaaggcgtg ggggggggaat cggcactgac 58740

caaggggtc cgttttgtca cgggaaagga aagaggaaac aggccgcgga cacccggggg 58800

agtttatgtg ttccctttc tttcttccca cacacacaaa aggcgtacca aacaaacaaa 58860

ccaaaagatg cacatgcggt ttaacacccg tggtttttat ttacaacaaa ccccccgtca 58920

caggtcgtcc tcgtcggcgt caccgtcttt gttgggaact tgggtgtagt tggtgttgcg 58980

gcgcttgcgc atgaccatgt cggtgacctt ggcgctgagc agcgcgctcg tgcccttctt 59040

cttggccttg tgttccgtgc gctccatggc agacaccagg gccatgtacc gtatcatctc 59100

ccgggcctcg gctagcttgg cctcgtcaaa gtcgccgccc tcctcgccct ccccggacgc 59160

gtccgggttg gtggggttct tgagctcctt ggtggttagc gggtacaggg ccttcatggg 59220

gttgctctgc agccgcatga cgtagcgaaa ggcgaagaaa gccgccgcca ggccggccag 59280

gaccaacaga cccacggcca gcgccccaaa ggggttggac atgaaggagg acacgcccga 59340

cacggccgat accacgccgc ccacgatgcc catcaccacc ttgccgaccg cgcgccccag 59400

gtcgcccatc ccctcgaaga acgcgcccag gcccgcgaac atggcggcgt tggcgtcggc 59460

gtggatgacc gtgtcgatgt cggcgaagcg caggtcgtgc agctggttgc ggcgctggac 59520

ctccgtgtag tccagcaggc cgctgtcctt gatctcgtgg cgggtgtaca cctccagggg 59580

gacaaactcg tgatcctcca gcatggtgat gttgaggtcg atgaaggtgc tgacggtggt 59640

gatgtcggcg cggctcagct ggtgggagta cgcgtactcc tcgaagtaca cgtagccccc 59700

gccgaaggtg aagtagcgcc ggtgtcccac ggtgcacggc tcgatcgcat cgcgcgtcag 59760

ccgcagctcg ttgttctccc ccagctgccc ctcgaccaac gggccctggt cttcgtaccg 59820

aaagctgacc agggggcggc tgtagcaggc cccgggccgc gagctgatgc gcatcgagtt 59880

ttggacgatc acgttgtccg cggcgaccgg cacgcacgtg gagacggcca tcacgtcgcc 59940

gagcatccgc gcgctcaccc gccggcccac ggtggccgag gcgatggcgt tggggttcag 60000

cttgcgggcc tcgttccaca gggtcagctc gtgattctgc agctcgcacc acgcgatggc 60060

aacgcggccc aacatatcgt tgacatggcg ctgtatgtgg ttgtacgtaa actgcagccg 60120

ggcgaactcg atggaggagg tggtcttgat gcgctccacg gacgcgttgg cgctggcccc 60180

gggcggcggg ggcgtggggt ttgggggctt gcggctctgc tctcggaggt gttcccgcac 60240

gtacagctcc gcgagcgtgt tgctgagaag gggctggtac gcgatcagaa agcccccatt 60300

ggccaggtag tactgcggct ggcccacctt gatgtgcgtc gcgttgtacc tgcgggcgaa 60360

gatgcggtcc atggcgtcgc gggcgtcctt gccgatgcag tcccccaggt ccacgcgcga 60420

gagcgggtac tcggtcaggt tggtggtgaa ggtggtggat atggcgtcgg aggagaatcg 60480

gaaggagccg ccgtactcgg agcgcagcat ctcgtccacc tcctgccact tggtcatggt 60540

gcagaccgac gggcgctttg gcacccagtc ccaggccacg gtgaacttgg gggtcgtgag 60600

caggttccgg gtggtcggcg ccgtggcccg ggccttggtg gtgaggtcgc gcgcgtagaa 60660

gccgtcaacc tgcttgaagc ggtcggcggc gtagctggtg tgttcggtgt gcgacccctc 60720

ccggtagccg taaaacgggg acatgtacac aaagtcgcca gtcgccagca caaactcgtc 60780

gtacgggtac accgagcgcg cgtccacctc ctcgacgatg cagtttaccg tcgtcccgta 60840

ccggtggaac gcctccaccc gcgaggggtt gtacttgagg tcggtggtgt gccagccccg 60900

gctcgtgcgg gtcgcggcgt tggccggttt cagctccatg tcggtctcgt ggtcgtcccg 60960

gtgaaacgcg gtggtctcca ggttgttgcg cacgtacttg gccgtggacc gacagacccc 61020

cttggcgttg atcttgtcga tcacctcctc gaaggggacg ggggcgcggt cctcaaagat 61080

ccccataaac tgggagtagc ggtggccgaa ccacacctgc gaaacggtga cgtctttgta 61140

gtacatggtg gccttgaact tgtacggggc gatgttctcc ttgaagacca ccgcgatgcc 61200

ctccgtgtag ttctgaccct cgggccgggt cgggcagcgg cgcggctgct cgaactgcac 61260

caccgtggcg cccgtggggg gtgggcacac gtaaaagttt gcatcggtgt tctccgcctt 61320

gatgtcccgc aggtgctcgc gcagggtggc gtggcccgcg gcgacggtcg cgttgtcgcc 61380

ggcggggcgc ggcggcggtg ggtttttcgg ttttttgttc ttcttcggtt tcgtgtcccc 61440

cgttggggcg gggccagggg cgggcggcgc cggagtggca ggtcccccgt tcgccgcctg 61500

ggtcgcggcc gcgaccccag gcgtgccggg ggaactcgga gccgccgacg ccaccaggac 61560

ccccagcgtc aaccccaaga gcgcccatac gacgaaccac cggcaccccc gcgcgggggc 61620

gccctggcgc atggcgggac tacgggggcc cgtcgtgccc cccgtcaggt agcctggggg 61680

cgaggtgctg gaggaccgag tagaggatcg agaaaacgtc tcggtcgtag accacgaccg 61740

accgggggcc gatacagccg tcgggggcgc tctcgacgat ggccaccagc ggacagtcgg 61800

agtcgtacgt gagatatacg ccgggcgggt aacggtaacg accttcggag gtcgggcggc 61860

tgcagtccgg gcggcgcaac tcgagctccc cgcaccggta gaccgaggca aagagtgtgg 61920

tggcgataat cagctcgcga atatatcgcc aggcggcgcg ctgagtgggc gttattccgg 61980

aaatgccgtc aaaacagtaa aacctctgaa attcgctgac ggcccaatca gcacccgagc 62040

cccccgcccc catgatgaac cgggcgagct cctccttcag gtgcggcagg agccccacgt 62100

tctcgacgct gtaatacagc gcggtgttgg ggggctgggc gaagctgtgg gtggagtgat 62160

caaagagggg cccgttgacg agctcgaaga agcgatgggt gatgctgggg agcagggccg 62220

ggtccacctg gtgtcgcagg agagacgctc gcatgaaccg gtgcgcgtcg aacacgcccg 62280

gcgccgagcg gttgtcgatg accgtgcccg cgcccgccgt cagggcgcag aagcgcgcgc 62340

gcgccgcaaa gccgttggcg accgcggcga acgtcgcggg cagcacctcg ccgtggacgc 62400

tgacccgcag catcttctcg agctccccgc gctgctcgcg gacgcagcgc cccaggctgg 62460

ccaacgaccg cttcgtcagg cggtccgcgt acagccgccg tcgctcccgc acgtccgcgg 62520

ccgcttgcgt ggcgatgtcc ccccacgtct cgggcccctg ccccccgggc ccgcggcgac 62580

ggtcttcgtc ctcgcccccg cccccgggag ctcccaaccc ccgtgcccct tcctctacgg 62640

cgacacggtc cccgtcgtcg tcggggcccg cgccgccctt gggcgcgtcc gccgcgcccc 62700

ccgcccccat gcgcgccagc acgcgacgca gcgcctcctc gtcgcactgt tcggggctga 62760

cgaggcgccg caagagcggc gtcgtcaggt ggtggtcgta gcacgcgcgg atgagcgcct 62820

cgatctgatc gtcgggtgac gtggcctgac cgccgattat tagggcgtcc accatatcca 62880

gcgccgccag gtggctcccg aacgcgcgat cgaaatgctc cgcccgccgc ccgaacagcg 62940

ccagttccac ggccaccgcg gcggtctcct gctgcaactc gcgccgcgcc agcgcggtca 63000

ggttgctggc aaacgcgtcc atggtggtct ggccggcgcg gtcgccggac gcgagccaga 63060

atcgcaattc gctgatggcg tacaggccgg gcgtggtggc ctgaaacacg tcgtgcgcct 63120

ccagcagggc gtcggcctcc ttgcggaccg agtcgttctc gggcgacggg tggggctgcc 63180

cgtcgccccc cgcggtccgg gccagcgcat ggtccaacac ggagagcgcc cgcgcgcggt 63240

cggcgtccga cagcccggcg gcgtggggca ggtaccgccg cagctcgttg gcgtccagcc 63300

gcacctgcgc ctgctgggtg acgtggttac agatacggtc cgccaggcgg cgggcgatcg 63360

tcgccccctg gttcgccgtc acacacagtt cctcgaaaca gaccgcgcag gggtgggacg 63420

ggtcgctaag ctccgggggg acgataaggc ccgaccccac cgcccccacc ataaactccc 63480

gaacgcgctc cagcgcggcg gtggcgccgc gcgagggggt gatgaggtgg cagtagttta 63540

gctgctttag aaagttctcg acgtcgtgca ggaaacacag ctccatatgg acggtcccgc 63600

catacgtatc cagcctgacc cgttggtgat acggacaggg tcgggccagg cccatggtct 63660

ccgtgaaaaa caccgcgacg tctcccgcgg tcgcgaacgt ctccaggctg cccaggagcc 63720

gctcgccctc gcgccacgcg tactctagca gcaactccag ggtgaccgac agcggggtga 63780

gaaaggcccc ggcctgggcc tccaggcccg gcctcagacg acgccgcagc gcccgcacct 63840

gaagcgcgtt cagcttcagt tgggggagct tcccccgtcc gatgtggggg tcgcaccgcc 63900

ggagcagctc tatctgaaac acataggtct gcacctgtcc gagcagggct aacaactttt 63960

gacgggccac ggtgggctcg gacaccgggg cggccatctc gcggcgccga tctgtaccgc 64020

ggccggagta tgcggtggac cgaggcggtc cgtacgctac ccggcgtctg gctgagcccc 64080

ggggtccccc tattcggggc ggcctcccgc gggcccgccg accggcaagc cgggagtcgg 64140

cggcgcgtgc gtttctgttc tattcccaga caccgcggag aggaatcacg gcccgcccag 64200

agatatagac acggaacaca aacaagcacg gatgtcgtag caataattta ttttacacac 64260

attccccgcc ccgccctagg ttcccccacc ccccaacccc tcacagcata tccaacgtca 64320

ggtctccctt tttgtcgggg ggcccctccc caaacgggtc atccccgtgg aacgcccgtt 64380

tgcggccggc aaatgccggt cccggggccc ccgggccgcc gaacggcgtc gcgttgtcgt 64440

cctcgcagcc aaaatcccca aagttaaaca cctccccggc gttgccgagt tggctgacta 64500

gggcctcggc ctcgtgcgcc acctccaggg ccgcgtccgt cgaccactcg ccgttgccgc 64560

gctccagggc acgtgcggtc agctccatca tctcctcgct taggtactcg tcctccagga 64620

gcgccagcca gtcctcgatc tgcagctgtt gggtgcgggg ccccaggctt ttcacggtcg 64680

ccacgaacac gctactggcg acggccgccc cgccctcgga gataatgccc cggagctgct 64740

cgcacagcga gctttcgtgc gctccgccgc cgaggctcga ggccgcgcac acaaacccgg 64800

cccggggaca ggccaggacg aacttgcggg tgcggtcaaa aataaggagc gggcacgcgt 64860

ttttgccgcc catcaggctg gcccagttcc cggcctgaaa cacacggtcg ttgccggcca 64920

tgccgtagta tttgctgatg ctcaacccca acacgaccat ggggcgtgcc gccatgacgg 64980

gccgcagcag gttgcagctg gcgaacatgg aggtccacgc gcccggatgc gcgtccacgg 65040

cgtccatcag cgcgcgggcc ccggcctcca ggcccgcccc gccctgcgcg gaccacgcgg 65100

ccgccgcctg cacgctgggg ggacggcggg accccgcgat gatggccgtg agggtgttga 65160

tgaagtacgt cgagtgatcg cagtaccgca gaatctggtt tgccatgtag tacatcgcca 65220

gctcgctcac gttgttgggg gccaggttaa taaagttgat cgcgccgtag tccagggaaa 65280

acttttaat gaacgcgatg gtctcgatgt cctcgcgcga caggagccgg gcgggaagct 65340

ggttgcgttg gagggccgtc cagaaccact gcgggttcgg ctggttggac cccgggggct 65400

tgccgttggg gaagatggcc gcgtggaact gcttcagcag aaagcccagc ggtccgagga 65460

ggatgtccac gcgcttgtcg ggcttctggt aggcgctctg gaggctggcg acccgcgcct 65520

tggcggcctc ggacgcgttg gcgctcgcgc ccgcgaacaa cacgcggctc ttgacgcgca 65580

gctccttggg aaaccccagg gtcacgcggg caacgtcgcc ctcgaagctg ctctcggcgg 65640

gggccgtctg gccggccgtc aggctggggg cgcagatagc cgcaccctcc gagagcgcga 65700

ccgtcagcgt tttggccgac agaaacccgt tgttaaacat gtccatcacg cgccgccgca 65760

gcaccggttg gaattgattg cgaaagttgc gcccctcgac cgactgcccg gcgaacaccc 65820

cgtggcactg gctcagggcc aggtcctggt acacggcgag gttggatcgc cgcccgagaa 65880

gctgaagcag ggggcacggc ccgcacgcgt acgggtccag cgtcagggac atggcgtggt 65940

tggcctcgcc cagaccgtcg cgaaacttga agttcctccc ctccaccagg ttgcgcatca 66000

gctgctccac ctcgcggtcc acgacctgcc tgacgttgtt caccaccgta tgcagggcct 66060

cgcggttggt gatgatggtc tccagccgcc ccatggccgt ggggaccgcc tggtccacgt 66120

actgcagggt ctcgagttcg gccatgacgc gctcggtcgc cgcgcggtac gtctcctgca 66180

tgatggtccg ggcggtctcg gatccgtccg cgcgcttcag ggccgagaag gcggcgtagt 66240

ttcccagcac gtcgcagtcg ctgtacatgc tgttcatggt cccgaagacg ccgatggctc 66300

cgcgggcggc gctggcgaac ttgggatggc gcgcccggag gcgcatgagc gtcgtgtgta 66360

cgcaggcgtg gcgcgtgtcg aaggtgcaca ggttacaggg cacgtcggtc tggttggagt 66420

ccgcgacgta tcgaaacacg tccatctcct ggcgcccgac gatcacgccg ccgtcgcagc 66480

gctccaggta aaacagcatc ttggccagca gcgccgggga aaacccacac agcatggcca 66540

ggtgctcgcc ggcaaattcc tgggttccgc cgacgagggg cgcggtgggc cgaccctcga 66600

acccgggcac cacgtgtccc tcgcggtcca cctgtgggtt ggccgccacg tgggtcccgg 66660

gcacgaggaa gaagcggtaa aaggagggtt tgctgtggtc ctttgggtcc gccgggccgg 66720

cgtcgtccac ctcggtgaga tggagggccg agttggtgct aaataccatg gcccccacga 66780

gtcccgcggc gcgcgccagg tacgccccga cggcgttggc gcgggccgcg gccgtgtcct 66840

ggccctcgaa cagcggccac gcggagatgt cggtgggcgg ctcgtcaaag acggccatcg 66900

acacgataga ctcgagggcc agggcggcgt ctccggccat gacggaggcc aggcgctgtt 66960

cgaacccgcc cgcagggccc ttgccgccgc cgtcgcgccc gccccgcggg gtcttaccct 67020

ggctggcttc gaaggccgtg aacgtaatgt cggcggggag ggcggcgccc tcgtggtttt 67080

cgtcaaacgc caggtgggcg gccgcgcggg ccacggcgtc cacgtttcgg catcgcagtg 67140

ccacggcggc gggtcccacg accgcctcga acaggaggcg gtggaggggg cggttaaaaa 67200

acggaagcgg gtaggtaaaa ttctccccga tcgatcggtg gttggcgttg aacggctctg 67260

cgatgacacg gctaaaatcc ggcatgaaca gctgcaacgg gtacacgggt atgcggtgca 67320

cctccgcccc gcctatggtt accttgtccg agcctcccag gtgcagaaag gtgttgttga 67380

tgcacacggc ctccttgaag ccctcggtaa cgaccagata caggagggcg cggtccgggt 67440

ccaggccgag gcgctcacac agcgcctccc ccgtcgtctc gtgtttgagg tcgccgggcc 67500

gggggggtgta gtccgaaaag ccaaaatggc ggcgtgcccg ctcgcagagt cgcgtcaggt 67560

tcggggcctg ggtgctgggg tccaggtgcc ggccgccgtg aaagacgtac acggacgagc 67620

tgtagtgcga gggcgtcagt ttcagggaca ccgcggtacc cccgagcccc gtcgtgcgag 67680

aacccacgac cacggccacg ttggcctcaa agccgctctc cacggtcagg cccacgacca 67740

ggggcgccac ggcgacgtcg gcatcgccgc tgcgcgccga cagtaacgcc agaagctcga 67800

tgccttcgga cggacacgcg cgagcgtaca cgtatcccag gggcccgggg gggaccttga 67860

tggtggttgc cgtcttgggc tttgtctcca tgtccttctg tcaatcggtc cgcgaacgga 67920

ggtaatcccg gcacgacgac ggacgcccga caaggtatgt ctcccgagcg tcaaaatccg 67980

ggggggggggg cggcgacggt caaggggagg gttggagacc ggggttgggg aatgaatccc 68040

taccccttcac cgacaacccc ccgggtaatc acggggtgcc gatgaacccc ggcggccggc 68100

aacgcggggt ccctgcgaga ggcacagatg cttacggtca ggtgctccgg gtcgggtgcg 68160

tctggtatgc ggttggtata tgtacacttt acctgggggc gtgcctggcc gccccagccc 68220

ctcccacgcc ctgcgcgtca tcagccggtg ggcgtggccg ctattataaa aaaagtgaga 68280

acgcgaagcg ttcgcacttt gtcctaataa tatatatatt attaggacaa agtgcgaacg 68340

cttcgcgttc tcacttttttt tataatagcg gccacgccca ccggctacgt cacgctcctg 68400

tcggccgccg gcggtccata agcccggccg gccgggccga cgcgaataaa ccgggccgcc 68460

ggccgggggcg ccgcgcagca gctcgccgcc cggatccgcc agacaaacaa ggcccttgca 68520

catgccggcc cgggcgagcc tgggggtccg gtaattttgc catcccaccc aagcggcttt 68580

ttgggttttt ctcttccccc ctccccacat ccccccctctt taggggttcg ggtggtaaca 68640

accgcgatgt tttccggtgg cggcggcccg ctgtcccccg gaggaaagtc ggcggccagg 68700

gcggcgtccg ggtttttttgc gcccgccggc cctcgcggag ccggccgggg acccccgcct 68760

tgcttgaggc aaaactttta caacccctac ctcgccccag tcgggacgca acagaagccg 68820

accgggccaa cccagcgcca tacgtactat agcgaatgcg atgaatttcg attcatcgcc 68880

ccgcgggtgc tggacgagga tgccccccg gagaagcgcg ccggggtgca cgacggtcac 68940

ctcaagcgcg cccccaaggt gtactgcggg ggggacgagc gcgacgtcct ccgcgtcggg 69000

tcgggcggct tctggccgcg gcgctcgcgc ctgtggggcg gcgtggacca cgccccggcg 69060

gggttcaacc ccaccgtcac cgtctttcac gtgtacgaca tcctggagaa cgtggagcac 69120

gcgtacggca tgcgcgcggc ccagttccac gcgcggttta tggacgccat cacaccgacg 69180

gggaccgtca tcacgctcct gggcctgact ccggaaggcc accgggtggc cgttcacgtt 69240

tacggcacgc ggcagtactt ttacatgaac aaggaggagg tcgacaggca cctacaatgc 69300

cgcgccccac gagatctctg cgagcgcatg gccgcggccc tgcgcgagtc cccgggcgcg 69360

tcgttccgcg gcatttccgc ggaccacttc gaggcggagg tggtggagcg caccgacgtg 69420

tactactacg agacgcgccc cgctctgttt taccgcgtct acgtccgaag cgggcgcgtg 69480

ctgtcgtacc tgtgcgacaa cttctgcccg gccatcaaga agtacgaggg tggggtcgac 69540

gccaccaccc ggttcatcct ggacaacccc gggttcgtca ccttcggctg gtaccgtctc 69600

aaaccgggcc ggaacaacac gctagcccag ccgcgggccc cgatggcctt cgggacatcc 69660

agcgacgtcg agtttaactg tacggcggac aacctggcca tcgaggggggg catgagcgac 69720

ctaccggcat acaagctcat gtgcttcgat atcgaatgca aggcgggggg ggaggacgag 69780

ctggcctttc cggtggccgg gcacccggag gacctggtca tccagatatc ctgtctgctc 69840

tacgacctgt ccaccaccgc cctggagcac gtcctcctgt tttcgctcgg ttcctgcgac 69900

ctccccgaat cccacctgaa cgagctggcg gccaggggcc tgcccacgcc cgtggttctg 69960

gaattcgaca gcgaattcga gatgctgttg gccttcatga cccttgtgaa acagtacggc 70020

cccgagttcg tgaccgggta caacatcatc aacttcgact ggcccttctt gctggccaag 70080

ctgacggaca tttacaaggt ccccctggac gggtacggcc gcatgaacgg ccggggcgtg 70140

tttcgcgtgt gggacatagg ccagagccac ttccagaagc gcagcaagat aaaggtgaac 70200

ggcatggtga acatcgacat gtacgggatt ataaccgaca agatcaagct ctcgagctac 70260

aagctcaacg ccgtggccga agccgtcctg aaggacaaga agaaggacct gagctatcgc 70320

gacatccccg cctactacgc cgccgggccc gcgcaacgcg gggtgatcgg cgagtactgc 70380

atacaggatt ccctgctggt gggccagctg ttttttaagt ttttgcccca tctggagctc 70440

tcggccgtcg cgcgcttggc gggtattaac atcacccgca ccatctacga cggccagcag 70500

atccgcgtct ttacgtgcct gctgcgcctg gccgaccaga agggctttat tctgccggac 70560

acccaggggc gatttagggg cgccgggggg gaggcgccca agcgtccggc cgcagcccgg 70620

gaggacgagg agcggccaga ggaggagggg gaggacgagg acgaacgcga ggagggcggg 70680

ggcgagcggg agccggaggg cgcgcgggag accgccggcc ggcacgtggg gtaccagggg 70740

gccagggtcc ttgaccccac ttccgggttt catgtgaacc ccgtggtggt gttcgacttt 70800

gccagcctgt accccagcat catccaggcc cacaacctgt gcttcagcac gctctccctg 70860

agggccgacg cagtggcgca cctggaggcg ggcaaggact acctggagat cgaggtgggg 70920

gggcgacggc tgttcttcgt caaggctcac gtgcgagaga gcctcctcag catcctcctg 70980

cgggactggc tcgccatgcg aaagcagatc cgctcgcgga ttccccagag cagccccgag 71040

gaggccgtgc tcctggacaa gcagcaggcc gccatcaagg tcgtgtgtaa ctcggtttac 71100

gggttcacgg gagtgcagca cggactcctg ccgtgcctgc acgttgccgc gacggtgacg 71160

accatcggcc gcgagatgct gctcgcgacc cgcgagtacg tccacgcgcg ctgggcggcc 71220

ttcgaacagc tcctggccga tttcccggag gcggccgaca tgcgcgcccc cgggccctat 71280

tccatgcgca tcatctacgg ggacacggac tccatctttg tgctgtgccg cggcctcacg 71340

gccgccgggc tgacggccgt gggcgacaag atggcgagcc acatctcgcg cgcgctgttt 71400

ctgtccccca tcaaactcga gtgcgaaaag acgttcacca agctgctgct gatcgccaag 71460

aaaaagtaca tcggcgtcat ctacgggggt aagatgctca tcaagggcgt ggatctggtg 71520

cgcaaaaaca actgcgcgtt tatcaaccgc acctccaggg ccctggtcga cctgctgttt 71580

tacgacgata ccgtatccgg agcggccgcc gcgttagccg agcgccccgc agaggagtgg 71640

ctggcgcgac ccctgcccga gggactgcag gcgttcgggg ccgtcctcgt agacgcccat 71700

cggcgcatca ccgacccgga gagggacatc caggactttg tcctcaccgc cgaactgagc 71760

agacacccgc gcgcgtacac caacaagcgc ctggcccacc tgacggtgta ttacaagctc 71820

atggcccgcc gcgcgcaggt cccgtccatc aaggaccgga tcccgtacgt gatcgtggcc 71880

cagacccgcg aggtagagga gacggtcgcg cggctggccg ccctccgcga gctcgacgcc 71940

gccgccccag gggacgagcc cgccccccc gcggccctgc cctccccggc caagcgcccc 72000

cgggagacgc cgttgcatgc cgacccccg ggaggcgcgt ccaagccccg caagctgctg 72060

gtgtccgagc tggccgagga tcccgcatac gccattgccc acggcgtcgc cctgaacacg 72120

gactattact tctcccacct gttgggggcg gcgtgcgtga cattcaaggc cctgtttggg 72180

aataacgcca agatcaccga gagtctgtta aaaaggttta ttcccgaagt gtggcacccc 72240

ccggacgacg tggccgcgcg gctccgggcc gcagggttcg gggcggtggg tgccggcgct 72300

acggcggagg aaactcgtcg aatgttgcat agagcctttg atactctagc atgagccccc 72360

cgtcgaagct gatgtccctc attttacaat aaatgtctgc ggccgacacg gtcggaatct 72420

ccgcgtccgt gggtttctct gcgttgcgcc ggaccacgag cacaaacgtg ctctgccaca 72480

cgtgggcgac gaaccggtac cccgggcacg cggtgagcat ccggtctatg agccggtagt 72540

gcaggtgggc ggacgtgccg ggaaagatga cgtacagcat gtggcccccg taagtggggt 72600

ccgggtaaaa caacagccgc gggtcgcacg ccccgcctcc gcgcaggatc gtgtggacga 72660

aaaaaagctc gggttggcca agaatcccgg ccaagaggtc ctggaggggg gcgttgtggc 72720

ggtcggccaa cacgaccaag gaggccagga aggcgcgatg ctcgaatatc gtgttgatct 72780

gctgcacgaa ggccaggatt agggcctcgc ggctggtggc ggcgaaccgc ccgtctcccg 72840

cgttgcacgc gggacagcaa cccccgatgc ctaggtagta gcccatcccg gagagggtca 72900

ggcagttgtc ggccacggtc tggtccagac agaagggcag cgagacggga gtggtcttca 72960

ccaggggcac cgagagcgag cgcacgatgg cgatctcctc ggagggcgtc tgggcgaggg 73020

cggcgaaaag gccccgatag cgctggcgct cgtgtaaaca cagctcctgt ttgcgggcgt 73080

gaggcggcag gctcttccgg gaggcccgac gcaccacgcc cagagtcccg ccggccgcag 73140

aggagcgcga ccgccggcgc tccttgccgt gatagggccc gggccgggag ccgcggcgat 73200

gggggtcggt gtcatacata ggtacacagg gtgtgctcca gggacaggag cgagatcgag 73260

tggcgtctaa gcagcgcgcc cgcctcacgg acaaatgtgg cgagcgcggt gggctttggt 73320

acaaatacct gatacgtctt gaaggtgtag atgagggcac gcaacgctat gcagacacgc 73380

ccctcgaact cgttcccgca ggccagcttg gccttgtgga gcagcagctc gtcgggatgg 73440

gtggcggggg gatggccgaa cagaacccag gggtcaacct ccatctccgt aatggcgcac 73500

atggggtcac agaacatgtg cttaaagatg gcctcgggcc ccgcggcccg aagcaggctc 73560

acaaaccggc ccccgtcccc gggctgcgtc tcggggtcag cctcgagctg gtcgacgacg 73620

ggtacgatac agtcgaagag gctcgtgttg ttttccgagt agcggaccac ggaggcccgg 73680

agtctgcgca gggccagcca gtaagcacgc accagtaaca ggttacacag caggcattct 73740

ccgccggtgc gcccgcgccc ccggccgtgt ttcagcacgg tggccatcag agggcccagg 73800

tcgaggtcgg gctgggcatc gggttcggta aactgcgcaa agcgcggagc cacgtcgcgc 73860

gtgcgtgccc cgcgatgcgc ttcccaggac tggcggaccg tggcgcgacg ggcctccgcg 73920

gcagcgcgca gctggggccc cgactcccag acggcggggg tgccggcgag gagcagcagg 73980

accagatccg cgtacgccca cgtatccggc gactcctccg gctcgcggtc cccggcgacc 74040

gtctcgaatt ccccgttgcg agcggcggcg cgcgtacagc agctgtcccc gcccccgcgc 74100

cgaccctccg tgcagtccag gagacgggcg caatccttcc agttcatcag cgcggtggtg 74160

agcgacggct gcgtgccgga tcccgccgac cccgcccccc cctcgccccc ggaggccaag 74220

gttccgatga gggcccgggt ggcagactgc gccaggaacg agtagttgga gtactgcacc 74280

ttggcggctc ccggggaggg cgagggcttg ggttgcttct gggcatgccg cccgggcacc 74340

ccgccgtcgg tacggaagca gcagtggaga aaaaagtgcc ggtggatgtc gtttatggtg 74400

agggcaaagc gtgcgaagga gccgaccagg gtcgccttct tggtgcgcag aaagtggcgg 74460

tccatgacgt acacaaactc gaacgcggcc acgaagatgc tagcggcgca gtggggcgcc 74520

cccaggcatt tggcacagag aaacgcgtaa tcggccaccc actgaggcga gaggcggtag 74580

gtttgcttgt acagctcgat ggtgcggcag accagacagg gccggtccag cgcgaaggtg 74640

tcgatggccg ccgcggaaaa gggcccggtg tccaaaagcc cctccccaca gggatccggg 74700

ggcgggttgc ggggtcctcc gcgcccgccc gaacccccctc cgtcgcccgc ccccccgcgg 74760

gcccttgagg gggcggtgac cacgtcggcg gcgacgtcct cgtcgagcgt accgacgggc 74820

ggcacaccta tcacgtgact ggccgtcagg agctcggcgc agagagcctc gttaagagcc 74880

aggaggctgg gatcgaaggc cacatacgcg cgctcgaacg cccccgcctt ccagctgctg 74940

ccgggggact cttcgcacac cgcgacgctc gccaggaccc cgggggggcga agttgccatg 75000

gctgggcggg aggggcgcac gcgccagcga actttacggg acacaatccc cgactgcgcg 75060

ctgcggtccc agaccctgga gagtctagac gcgcgctacg tctcgcgaga cggcgcgcat 75120

gacgcggccg tctggttcga ggatatgacc cccgccgagc tggaggttgt cttcccgact 75180

acggacgcca agctgaacta cctgtcgcgg acgcagcggc tggcctccct cctgacgtac 75240

gccgggccta taaaagcgcc cgacgacgcc gccgccccgc agaccccgga caccgcgtgt 75300

gtgcacggcg agctgctcgc ccgcaagcgg gaaagattcg cggcggtcat taaccggttc 75360

ctggacctgc accagattct gcggggctga cgcgcgtgct gttgggcggg acggttcgcg 75420

aacccttttgg tgggtttacg cgggcacgca cgctcccatc gcgggcgcca tggcgggact 75480

gggcaagccc tacaccggcc acccaggtga cgccttcgag ggtctcgttc agcgaattcg 75540

gcttatcgtc ccatctacgt tgcggggcgg ggacggggag gcgggcccct actctccctc 75600

cagcctcccc tccaggtgcg cctttcagtt tcatggccat gacgggtccg acgagtcgtt 75660

tcccatcgag tatgtactgc ggcttatgaa cgactgggcc gaggtcccgt gcaaccctta 75720

cctgcgcata cagaacaccg gcgtgtcggt gctgtttcag gggtttttc atcgcccaca 75780

caacgccccc gggggcgcga ttacgccaga gcggaccaat gtgatcctgg ggtccaccga 75840

gacgacgggg ttgtccctcg gcgacctgga caccatcaag gggcggctcg gcctggatgc 75900

ccggccgatg atggccagca tgtggatcag ctgctttgtg cgcatgcccc gcgtgcagct 75960

cgcgtttcgg ttcatgggcc ccgaagatgc cggacggacg agacggatcc tgtgccgcgc 76020

cgccgagcag gctattaccc gtcgccgccg aacccggcgg tcccgggagg cgtacggggc 76080

cgaggccggg ctgggggtgg ccggaacggg tttccgggcc agggggggacg gttttggccc 76140

gctccccttg ttaacccaag ggccctcccg cccgtggcac caggccctgc ggggtcttaa 76200

gcacctacgg attggccccc ccgcgctcgt tttggcggcg ggactcgtcc tgggggccgc 76260

tatttggtgg gtggttggtg ctggcgcgcg cctataaaaa aggacgcacc gccgccctaa 76320

tcgccagtgc gttccggacg ccttcgcccc acacagccct cccgaccgac acccccatat 76380

cgcttcccga cctccggtcc cgatggccgt cccgcaattt caccgcccca gcaccgttac 76440

caccgatagc gtccgggcgc ttggcatgcg cgggctcgtc ttggccacca ataactctca 76500

gtttatcatg gataacaacc acccacaccc ccagggcacc caaggggccg tgcgggagtt 76560

tctccgcggt caggcggcgg cactgacgga ccttggtctg gcccacgcaa acaacacgtt 76620

taccccgcag cctatgttcg cgggcgacgc accggccgcc tggttgcggc ccgcgtttgg 76680

cctgcggcgc acctattcac cttttgtcgt tcgagaacct tcgacgcccg ggaccccgtg 76740

aggcccaggg agttccttct ggggtgtttt aatcaataaa agaccacacc aacgcacgag 76800

ccttgcgttt aatgtcgtgt ttattcaagg gagtgggata gggttcgacg gttcgaaact 76860

taacacacca aataatcgag cgcgtctagc ccagtaacat gcgcacgtga tgtaggctgg 76920

tcagcacggc gtcgctgtga tgaagcagcg cccggcgggt ccgctgtaac tgctgttgta 76980

ggcggtaaca ggcgcggatc agcaccgcca gggcgctacg accggtgcgt tgcacgtagc 77040

gtcgcgacag aactgcgttt gccgatacgg gcgggggggcc gaattgtaag cgcgtcacct 77100

cttgggagtc atcggcggat aacgcactga atggttcgtt ggttatgggg gagtgtggtt 77160

ccccagggag tgggtcgagc gcctcggcct cggaatccga gaggaacaac gaggtggcgt 77220

cggagtcttc gtcgtcagag acatacaggg tctgaagcag cgacacgggc ggggggggtag 77280

cgtcgatgtg tagcgcgagg gaggatgccc acgaagacac cccagacaag gagctgcccg 77340

tgcgtggatt tgtggaagac gcggaagccg ggacggatgg gcggttttgc ggtgcccgga 77400

accgaaccgc cggatactcc ccgggtgcta catgcccgtt ttggggctgg ggttggggct 77460

ggggttgggg ctggggttgg ggctggggtt ggggctgggg ttggggctgg ggttggggtt 77520

ggggttgggg ctggggttgg ggttggggct ggggctgggg ctggggctgg ggctggggct 77580

ggggctgggg ctggggctgg ggctggggct ggggctgggg ctggggctgg ggctggggct 77640

ggggttgggg cgcggacagg cggctgacgg tcaaatgccc ccgggggcgc gcagatgtgg 77700

tgggcgtggc caccggctgc cgtgtagtgg ggcggcggga aaccgggcct ccgggcgtaa 77760

caccgccctc cagcgtcaag tatgtggggg gcgggcctga cgtcgggggc ggggtgacgg 77820

gttggaccgc gggaggcggg ggagagggac ctgcgggaga ggatgaggtc ggctcggccg 77880

ggttgcggcc taaaacaggg gccgtggggt cggcggggtc ccagggtgaa gggagggatt 77940

cccgcgattc ggacagcgac gcgacagcgg ggcgcgtaag gcgccgctgc ggcccgccta 78000

cgggaaccct gggggggggtt ggcgcgggac ccgaggttag cgggggggcgg cggttttcgc 78060

ccccgggcaa aaccgtgccg gttgcgaccg ggggcggaac gggatcgata gggagagcgg 78120

gagaagcctg gccggcggac tggggaccga gcgggagggg cacaccagac accaaagcgt 78180

ggggcgctgg ctctgggggt ttgggagggg ccgggggggcg cgcgaaatcg gtaaccgggg 78240

cgaccgtgtc ggggagggca ggcggccgcc aaccctgggt ggtcgcggaa gcctgggtgg 78300

cgcgcgccag ggagcgtgcc cggcggtgtc ggcgcgcgcg cgacccggac gaagaagcgg 78360

tagaagcgcg ggaggaggcg ggggggcggg gggcggtggc atcgggggggc gccggggaac 78420

tttgggggga cggcaagcgc cggaagtcgt cgcgggggcc cacgggcgcc ggccgcgtgc 78480

tttcggccgg gacgcccggt cgtgcttcgc gagccgtgac tgccggccca gggggccgcg 78540

gtgcacactg ggacgtgggg acggactgat cggcggtggg cgaaaggggg tccggggcaa 78600

ggaggggcgc ggggccgccg gagtcgtcag acgcgagctc ctccaggccg tgaatccatg 78660

cccacatgcg agggggggacg ggctcgccgg gggtggcgtc ggtgaatagc gtgggggcca 78720

ggcttccggg ccccaacgag ccctccgccc caacaaggtc cgccgggccg ggggtcgggt 78780

tcgggaccga ggggctctgg tcgtcggggg cgcgctggta caccggatgc cccgggaata 78840

gctcccccga caggagggag gcgtcgaacg gccgcccgag gatagctcgc gcgaggaagg 78900

ggtcctcgtc ggtggcgctc gcggcgagga cgtcctcgcc gcccgccaca aacgggagct 78960

cctcggtggc ctcgctgcca acaaaccgca tgtcgggggg gccgggggggg tccgggtttt 79020

cccacaacac cgcgaccggg gtcatggaga tgtccacgag caccaggcac ggcgggcccc 79080

gggcgagggg ccgctcggcg atgagcgcgg acaggcgcgg gagctgtgcc gccagacacg 79140

cgttttcgat cgggttaagg tcggcgtgca ggaggcggac ggcccacgtc tcgatgtcgg 79200

acgacacggc atcgcgcaag gcggcgtccg gcccgcgagc gcgtgagtca aacagcgtga 79260

ggcacagctc cagttccgac tcgcgggaaa aggccgtggt gttgcggagc gccacgacga 79320

cgggcgcgcc caggagcact gccgccagca ccaggtccat ggccgtaacg cgcgccgcgg 79380

gggtgcggtg ggtggcggcg gccggcacgg cgacgtgctg gcccgtgggc cggtagaggg 79440

cgttgggggg agcggggggt gacgcctcgc gccccccga ggggctcagc gtctgcccag 79500

attccagacg cgcggtcaga agggcgtcga aactgtcata ctctgtgtag tcgtccggaa 79560

acatgcaggt ccaaagagcg gccagcgcgg tgcttgggag acacatgcgc ccgaggacgc 79620

tcaccgccgc cagcgcctgg gcgggactca gctttcccag cgcggcgccg cgctcggttc 79680

ccagctcggg gaccgagcgc cagggcgcca gggggtcggt ttcggacaac ttgccgcggc 79740

gccagtctgc cagccgcgtg ccgaacatga ggccccgggt cggagggcct ccggccgaaa 79800

acgctggcag cacgcggatg cgggcgtctg gatgcggggt caggcgctgc acgaatagca 79860

tggaatctgc tgcgttctga aacgcacggg ggagggtgag atgcatgtac tcgtgttggc 79920

ggaccagatc caggcgccaa aaggtgtaaa tgtgttccgg ggagctggcc accagcgcca 79980

ccagcacgtc gttctcgtta aaggaaacgc ggtgcctagt ggagctctgg ggtccgagcg 80040

gcggccccgg ggccgccgcg tcaccccccc attccagctg ggcccagcga cacccaaact 80100

cgcgcgtgag agtggtcgcg acgagggcga cgtagagctc ggccgccgca tccatcgagg 80160

ccccccatct cgcctggcgg tggcgcacaa agcgtccgaa gagctgaaag ttggcggcct 80220

gggcgtcgct gagggccagc tgaagccggt tgatgacggt gaggacgtac atggccgtga 80280

cggtcgaggc cgactccagg gtgtccgtcg gaagcggggg gcgaatgcat gccgcctcgg 80340

gacacatcag cagcgcgccg agcttgtcgg tcacggccgg gaagcagagc gcgtactgca 80400

gtggcgttcc atccgggacc aaaaagctgg gggcgaacgg cctatccagc gtactggtgg 80460

cctcgcgcag caccaggggc cccgggcctc cgctcactcg caggtacgcc tcgccccggc 80520

ggcgcagcat ctgcgggtcg gcctcttggc cgggtggggc ggacgcccgg gcgcgggcgt 80580

ctagggcgcg aagatccacg agcaggggcg cgggcgcggc cgccgcgccc gcgcccgtct 80640

ggcctgtggc cttggcgtac gcgctatata agcccatgcg gcgttggatg agctcccgcg 80700

cgccccggaa ctcctccacc gcccatgggg ccaggtcccc ggccaccgcg tccaattccg 80760

ccaacaggcc ccccagggtg tcaaagttca tctcccaggc cacccttggc accacctcgt 80820

cccgcagccg ggcgctcagg tcggcgtgtt gggccacgcg ccccccgagc tcctccacgg 80880

ccccggcccg ctcggcgctc ttggcgccca ggacgccctg gtacttggcg ggaaggcgct 80940

cgtagtcccg ctgggctcgc agccccgaca cagtgttggt ggtgtcctgc agggcgcgaa 81000

gctgctcgca tgccgcgcga aatccctcgg gcgatttcca ggcccccccg cgaacgcggc 81060

cgaagcgacc ccatacctcg tcccactccg cctcggcctc ctcgaaagac ctccgcaggg 81120

cctcgacgcg gcgacgggtg tcgaagagcg actgcaggcg cgcgccctgt cgcgtcagga 81180

ggcccgggcc gtcgccgctg gccgcgctta gcgggtgcgt ctcaaaggtg cgctgggcat 81240

gttccaacca ggcgaccgcc tgcacgtcga gctcgcgcgc cttctccgtc tggtccaaca 81300

gaatctcgac ctgatccgcg atctcctccg ccgagcgcgc ctggtccagc gtcttggcca 81360

cggtcgccgg gacggcaacc accttcagca gggtcttcag attggccaga ccctcggcct 81420

cgagctgggc ccggcgctcg cgcgcggcca gcacctcccg caaccccgcc gtgacccgct 81480

cggtggcttc ggcgcgctgc tgtttggcgc gcaccacggc gtccttggta tcggccaggt 81540

cctgtcgggt cacgaatgcg acgtagtcgg cgtacgccgt gtccttcacg gggctctggt 81600

ccacgcgctc cagcgccgcc acacacgcca ccagcgcgtc ctcgctcggg cagggcaggg 81660

tgacccctgc ccggacaagc tcggcggccg ccgccgggtc gttgcgcacc gcggatatct 81720

cctccgcggc ggcggccagg tccagcgcca cgcttccgat cgcgcgccgc gcgtcggccc 81780

ggagggcgtc caggcgatcg cggatatcca cgtactcggc gtagcccttt tgaaaaaacg 81840

gcacgtactg gcgcagggcc ggcacgcccc ccaagtcttc cgacaggtgt aggacggcct 81900

cgtggtagtc gataaacccg tcgttcgcct gggcccgctc cagcagcccc cccgcgagcc 81960

gcagaagccg cgccaggggc tcggtgtcca cccgaaacat gtcggcgtac gtgtcggccg 82020

cggccccgaa ggccgcgctc cagtcgatgc ggtgaatggc tgcgagcggg gggagcatgg 82080

ggtggcgctg gttctcgggg gtgtatgggt taaacgcaag ggccgtctcc agggcaaggg 82140

tcaccgcctt ggcgttggtt cccagcgcct gctcggcccg ctttcggaag tcccgggggt 82200

tgtagccgtg cgtgcccgcc agcgcctgca ggcgacggag ctcgaccacg tcaaactcgg 82260

caccgctttc cacgcggtcc agcacggcct ccacgtcggc ggcccagcgc tcgtggctac 82320

tgcgggcgcg ctgggccgcc atcttctctc tgaggtcggc ggtggcggcc tcaagttcgt 82380

cggcgcggcg tcgcgtggcg ccgatgacct ttcccagctc ctgcagggcg cgcccgctgg 82440

gggagtggtc cccggccgtc ccttcggcgt gcaacaggcc cccgaacctg ccctcgtggc 82500

ccgcgaggct ttcccgcgcg ccggtggtcg cgcgcgtcgc ggcctggatc agggaggcat 82560

gctctccctc cggttggttg gcggcccggc gcacctggac gacaaggtcg gcggcagccg 82620

accctaaggt cgtgagctgg gcgatggccc cccgcgcgtc cagggccaac cgagtcgcct 82680

tgacgtatcc cgcggcgctg tcggccatgg ccgctaggaa ggccaggggg gaggccgggt 82740

cgctggcggc cgcgcccagg gccgtcactg cgtcgaccag gacgcggtgc gcccgcacgg 82800

ccgcatccac cgtcgacgcg gggtctgccg tcgcgacggc ggcgctgccg gcgttgatgg 82860

cgttcgagac ggcgtgggct atgatcgggg cgtgatcggc gaagaactgc aagagaaacg 82920

gagtctcggg ggcgttggcg aacaggttct tcagcaccac cacgaagctg ggatgcaagc 82980

cggacagagc cgtcgccgtg tccggagtcg ggtgctccag ggcatctcgg tactgcccca 83040

gcagccccca catgtccgcc cgcagcgccg ccgtaacctc cgggggcgcc ccccgaacgg 83100

cctcggggag gtccgaccag cccgccggca gggaggcccg cagggtcgtc aggacggccg 83160

gacaggcctt tagccccaca aagtcaggga ggggccgcag gacccccctgg agtttgtgca 83220

agaacttctc ccgggcgtcg cgggccacct tcgcccgctc ccgcgctccc tcgagcattg 83280

cctccaggga gcgcgcgcgc tcccgcaaac gggcacgcgc atcgggggcg agctctgccg 83340

tcagcttggc ggcatccatg gcccgcgcct gccgcagcgc ttcctcggcc atgcgcgtgg 83400

cctctggcga cagcccgccg tcgtcggggt agggcgacgc gccgggcgca ggaacaaagg 83460

ccgcgtcgct gtccagctgc tggcccaggg ccgcatctag ggcgtcgaag cgccgcagct 83520

cggccagacc cgagctgcgg cgcgcctgct ggtcgttaat gtcgcggatg ctgcgcgcca 83580

gctcgtccag cggcttgcgt tctatcagcc cttggttggc ggcgtccgtc aggacggaga 83640

gccaggccgc caggtcctcg ggggcgtcca gcgtctggcc ccgctgtatc agatcccgca 83700

acaggatggc cgtggggctg gtcgcgatcg ggggcggggc gggaatggcg gcgctctgcg 83760

cgatgtcccg cgtgtgctgg tcgaagacag gcagggactc tagcagctgg accacgggca 83820

cgacggcggc cgaagccacg tgaaaccggc ggtcgttgtt gtcgctggcc tgcagagcct 83880

tggcgctgta tacggccccc cggtaaaagt actccttaac cgcgccctcg atcgcccgac 83940

gggcctgggt ccgcacctcc tccagccgaa cctgaacggc ctcggggccc agggggggtg 84000

ggcgcggagc cccctgcggg gccgccccgg ccggggcggg cattacgccg aggggcccgg 84060

cgtgctgtga gaccgcgtcg accccgcgag cgagggcgtc gagggcctcg cgcatctggc 84120

gatcctccgc ctccacccta atctcttcgc cacgggcaaa tttggccaga gcctggactc 84180

tatacagaag cggttctggg tgcgtcgggg tggcgggggc aaaaagggtg tccgggtggg 84240

cctgcgagcg ctccagaagc cactcgccga ggcgtgtata cagattggcc ggcggggccg 84300

cgcgaagctg cagctccagg tccgcgagtt ccccgtaaaa ggcgtccgtc tcccgaatga 84360

catccctagc cacaaggatc agcttcgcca gcgccaggcg accgatcaga gagttttcgt 84420

ccagcacgtg ctggacgagg ggcagatggg cggccacgtc ggccaggctc aggcgcgtgg 84480

aggccagaaa gtcccccacg gccgttttcc ggggcagcat gctcagggta aactccagca 84540

gggcggcggc cgggccggcc accccggcct gggtgtgcgt ccgggccccg ttctcgatga 84600

gaaaggcgag gacgcgttca aagaaaaaaa taacacagag ctccagcagc cccggagaag 84660

ccggatacgg cgaccgtaag gcgctgatgg tgagccgcga acacgcggcg acctcgcggg 84720

ccagggcggc ggagcacgcg gtgaacttaa ccgccgtggc ggccacgttt gggtgggcct 84780

cgaacagctg ggcaaggtct gcgcccgggg gctcgggtga gcggcgagtc ttcagcgcct 84840

cgagggcctg cgaggacgcc ggaaccgtgg gcccgtcgtc ctcgcccgcc tcggcgaccg 84900

gcggcccggc cgggtcgggg ggtgccgagg cgaggacagg ctccggaacg gaggcgggga 84960

ccgcggcccc gacgggggtt ttgcctttgg gggtggattt cttcttggtt ttggcagggg 85020

gggccgagcg tttcgttttc tcccccgaag tcaggtcttc gacgctggaa ggcggagtcc 85080

aggtgggtcg gcggcgcttg ggaaggccgg ccgagtagcg tgcccggtgc cgaccaaccg 85140

ggacgacgcc catctccagg acccgcatgt cgtcgtcatc ttcttcggcc gcctctgcgg 85200

cgggggggctt gggggcggag ggaggcggtg gtgggatcgc ggagggtggg tcggcggagg 85260

ggggatccgt gggtggggta cccttcaggg ccaccgccca tacatcgtcg ggcgcccgat 85320

tcgggcgctt ggcctctggt tttgccgacg gaccggccgt cccccgggat gtctcggagg 85380

ccctgtcgtc gcgacgggcc cgggtcggtg gcggcgactg ggcggctgtg ggcgggtggg 85440

gccccgtgcc ccctaccccc tcccgggggc ccacgccgac gcagggctcc cccaggcccg 85500

cgatctcgcc ccgcaggggg tgcgtgatgg ccacgcgccg ttcgctgaac gcttcgtcct 85560

gcaggtaagt ctcgctggcc ccgtaaagat gcagagccgc ggccgtcaag tccgcaggag 85620

ccgcgggttc cgggcccgac ggcacgaaaa acaccatggc tcccgcccac cgtacgtccg 85680

ggcgatcgcg ggtgtaatac gtcaggtatg gatacatgtc ccccgcccgc actttggcga 85740

tgaacgcggg ggtgccctcc ggaaggccgt gcgggtcaaa aaggtatgcg gtgtcgccgt 85800

ccctgaacag ccccatccct agggggccaa tggttaggag cgtgtacgac agggggcgca 85860

gggcccacgg gccggcgaag aacgtgtgtg cggggcattg tgtctccagc aggcccgccg 85920

cgggctcccc gaagaagccc acctcgccgt atacgcgcga gaagacacag cgcagtccgc 85980

cgcgcgcccc tgggtactcg aggaagttgg ggagctcgac gatcgaacac atgcgcggcg 86040

gcccagggcc cgcggtcgcg cgcgtccact cgccccctc gaccaaacaa ccctcgatgg 86100

cctccgcgga cagaacgtcg cgagggccca catcaaatat gaggctgaga aaggacagcg 86160

acgagcgcat gcacgatacc gacccccccg gctccaggtc gggcgcgaac tggttccgag 86220

caccggtgac cacgatgtcg cgatcccccc cgcgttccat cgtggagtgc ggtggggtgc 86280

ccgcgatcat atgtgcccta ctggccagag acccggcctg tttatggacc ggacccccgg 86340

ggttagtgtt gtttccgcca cccatgcccc cgtaccatgg ccccggttcc cctgattagg 86400

ctacgagtcg cggtgatcgc ttcccaaaaa ccgagctgcg tttgtctgtc ttgatctttc 86460

ccccccccgc ccgcccgccc gcccgcacac cataacaccg agaacaacac acgggggtgg 86520

gcgtaacata ataaagcttt attggtaact agttaacggc aagtccgtgg gtggcgcgac 86580

ggtgtcctcc gggctcatct cgtcgtcctc gacgggggtg ttggaatgag gcgccccctc 86640

gcggtccgcc tggcgtgggc cgtgcccata ggcctccggc ttctgtgcgt ccatgggcat 86700

aggcgcgggg agactgtttc cggcgtcgcg gacctccagg tccctgggag actccggtcc 86760

ggctaacgga cgaaacgcgg aagcgcgaaa cacgccgtcg gtgacccgca ggagctcgtt 86820

catcagtaac caatccatac tcagcgtaac ggccagcccc tggcgagaca gatccacgga 86880

gtccggaacc gcggtcgtct ggcccagggg gccgaggctg tagtcccccc aggcccctag 86940

gtcgcgacgg ctcgtaagca cgacgcggtc ggccgcgggg ctttgcgggg gggcgtcctc 87000

gggcgcatgc gccattacct ctcggatggc cgcggcgcgc tggtcggccg agctgaccaa 87060

gggcgccacg accacggcgc gctccgtctg caggcccttc cacgtgtcgt ggagttcctg 87120

gacaaactcg gccacgggct cgggtcccgc ggccgcgcgc gcggcttgat agcaggccga 87180

gagacgccgc cagcgcgcta gaaactgacc catgaagcaa aacccgggga cctggtctcc 87240

cgacagcagc ttcgacgccc gggcgtgaat gccggacacg acggacagaa acccgtgaat 87300

ttcgcgccgg accacggcca gcacgttgtc ctcgtgcgac acctgggccg ccagctcgtc 87360

gcacaccccc aggtgcgccg tggtttcggt gatgacggaa cgcaggctcg cgagggacgc 87420

gaccagcgcg cgcttggcgt cgtgatacat gctgcagtac tgactcaccg cgtcccccat 87480

ggcctcgggg ggccagggcc ccaggcggtc gggcgtgtcc ccgaccaccg catacaggcg 87540

gcgcccgtcg ctctcgaacc gacactcgaa aaaggcggag agcgtgcgca tgtgcagccg 87600

cagcagcacg atggcgtcct ccagttggcg aatcaggggg tctgcgcgct cggcgaggtc 87660

ctgcagcacc ccccgggcgg ccagggcgta catgctaatc aacaggaggc tggtgcccac 87720

ctcggggggc gggggggget gcagctggac caggggccgc agctgctcga cggcacccct 87780

ggagatcacg tacagctccc ggagcagctg ctctatgttg tcggccatct gcatagtggg 87840

gccgaggccg ccccgggcgg ccggttcgag gagggtaatc agcgcgccca gtttggtgcg 87900

atggccctcg accgtgggga gatagcccag cccaaagtcc cgggcccagg ccaacacacg 87960

cagggcgaac tcgaccgggc gtggaaggta ggccgcgcta cacgtggccc tcaacgcgtc 88020

cccgaccacc agggccagaa cgtaggggac gaagcccggg tcggcgagga cgttggggtg 88080

aatgccctcg agggcgggga agcggatctg ggtcgccgcg gccaggtgga cagaggggc 88140

gtggctgggc tgcccgacgg ggagaagcgc ggacagcggc gtggccgggg tggtgggggt 88200

gatgtcccag tgggtctgac catacacgtc gatccagatg agcgccgtct cgcggagaag 88260

gctgggttga ccggaactaa agcggcgctc ggccgtctca aactccccca cgagcgcccg 88320

ccgcaggctc gccagatgtt ccgtcggcac ggccggaccc atgatacgcg ccagcgtctg 88380

gctcagaacg ccccccgaca ggccgaccgc ctcgcagagc cgcccgtgcg tgtgctcgct 88440

ggcgccctgg acccgcctga aagtttttac gtagttggca tagtacccgt attcccgcgc 88500

cagaccaaac acgttcgacc ccgcgagggc aatgcaccca aagagctgct ggacttcgcc 88560

gagtccgtgg ccggcgggcg tccgcgcggg gacgcccgcc gccagaaacc cctccagggc 88620

cgaaaggtag tgcgtgcagt gcgagggcgt gaacccagcg tcgatcaggg tgttgatcac 88680

cacggagggc gaattggtat tctggatcaa cgtccacgtc tgctgcagca gagccagcag 88740

ccgctgctgg gcgccggcgg agggctgctc cccgagctgc agcaggctgg agacggcagg 88800

ctggaagact gccagtgccg acgaactcag gaacggcacg tcgggatcaa acacggccac 88860

gtccgtccgc acgcgcgcca ttagcgtccc cgggggcgca caggccgagc gcgggctgac 88920

gcggctgagg gccgtcgaca cgcgcacctc ctcgcggctg cgaaccatct tgttggcctc 88980

cagtggcgga atcattatgg ccgggtcgat ctcccgcacg gtgtgctgaa actgcgccaa 89040

caggggcggc gggaccacag ccccccgctc gggggtcgtc aggtactcgt ccaccagggc 89100

caacgtaaag agggcccgtg tgaggggagt gagggtcgcg tcgtctatgc gctggaggtg 89160

cgccgagaac agcgtcaccc gattactcac cagggccaag aaccggaggc cctcttgcac 89220

gaacggggcg gggaagagca ggctgtacgc cggggtggta aggttcgcgc tgggctgccc 89280

caacgggacc ggcgccatct tgagcgacgt ctccccaagg gcctcgatgg aggtccgcgg 89340

gctcatggcc aagcagctct tggtgacggt ttgccagcgg tctatccact ccacggcgca 89400

ctggcggacg cggaccggcc ccagggccgc cgcggtgcgc aggccggcgg aatccagcgc 89460

atgggacgtg tcggagccgg tgaccgcgag gatggtgtcc ttgatgacct ccatctcccg 89520

gaaggcctgg tcgggggcct cggggagagc caccaccaag cggtgtacga gcaacccggg 89580

gaggttctcg gccaagagcg ccgtctccgg aagcccgtgg gcccggtgga gcgcgcacag 89640

gtgttccagc agcggccgcc agcatgcccg cgcgtctgcc ggggcgatgg ccgttcccga 89700

caacagaaac gccgccatgg cggcgcgcag cttggccgtg gccagaaacg ccgggtcgtc 89760

cgccccgttt gccgtctcgg ccgtgggggt tggcggttgg cgaaggccgg ctaggctcgc 89820

caataggcgc tgcataggtc cgtccgaggg cggaccggcg ggtgaggtcg tgacgacggg 89880

ggcctcggac gggagaccgc ggtctgccat gacgcccggc tcgcgtgggt gggggacagc 89940

gtagaccaac gacgagaccg ggcgggaatg actgtcgtgc gctgtaggga gcggcgaatt 90000

atcgatcccc tgcggccctc caggaacccc gcaggcgttg cgagtacccc gcgtcttcgc 90060

ggggtgttat acggccactt aagtcccggc atcccgttcg cggacccagg cccgggggat 90120

tgtccggatg tgcgggcagc ccggacggcg tgggttgcgg actttctgcg gggcggccca 90180

aatggccctt taaacgtgtg tatacggacg cgccgggcca gtcggccaac acaacccacc 90240

ggaggcggta gccgcgtttg gctgtggggt gggtggttcc gccttgcgtg agtgtccttt 90300

cgaccccccc ctccccgggg tcttgctagg tcgcgatctg tggtcgcaat gaagaccaat 90360

ccgctacccg caaccccttc cgtgtggggc gggagtaccg tggaactccc ccccaccaca 90420

cgcgataccg cggggcaggg cctgcttcgg tgcgtcctgc gccccccgat ctctcgccgc 90480

gacggcccag tgctccccag ggggtcggga ccccggaggg cggccagcac gctgtggttg 90540

cttggcctgg acggcacaga cgcgcccccc tggggcgctga cccccaacga cgataccgaa 90600

caggccctgg acaagatcct gcggggcacc atgcgcgggg gggcggccct gatcggctcc 90660

ccgcgccatc atctaacccg ccaagtgatc ctgacggatc tgtgccaacc caacgcggat 90720

cgtgccggga cgctgcttct ggcgctgcgg caccccgccg acctgcctca cctggcccac 90780

cagcgcgccc cgccaggccg gcagaccgag cggctgggcg aggcctgggg ccagctgatg 90840

gaggcgaccg ccctggggtc ggggcgagcc gagagcgggt gcacgcgcgc gggcctcgtg 90900

tcgtttaact tcctggtggc ggcgtgtgcc gcctcgtacg acgcgcgcga cgccgccgat 90960

gcggtacggg cccacgtcac ggccaactac cgcgggacgc gggtgggggc gcgcctggat 91020

cgtttttccg agtgtctgcg cgccatggtt cacacgcacg tcttccccca cgaggtcatg 91080

cggtttttcg gggggctggt gtcgtgggtc acccaggacg agctagcgag cgtcaccgcc 91140

gtgtgcgccg ggccccagga ggcggcgcac accggccacc cgggccggcc ccgctcggcc 91200

gtgatcctcc cggcgtgtgc gttcgtggac ctggacgccg agctggggct gggggggcccg 91260

ggcgcggcgt ttctgtacct ggtattcact taccgccagc gccgggacca ggagctgtgt 91320

tgtgtgtacg tgatcaagag ccagctcccc ccgcgcgggt tggagccggc cctggagcgg 91380

ctgtttgggc gcctccggat caccaacacg attcacggca ccgaggacat gacgcccccg 91440

gccccaaacc gaaaccccga cttccccctc gcgggcctgg ccgccaatcc ccaaaccccg 91500

cgttgctcgg ctggccaggt cacgaacccc cagttcgccg acaggctgta ccgctggcag 91560

ccggaccttc gggggcgccc caccgcacgc acctgtacgt acgccgcctt tgcagagctc 91620

ggcatgatgc ccgaggatag tccccgctgc ctgcaccgca ccgagcgctt tggggcggtc 91680

agcgtccccg ttgttattct ggaaggcgtg gtgtggcgcc ccggcgagtg gcgggcatgc 91740

gcgtgagcgt agcaaacgcc ccgcccacac aacgctccgc ccccaacccc ttccccgctg 91800

tcactcgtgg ttcgttgacc cggacgtccg ccaaataaag ccactgaaac ccgaaacgcg 91860

agtgttgtaa cgtcctttgg gcgggaggaa gccacaaaat gcaaatggga tacatggaag 91920

gaacacaccc ccgtgactca ggacatcggc gtgtcctttt gggtttcact gaaactggcc 91980

cgcgccccac ccctgcgcga tgtggataaa aagccagcgc gggtggttta gggtaccaca 92040

ggtgggtgct ttggaaactt gtcggtcgcc gtgctcctgt gagcttgcgt ccctccccgg 92100

tttcctttgc gctcccgcct tccggacctg ctctcgccta tcttctttgg ctgtcggtgc 92160

gattcgtcag gcagcggcct tgtcgaatct cgaccccacc actcgccgga cccgccgacg 92220

tcccctctgg agcccgccga aacccgccgc gtctgttgaa atggccagcc gcccagccgc 92280

atcctctccc gtcgaagcgc gggccccggt tgggggacag gaggccggcg gccccagcgc 92340

agccacccag ggggaggccg ccggggcccc tctcgcccac ggccaccacg tgtactgcca 92400

gcgagtcaat ggcgtgatgg tgctttccga caagacgccc gggtccgcgt cctaccgcat 92460

cagcgatagc aactttgtcc aatgtggttc caactgcacc atgattatcg acggagacgt 92520

ggtgcgcggg cgcccccagg acccgggggc cgcggcatcc cccgctccct tcgttgcggt 92580

gacaaacatc ggagccggca gcgacggcgg gaccgccgtc gttgcattcg ggggaacccc 92640

acgtcgctcg gcggggacgt ctaccggtac ccagacggcc gacgtcccag ccgaggccct 92700

tgggggcccc cctcctcctc cccgcttcac cctgggtggc ggctgttgct cctgtcgcga 92760

cacacggcgc cgctctgcgg tattcggggg ggaggggggat cccgtcggcc ccgcggagtt 92820

cgtctcggac gaccggtcgt ccgattccga ctcggatgac tcggaggaca ccgactcgga 92880

gacgctgtca cacgcctcct cggacgtgtc cggcggggcc acgtacgacg acgcccttga 92940

ctccgattcg tcatcggatg actccctgca gatagatggc cccgtgtgtc gcccgtggag 93000

caatgacacc gcgcccctgg atgtttgccc cgggaccccc ggcccgggcg ccgacgccgg 93060

tggtccctca gcggtagacc cacacgcgcc gacgacaggg gccggcgctg gtcttgcggc 93120

cgatcccgcc gtggcccggg acgacgcgga ggggctttcg gacccccggc cacgtctggg 93180

aacgggcacg gcctaccccg tccccctgga actcacgccc gagaacgcgg aggccgtggc 93240

gcgctttctg ggagatgccg tgaaccgcga acccgcgctc atgctggagt acttttgccg 93300

gtgcgcccgc gaggaaacca agcgtgtccc ccccaggaca ttctgcagcc cccctcgcct 93360

cacggaggac gactttgggc ttctcaacta cgcgctcgtg gagatgcagc gcctgtgtct 93420

ggacgttcct ccggtcccgc cgaacgcata catgccctat tatctcaggg agtatgtgac 93480

gcggctggtc aacgggttca agccgctggt gagccggtcc gctcgccttt accgcatcct 93540

gggggttctg gtgcacctgc ggatccggac ccgggaggcc tcctttgagg agtggctgcg 93600

atccaaggaa gtggccctgg actttggcct gacggaaagg cttcgcgagc acgaagccca 93660

gctggtgatc ctggcccagg ctctggacca ttacgactgt ctgatccaca gcacaccgca 93720

cacgctggtc gagcgggggc tgcaatcggc cctgaagtat gaggagtttt acctaaagcg 93780

ctttggcggg cactacatgg agtccgtctt ccagatgtac acccgcatcg ccggcttttt 93840

ggcctgccgg gccacgcgcg gcatgcgcca catcgccctg gggcgagagg ggtcgtggtg 93900

ggaaatgttc aagttctttt tccaccgcct ctacgaccac cagatcgtac cgtcgacccc 93960

cgccatgctg aacctgggga cccgcaacta ctacacctcc agctgctacc tggtaaaccc 94020

ccaggccacc acaaacaagg cgaccctgcg ggccatcacc agcaacgtca gtgccatcct 94080

cgcccgcaac gggggcatcg ggctatgcgt gcaggcgttt aacgactccg gccccgggac 94140

cgccagcgtc atgcccgccc tcaaggtcct cgactcgctg gtggcggcgc acaacaaaga 94200

gagcgcgcgt ccgaccggcg cgtgcgtgta cctggagccg tggcacaccg acgtgcgggc 94260

cgtgctccgg atgaaggggg tcctcgccgg cgaagaggcc cagcgctgcg acaatatctt 94320

cagcgccctc tggatgccag acctgttttt caagcgcctg attcgccacc tggacggcga 94380

gaagaacgtc acatggaccc tgttcgaccg ggacaccagc atgtcgctcg ccgactttca 94440

cggggaggag ttcgagaagc tctaccagca cctcgaggtc atggggttcg gcgagcagat 94500

acccatccag gagctggcct atggcattgt gcgcagtgcg gccacgaccg ggagcccctt 94560

cgtcatgttc aaagacgcgg tgaaccgcca ctacatctac gacacccagg gggcggccat 94620

cgccggctcc aacctctgca ccgagatcgt ccatccggcc tccaagcgat ccagtggggt 94680

ctgcaatctg ggaagcgtga atctggcccg atgcgtctcc aggcagacgt ttgactttgg 94740

gcggctccgc gacgccgtgc aggcgtgcgt gctgatggtg aacatcatga tcgacagcac 94800

gctacaaccc acgccccagt gcacccgcgg caacgacaac ctgcggtcca tgggaatcgg 94860

catgcagggc ctgcacacgg cctgcctgaa gctggggctg gatctggagt ctgccgaatt 94920

tcaggacctg aacaaacaca tcgccgaggt gatgctgctg tcggcgatga agaccagcaa 94980

cgcgctgtgc gttcgcgggg cccgtccctt caaccacttt aagcgcagca tgtatcgcgc 95040

cggccgcttt cactgggagc gctttccgga cgcccggccg cggtacgagg gcgagtggga 95100

gatgctacgc cagagcatga tgaaacacgg cctgcgcaac agccagtttg tcgcgctgat 95160

gcccaccgcc gcctcggcgc agatctcgga cgtcagcgag ggctttgccc ccctgttcac 95220

caacctgttt agcaaggtga cccgggacgg cgagacgctg cgccccaaca cgctcctgct 95280

aaaggaactg gaacgcacgt ttagcgggaa gcgcctcctg gaggtgatgg acagtctcga 95340

cgccaagcag tggtccgtgg cgcaggcgct cccgtgcctg gagcccaccc acccctccg 95400

gcgattcaag accgcgtttg actacgacca gaagttgctg atcgacctgt gtgcggaccg 95460

cgccccctac gtcgaccata gccaatccat gaccctgtat gtcacggaga aggcggacgg 95520

gaccctccca gcctccaccc tggtccgcct tctggtccac gcatataagc gcggactaaa 95580

aacagggatg tactactgca aggttcgcaa ggcgaccaac agcggggtct ttggcggcga 95640

cgacaacatt gtctgcacga gctgcgcgct gtgaccgaca aacccccctcc gcgccaggcc 95700

cgccgccact gtcgtcgccg tcccacgcgc tcccccgctg ccatggattc cgcggcccca 95760

gccctctccc ccgctctgac ggcccatacg ggccagagcg cgccggcgga cctggcgatc 95820

cagattccaa agtgccccga ccccgagagg tacttctaca cctcccagtg tcccgacatt 95880

aaccacctgc gctccctcag catccttaac cgctggctgg aaaccgagct tgttttcgtg 95940

ggggacgagg aggacgtctc caagctttcc gagggcgagc tcagctttta ccgcttcctc 96000

ttcgctttcc tgtcggccgc cgacgacctg gttacggaaa acctgggcgg cctctccggc 96060

ctgtttgagc agaaggacat tctccactac tacgtggagc aggaatgcat cgaagtcgta 96120

cactcgcgcg tgtacaacat catccagctg gtgctttttc acaacaacga ccaggcgcgc 96180

cgcgagtacg tggccggcac catcaaccac ccggccatcc gcgccaaggt ggactggttg 96240

gaagcgcggg tgcgggaatg cgcctccgtt ccggaaaagt tcattctcat gatcctcatc 96300

gagggcatct tttttgccgc ctcgtttgcc gccatcgcct accttcgcac caacaacctt 96360

ctgcgggtca cctgccagtc aaacgacctc atcagccggg acgaggccgt gcacacgacg 96420

gcctcgtgtt acatctacaa caactacctc ggcgggcacg ccaagccccc gcccgaccgc 96480

gtgtacgggc tgttccgcca ggcggtcgag atcgagatcg gatttatccg atcccaggcg 96540

ccgacggaca gccatatcct gagcccggcg gcgctggcgg ccatcgaaaa ctacgtgcga 96600

ttcagcgcgg atcgcctgtt gggccttatc cacatgaagc cactgttttc cgccccaccc 96660

cccgacgcca gctttccgct gagcctcatg tccaccgaca aacacaccaa ttttttcgag 96720

tgtcgcagca cctcctacgc cggggcggtc gtcaacgatc tgtgagggtc gcggcgcgct 96780

tctacccgtg tttgcccata ataaacctct gaaccaaact ttgggtctca ttgtgattct 96840

tgtcagggac gcgggggtgg gagaggataa aaggcggcgc aaaaagcagt aaccaggtcc 96900

ggccagattc tgagggcata ggataccata attttattgg tgggtcgttt gttcggggac 96960

aagcgcgctc gtctgacgtt tgggctactc gtcccagaat ttggccagga cgtccttgta 97020

gaacgcgggt gggggggcct gggtccgcag ctgctccaga aacctgtcgg cgatatcagg 97080

ggccgtgata tgccgggtca cgatagatcg cgccaggttt tcgtcgcgga tgtcctggta 97140

gataggcagg cgtttcagaa gagtccacgg cccccgctcc ttggggccga taagcgatat 97200

gacgtactta atgtagcggt gttccaccag ctcggtgatg gtcatgggat cggggagcca 97260

gtccagggac tctggggcgt cgtggatgac gtggcgtcgc cggctggcca cataactgcg 97320

gtgctcttcc agcagctgcg cgttcgggac ctggacgagc tcgggcgggg tgagtatctc 97380

cgaggaggac gacctggggc cggggtggcc cccggtaacg tcccggggat ccagggggag 97440

gtcctcgtcg tcttcgtatc cgccggcgat ctgttgggtt agaatttcgg tccacgagac 97500

gcgcgtctcg gtgccgccgg tggccggcgg cagagggggc ctggtttccg tggagcgcga 97560

gctggtgtgt tcccggcgga tggcccgccg ggtctgagag cgactcgggg gggtccagtg 97620

acattcgcgc agcacatcct ccacggaggc gtaggtgtta ttgggatgga ggtcggtgtg 97680

gcagcggaca aagagggcca ggaactgggg gtagctcatc ttaaagtact tcagtatatc 97740

gcgacagttg atcgtgggaa tgtagcaggc gctaatatcc aacacaatat cgcagcccat 97800

caacaggagg tcagtgtccg tggtgtacac gtacgcgacc gtgttggtgt gatagaggtt 97860

ggcgcaggca tcgtccgcct ccagctgacc cgagttaatg taggcgtacc ccagggcccg 97920

gagaacgcga atacagaaca gatgcgccag acgcagggcc ggcttcgagg gcgcggcgga 97980

cggcagcgcg gctccggacc cggccgtccc ccgggtcccc gaggccagag aggtgccgcg 98040

tcggcgcatg ttggaaaagg cagagctggg tctggagtcg gtgatggggg aaggcggtgg 98100

agaggcgtcc acgtcactgg cctcctcgtc cgtccggcac tgggccgtcg tgcgggccag 98160

gatggccttg gctccaaaca caaccggctc catacaattg accccgcgat cggtaacgaa 98220

gatggggaaa agggactttt gggtaaacac ctttaataag cgacagaggc agtgtagcgt 98280

aatggcctcg cggtcgtaac tggggtatcg gcgctgatat ttgaccacca acgtgtacat 98340

gacgttccac aggtccacgg caatgggggt gaagtacccg gccggggccc caaggccccg 98400

gcgcttgacc agatggtgtg tgtgggcaaa cttcatcatc ccgaacaaac ccatgtcagg 98460

tcgattgtaa ctgcggatcg gcctaactaa ggcgtggttg gtgcgacggt ccgggacacc 98520

cgagcctgtc tctctgtgta tggtgaccca gacaacaaca ccgacacaag aggacaataa 98580

tccgttaggg gacgctcttt ataatttcga tggcccaact ccacgcggat tggtgcagca 98640

ccctgcatgc gccggtgcgg gccaaccttc cccccgctca ttgcctcttc caaaagggtg 98700

tggcctaacg agctgggggc gtatttaatc aggctagcgc ggcgggcctg ccgtagtttc 98760

tggctcggtg agcgacggtc cggttgcttg ggtcccctgg ctgccatcaa aaccccaccc 98820

tcgcagcggc atacgccccc tccgcgtccc gcacccgaga ccccggcccg gctgccctca 98880

ccaccgaagc ccacctcgtc actgtggggt gttcccagcc cgcgttggga tgacggattc 98940

ccctggcggt gtggcccccg cctcccacgt ggaggacgcg tcggacgcgt ccctcgggca 99000

gccggaggag ggggcgccct gccaggtggt cctgcagggc gccgagctta atggaatcct 99060

acaggcgttt gccccgctgc gcacgagcct tctggactcg cttctggtta tgggagaccg 99120

gggcatcctt atccataaca cgatctttgg ggagcaggtg ttcctgcccc tggaacactc 99180

gcaattcagt cggtatcgct ggcgcggacc cacggcggcg ttcctgtctc tcgtggacca 99240

gaagcgctcc ctcctgagcg tgtttcgcgc caaccagtac ccggacctac gtcgggtgga 99300

gttggcgatc acgggccagg ccccgtttcg cacgctggtt cagcgcatat ggacgacgac 99360

gtccgacggc gaggccgttg agctagccag cgagacgctg atgaagcgcg aactgacgag 99420

ctttgtggtg ctggttcccc agggaacccc cgacgttcag ttgcgcctga cgaggccgca 99480

gctcaccaag gtccttaacg cgaccggggc cgatagtgcc acgcccacca cgttcgagct 99540

cggggttaac ggcaaatttt ccgtgttcac cacgagtacc tgcgtcacat ttgctgcccg 99600

cgaggagggc gtgtcgtcca gcaccagcac ccaggtccag atcctgtcca acgcgctcac 99660

caaggcgggc caggcggccg ccaacgccaa gacggtgtac ggggaaaata cccatcgtac 99720

cttctctgtg gtcgtcgacg attgcagcat gcgggcggtg ctccggcgac tgcaggtcgc 99780

cgggggcacc ctcaagttct tcctcacgac ccccgtcccc agtctgtgcg tcaccgccac 99840

cggtcccaac gcggtatcgg cggtatttct cctgaaaccc cagaagattt gcctggactg 99900

gctgggtcat agccaggggt ctccttccgc cgggagctcg gcctcccggg cctctgggag 99960

cgagccaaca gacagccagg actccgcgtc ggacgcggtc agccacggcg atccggaaga 100020

cctcgatggc gctgcccggg cgggagaggc gggggcctcg tacgcctgtc cgatgccgtc 100080

gtcgaccacg cgggtcactc ccacgaccaa gcgggggcgc tcgggggcg aggatgcgca 100140

cgcggacacg gccctaaaga aacctaagac ggggtcgccc accgcacccc cgcccgcaga 100200

tccagtcccc ctggacacgg aggacgactc cgatgcggcg gacgggacgg cggcccgtcc 100260

cgccgctcca gacgcccgaa gcggaagccg ttacgcgtgt tactttcgcg acctcccgac 100320

cggagaagca agccccggcg ccttctccgc cttccggggg ggcccccaaa ccccgtctgg 100380

ttttggattc ccctgacggg gcggggcctt agcggccgcc caaccctcgc aacatcccgg 100440

ggttaatgta aataaacttg gtattgccca acactctccc gcgtgtcgcg tgtggttcat 100500

gtgtgtgcct ggcgccccca ccctcgggtt cgtgtatttc ctttccctgt ccttataaaa 100560

gccgtatgtg gggcgctgac ggaaccaccc cgcgtgccat cacggccaag gcgcgggatg 100620

ctccgcaacg acagccaccg ggccgcgtcc ccggaggacg gccagggacg ggtcgacgac 100680

ggacggccac acctcgcgtg cgtgggggcc ctggcgcggg ggttcatgca tatctggctt 100740

caggccgcca cgctgggttt tgcgggatcg gtcgttatgt cgcgcgggcc gtacgcgaat 100800

gccgcgtctg gggcgttcgc cgtcgggtgc gccgtgctgg gctttatgcg cgcgcccccc 100860

cccctcgcgc ggcccaccgc gcggatatac gcctggctca aactggcggc cggtggagcg 100920

gcccttgttc tgtggagtct cggggagccc ggcacgcagc cgggggccct ggccccgggc 100980

ccggccaccc agtgcctggc gctgggcgcc gcctatgcgg cgctcctggt gctcgccgat 101040

gacgtctatc cgctctttct cctcgccccg gggcccctgt tcgtcggcac cctggggatg 101100

gtcgtcggcg ggctgacgat cggaggcagc gcgcgctact ggtggatcgg tgggcccgcc 101160

gcggccgccc tggccgcggc ggtgttggcg ggcccggggg cgaccaccgc cagggactgc 101220

ttctccaggg cgtgccccga ccaccgccgc gtctgcgtca tcgtcgcagg cgagtctgtt 101280

tcccgccgcc ccccggagga cccagagcga cccggggacc cagggccacc gtccccccg 101340

acaccccaac gatcccaggg gccgccggcc gatgaggtcg caccggccgg ggtagcgcgg 101400

cccgaaaacg tctgggtgcc cgtggtcacc tttctggggg ctggcgcgct cgccgtcaag 101460

acggtgcgag aacatgcccg gggaacgccg ggcccgggcc tgccgctgtg gccccaggtg 101520

tttctcggag gccatgtggc ggtggccctg acggagctgt gtcaggcgct tgcgccctgg 101580

gaccttacgg acccgctgct gtttgttcac gccggactgc aggtcatcaa cctcgggttg 101640

gtgtttcggt tttccgaggt tgtcgtgtat gcggcgctag ggggtgccgt gtggatttcg 101700

ttggcgcagg tgctggggct ccggcgtcgc ctgcacagga aggaccccgg ggacggggcc 101760

cggttggcgg cgacgcttcg gggcctcttc ttctccgtgt acgcgctggg gtttggggtg 101820

ggggcgctgc tgtgccctcc ggggtcaacg ggcgggcggt cgggcgattg atatattttt 101880

caataaaagg cattagtccc gaagaccgcc ggtgtgtgat gatttcgcca taacacccaa 101940

accccggatg gggcccgggt ataaattccg gaaggggaca cgggctacct tcactaccga 102000

gggcgcttgg tcgggaggcc gcatcgaacg cacaccccca tccggtggtc cgtgtggagg 102060

tcgtttttca gtgcccggtc tcgctttgcc gggaacgcta gccgatccct cgcgaggggg 102120

aggcgtcggg catggccccg gggcgggtgg gccttgccgt ggtcctgtgg agcctggtgt 102180

ggctcggggc gggggtgtcc gggggctcgg aaactgcctc caccgggccc acgatcaccg 102240

cgggagcggt gacgaacgcg agcgaggccc ccacatcggg gtcccccggg tcagccgcca 102300

gcccggaggt caccccccaca tcgaccccaa accccaacaa tgtcacacaa aaccaaacca 102360

cccccaccga gccggccagc cccccaacaa cccccaagcc cacctccaca cccaaaagcc 102420

cccccacgtc caccccccgac cccaaaccca agaacaacac caccccccgcc aagtcggacc 102480

gccccactaa acccccccggg cccgtgtggt gcgaccgccg cgatttattg gcccggtacg 102540

gctcgcgggt gcagatccga tgccggtttc ggaattccac ccgcatggag ttccgcctcc 102600

agatatggcg ttactccatg ggtccgtccc ccccaatcgc tccggctccc gacctagagg 102660

aggtcctgac gaacatcacc gccccacccg ggggactcct ggtgtacgac agcgccccca 102720

acctaacgga cccccacgtg ctctgggcgg agggggccgg cccgggcgcc gaccctccgt 102780

tgtattctgt caccgggccg ctgccgaccc agcggctgat tatcggcgag gtgacgcccg 102840

cgacccaggg aatgtattac ttggcctggg gccggatgga cagcccgcac gagtacggga 102900

cgtgggtgcg cgtccgcatg ttccgccccc cgtctctgac cctccagccc cacgcggtga 102960

tggagggtca gccgttcaag gcgacgtgca cggccgccgc ctactacccg cgtaaccccg 103020

tggagtttgt ctggttcgag gacgaccacc aggtgtttaa cccgggccag atcgacacgc 103080

agacgcacga gcaccccgac gggttcacca cagtctctac cgtgacctcc gaggctgtcg 103140

gcggccaggt ccccccgcgg accttcacct gccagatgac gtggcaccgc gactccgtga 103200

cgttctcgcg acgcaatgcc accgggctgg ccctggtgct gccgcggcca accatcacca 103260

tggaatttgg ggtccggcat gtggtctgca cggccggctg cgtccccgag ggcgtgacgt 103320

ttgcctggtt cctgggggac gacccctcac cggcggctaa gtcggccgtt acggcccagg 103380

agtcgtgcga ccgccccggg ctggctacgg tccggtccac cctgcccatt tcgtacgact 103440

acagcgagta catctgtcgg ttgaccggat atccggccgg gattcccgtt ctagagcacc 103500

acggcagtca ccagccccca cccagggacc ccaccgagcg gcaggtgatc gaggcgatcg 103560

agtgggtggg gattggaatc ggggttctcg cggcgggggt cctggtcgta acggcaatcg 103620

tgtacgtcgt ccgcacatca cagtcgcggc agcgtcatcg gcggtaacgc gagacccccc 103680

cgttaccttt ttaatatcta tatagtttgg tccccctcta tcccgcccac cgctgggcgc 103740

tataaagccg ccaccctctc ttccctcagg tcatccttgg tcgatcccga acgacacacg 103800

gcgtggagca aaacgcctcc ccctgagccg ctttcctacc agcgcaacgg catgcctctg 103860

cgggcatcgg aacacgccta ccggcccctg ggccccggga cacccccat gcgggctcgg 103920

ctccccgccg cggcctgggt tggcgtcggg accatcatcg ggggagttgt gatcattgcc 103980

gcgttggtcc tcgtgccctc gcgggcctcg tgggcacttt ccccatgcga cagcggatgg 104040

cacgagttca acctcgggtg catatcctgg gatccgaccc ccatggagca cgagcaggcg 104100

gtcggcggct gtagcgcccc ggcgaccctg atcccccgcg cggctgccaa acagctggcc 104160

gccgtcgcac gcgtccagtc ggcaagatcc tcgggctact ggtgggtgag cggagacggc 104220

attcgggcct gcctgcggct cgtcgacggc gtcggcggta ttgaccagtt ttgcgaggag 104280

cccgcccttc gcatatgcta ctatccccgc agtcccgggg gctttgttca gtttgtaact 104340

tcgacccgca acgcgctggg gctgccgtga ggcgcgtgta ctgcggtctg tctcgtctcc 104400

tcttctcccc ttccctcccc ctccgcatcc caggatcaca ccggccaacg agggttgggg 104460

ggtccggcac ggacccaaaa taataaacac acaatcacgt gcgataaaaa gaacacgcgg 104520

tcccctgtgg tgtttttggt tatttttatt aaatctcgtc gtcaaacagg gggaaagggg 104580

cgtggtctag cgacggcagc acgggtggag gcgttcaccg gctccggcgt ccttcgcgtt 104640

taagcttggt caggagggcg ctcagggcgg cgacgttggt cgggccgtcg ttggtcaggg 104700

cgttggctcg atggcgggcg aggacgggcg aggggctcaa cggcgggggc gggggcccgg 104760

tgcggcccgg gggggaaaat agggcggatc ccccccagtc gtacagggga ttttccgcct 104820

caatgtacgg ggaggccggc gctgcattcg ccgtgttcgc gcagacgttt tcgtagaccc 104880

gcatccatgg tatttcctcg tagacacgcc ccccgtcctc gctcacagtc tcgtatattg 104940

actcgtcgtc ctcgtagggg gcgtgccgtt cgcgggccga ggcggcgtgg gtggctttgc 105000

ggcgggcgtc gtcgtcgtcg tcggccgtca gatacgtggc ttccatctgg tcgggttctc 105060

cctccggggc gggtccccac ccccgtggcc gatcgaggct ccccagagac gcgcgccgga 105120

cgaggagggg gcacgtcgcc gccggcggtc gcctgtcggg tcccgcgacg ttacgggccg 105180

ggaggcgcgg gggcacctcc cccatgtgcg tgtaatacgt ggccggctgt gcggccgcag 105240

cgggggggctc ggcgaccggg tcgtccgcat ccggaagcgg gggcgccgcg ccgtccgcgc 105300

ggcgcctccg gaaccgccgg gtggccgcgg gggtcgagtg taggcgaggt cgggggaggg 105360

gcgggggctc gttgtcgcgc cgcgcccgct gaatcttttc ccgacaggtc ccacccccg 105420

cgcgatgccc ccccgggccg cgggccatgt cgtccggggg aggccccgcg gaccacgtcg 105480

tccggcgaga cgccacgagc cgcaggatgg actcgtagtg gagcgacggc gccccgctgc 105540

ggagcagatc cgcggccagg gcggccccga accaagcctt gatgctcaac tccatccggg 105600

cccagctggg ggcggtcatc gtggggaaca ggggggcggt ggtccgacag aaacgctcct 105660

ggctgtccac cgcggcccgc agatactcgt tgttcaggct gtcggtggcc cagacgccgt 105720

acccggtgag ggtcgcgttg atgatatact gggcgtggtg atggacgatc gacagaacct 105780

ccaccgtgga tacgacggta tccacggtcc cgtacgtacc gccgctccgc ttgccggtct 105840

gccacaggtt ggctaggcgc gtcaggtggc ccaggacgtc gctgaccgcc gccctgagcg 105900

ccatgcactg catggagccg gtcgtgccgc tgggaccccg gtccagatgg cgcgcgaacg 105960

tttccgcggg cgcctccggg ctgccgccga gcgggaggaa ccggcgattg gagggactca 106020

gccggtggca tacgtgcttg tctgtcgtcc acagcatcca ggacgcccac cggtacagca 106080

cggagacgta ggccaggagc tcgttgagcc gcagtgcggt gtcggtgctg gggcggcttg 106140

ggtccgccgg gcgcataaag aacatgtact gctgaatccg atggagggcg tcgcgcaggc 106200

cggccacggt ggcggcgtac ttggccgccg cggccccgct cttgaacggg gtgcgcgcca 106260

gcagctttgg cgccagggtg ggccgcagca gcacgtgaag gctggggtcg cagtcgccca 106320

cggggtcctc ggggacgtcc aggccgctgg gcaccaccgt ctgcaggtac ttccagtact 106380

gcgtgaggat ggcgcggctc aactggccgc cggtgagctc cacctcgccc agcgcctggg 106440

tggcggccga agcgtagtgc cggatgtact cgtagtgcgg gtcgctggcg agcccgtcca 106500

cgatcaaact ctcgggaacc gtgttgtgtt gccgcgcggc caaccggacg ctgcgatcgg 106560

tgcaggtcag aaacgccggc tgcgcgtcgt cggagcgctg ccgcaaggcg cccacggccg 106620

cgctaaggag cccctccggg gtggggagca gacacccgcc gaagatgcgc cgctcgggaa 106680

cgcccgcgtt gtcgccgcgg atcaggttgg caggcgtcag gcaccgcgcc agccgcaggg 106740

agctcgcgcc gcgcgtccgg cgctgcatgg tgacgcccgt tcggtcggga cccgccggtc 106800

ggagttatgc cgcgtccagg gccatcgggg cgctttttat cgggaggagc ttatgggcgt 106860

ggcgggcctc ccagcccggt cgcgcgcctc cccgacacgt gcgcccgcag ggcggcggcc 106920

ccctcgtctc ccatcagcag tttcctaaac tgggacatga tgtccaccac gcggacccgc 106980

gggcccaaca cggacccgcc gcttacgggg gcgggggggа agggctccag gtccttgaga 107040

agaaaggcgg ggtctgccgt cccggacacg ggggcccggg gcgctgagga ggcggggcgc 107100

agatccacgt gctccgcggc cgcgcggacg tccgcccaga acttggcggg ggtggtgcgc 107160

gcgtacaggg gctgggtcgc tcggaggacg cacgcgtagc gcaggggggt gtacgtgccc 107220

acctcggggg ccgtgaatcc cccgtcaaac gcggccagtg tcacgcacgc caccacggtg 107280

tcggcaaagc ccagcagccg ctgcaggacg agcccggcgg ccagaatggc gcgcgtggcc 107340

gccgcgtcgt cccggcgccg gtgcgcgtcc ccgcacgccc gggcgtactt taaggtcacg 107400

gtcgccaggg ccgtgtgcag cgcgtacacc gcagcgccca gcacggcgtt gagcccgctg 107460

ttggcgagca gccggcgcgc tgcggtgtcg cccagcgcct cgtgctcggc ccccacgacc 107520

gcggggcttc ccaggggcag ggcgcgaaac agctcctccc gcgccacgtc cgcaaaggcg 107580

gggtggtgca cgtgcgggtg caggcgcgcc cccacgacca ccgagagcca ctggaccgtc 107640

tgctccgcca tcaccgccag cacatccagc acgcgcccca ggaaggcggc ctcccgcgtc 107700

aaaacgcacc ggacggcgtc gggattgaag cgggcgagca gggccccggt ggccaggtac 107760

gtcatgcggc cggcatagcg ggcggccacg cgacagtcgc ggtccagcag cgcgcgcacc 107820

ccgggccagt acagcaggga ccccagcgag ctgcgaaaca ccgcggcgtc ggggccggat 107880

tgggggggaca ctaacccccc cgcgctcagt aacggcacgg ccgcggcccc gacgggacgc 107940

aacgccgtga ggctcgcgaa ctgccgcctc agctcggcag ccctgtcgtc caggtccgac 108000

ccgcgcgcct ctgcgtgaag gcgcgtcccg cacacccacc cgttgatggc cagccgcacg 108060

acggcatccg ccaaaaagct catcgcctgg gcgggggctgg tttttgttcg acgatccgtc 108120

aggtcaagaa tcccatcgcc cgtgatatac caggccaacg cctcgccctg ctgcagggtt 108180

tggcggaaaa acaccgcggg gttgtcgggg gaggcgaagt gcatgacccc cacgcgcgat 108240

aacccgaacg cgctatccgg acacgggtaa aacccggccg gatgccccag ggctagggcg 108300

gagcgcacgg actcgtccca cacggcaacc tgaggggcca gtcgatccaa cgggaatgcc 108360

gcccggagct ccgggcccgg cacgcgtccc tccagaacct ccaccttggg cggggaacgg 108420

gccccgccgc cgtcctccgg cccgacgtct tccgggtagt cgtcctcctc gtactgcagc 108480

tcctctagga acagcggcga cggcgccacc cgcgaaccgc cgacccgccc caaaatagcc 108540

cgcgcgtcga cgggacccag gtatcccccc tgccgggcct gcggaggacc gcggggaacc 108600

tcatcatcat cgtccaggcg accgcgcacc gactggctac gggccgcatc gggcccgggg 108660

cgctgccggg acgctcggcg atgggatgtg ggcggggctt ccgacgcgcg ccgtcgtcgg 108720

gctcgcgggc cttcccgtcg acggcgcacg ggcggctcgt cgcccgccat ctcctccaga 108780

gcctctagct cgctgtcgtc atccccgcgg aacaccgcac gcaggtaccc catgaacccc 108840

accccatcgc ccgctggctc gtccgccacg ggcgaggcgc gggggcgggt ggatgcgcgc 108900

ctcctacgcc ccgcgggttc gcgagccgac atggtggcga tagacgcggg ttatcggatg 108960

tccgctaccc cccaaaaaag aaaaagaccc cacagcgcgg atggaggccg gggtaggtgc 109020

cgccggaccc cctcgcgatg ggaatggacg ggagcgacgg ggccggcgca aaaaacgcag 109080

tatctcccgc gaaggctacc cgccgcccca gcccccggcc aaatgcggaa acggtcccgc 109140

gctctcgcct ttatacgcgg gccgccctgc gacacaatca cccgtccgtg gtttcgaatc 109200

tacacgacag gcccgcagac gcggctaaca cacacgccgg caacccagac cccagtgggt 109260

tggttgcgcg gtcccgtctc ctggctagtt cttttcccca ccaccaaata atcagacgac 109320

aaccgcaggt ttttgtaatg tatgtgctcg tgtttattgt ggatacgaac cggggacggg 109380

aggggaaaac ccagacgggg gatgcgggtc cggtcgcgcc ccctacccac cgtactcgtc 109440

aattccaagg gcatcggtaa acatctgctc aaactcgaag tcggccatat ccagagcgcc 109500

gtagggggcg gagtcgtggg gggtaaatcc cggacccggg gaatccccgt cccccaacat 109560

gtccagatcg aaatcgtcta gcgcgtcggc atgcgccatc gccacgtcct cgccgtctaa 109620

gtggagctcg tcccccaggc tgacatcggt cgggggggcc gtcgacagtc tgcgcgtgtg 109680

tcccgcgggg agaaaggaca ggcgcggagc cgccagcccc gcctcttcgg gggcgtcgtc 109740

gtccgggaga tcgagcaggc cctcgatggt agacccgtaa ttgtttttcg tacgcgcgcg 109800

gctgtacgcg tgttcccgca tgaccgcctc ggagggcgag gtcgtgaagc tggaatacga 109860

gtccaacttc gcccgaatca acaccataaa gtacccagag gcgcgggcct ggttgccatg 109920

cagggtggga ggggtcgtca acggcgcccc tggctcctcc gtagccgcgc tgcgcaccag 109980

cgggaggtta aggtgctcgc gaatgtggtt tagctcccgc agccggcggg cctcgattgg 110040

cactccccgg acggtgagcg ctccgttgac gaacatgaag ggctggaaca gacccgccaa 110100

ctgacgccag ctctccaggt cgcaacagag gcagtcaaac aggtcgggcc gcatcatctg 110160

ctcggcgtac gcggcccata ggatctcgcg ggtcaaaaat agatacaaat gcaaaaacag 110220

aacacgcgcc agacgagcgg tctctcggta gtacctgtcc gtgatcgtgg cgcgcagcat 110280

ttctcccagg tcgcgatcgc gtccgcgcat gtgcgcctgg cggtgcagct gccggacgct 110340

ggcgcgcagg taccggtaca gggccgagca gaagttggcc aacacggttc gatagctctc 110400

ctcccgcgcc cgtagctcgg cgtggaagaa acgagagagc gcttcgtagt agagcccgag 110460

gccgtcgcgg gtggccggaa gcgtcgggaa ggccacgtcg ccgtgggcgc gaatgtcgat 110520

ttgggcgcgt tcggggacgt acgcgtcccc ccattccacc acatcgctgg gcagcgttga 110580

taggaattta cactcccggt acaggtcggc gttggtcggt aacgccgaaa acaaatcctc 110640

gttccaggta tcgagcatgg tacatagcgc ggggcccgcg ctaaagccca agtcgtcgag 110700

gagacggtta aagagggcgg cgggggggac gggcatgggc ggggagggca tgagctgggc 110760

ctggctcagg cgccccgttg cgtacagcgg aggggccgcc ggggtgtttt tgggaccccc 110820

ggccgggcgg gggggtggtg gcgaagcgcc gtccgcgtcc atgtcggcaa acagctcgtc 110880

gaccaagagg tccattgggt ggggttgata cgggaaagac gatatcgggc ttttgatgcg 110940

atcgtccccg cccgcccaga gagtgtggga cgcccgacgg cgcgggaaga gaaaaacccc 111000

caaacgcgtt agaggaccgg acggacctta tgggggggaag tgggcagcgg gaaccccgtc 111060

cgttcccgag gaatgacagc ccgtggtcgc caccccgcat ttaagcaacc cgcacgggcc 111120

gccccgtacc tcgtgacttc cccccacatt ggctcctgtc acgtgaaggc gaaccgaggg 111180

cggctgtcca acccaccccc cgccacccag tcacggtccc cgtcggattg ggaaacaaag 111240

gcacgcaacg ccaacaccga atgaacccct gttggtgctt tattgtctgg gtacggaagt 111300

ttttcactcg acgggccgtc tggggcgaga agcggagcgg gctggggctc gaggtcgctc 111360

ggtggggcgc gacgccgcag aacgccctcg agtcgccgtg gccgcgtcga cgtcctgcac 111420

cacgtctgga ttcaccaact cgttggcgcg ctgaagcagg tttttgccct cgcagaccgt 111480

cacgcggatg gtggtgatgc caaggagttc gttgaggtct tcgtctgtgc gcggacgcga 111540

catgtcccag agctggaccg ccgccatccg ggcatgcatg gccgccaggc gcccgaccgc 111600

ggcgcagaag acgcgcttgt taaagccggc cacccggggg gtccatggcg cgtcggggtt 111660

tgggggggcg gtgctaaagt gcagctttct ggccagcccc tgcgcgggtg tcttggatcg 111720

ggttggcgcc gtcgacgcgg gggcgtctgg gagtgcggcg gattctggct gggccgattt 111780

cctgccgcgg gtggtctccg ccgccggggc cgcgggggcc ttagtcgcca cccgctgggt 111840

tcgggggccc cgggggcgcgg tggtgggtgt gcgtccggcc cctccggacc cagcgggcgg 111900

cggaggcgcc cgcgcaggcc ccgggccgga caaaaccgcc ccggaaacgg gacgccgcgt 111960

ccgggggacc tccgggtgtt cgtcgtcttc ggatgacgag cccccgtaga gggcataatc 112020

cgactcgtcg tactggacga aacggacctc gcccctcggg cgcgcgcgtg tctgtagggc 112080

gccacggcgg gaggtggcag gcggactatc gggactcgcc atacatgaag acggggtgta 112140

gtacagatcc tcgtactcat cgcgcggaac ctcccgcgga cccgacttca cggagcggcg 112200

agaggtcatg gttccacgaa cacgctaggg tcggatgcgc ggacaattag gcctgggttc 112260

ggacggcggg gggtggtgca ggtgtggaga ggtcgagcga taggggcggc ccgggagaga 112320

agagagggtc cgcaaaaccc actggggatg cgtgagtggc cctctgtggg cggtggggga 112380

gagtcttata ggaagtgcat ataaccacaa cccatgggtc taaccaatcc ccaggggcca 112440

agaaacagac acgccccaaa cggtctcggt ttccgcgaag aaggggaagt cctgggacac 112500

cctccacccc cacccctcac cccacacagg gcgggttcag gcgtgcccgg cagccagtag 112560

cctctggcag atctgacaga cgtgtgcgat aatacacacg cccatcgagg ccatgcctac 112620

ataaaagggc accagggccc ccggggcaga catttggcca gcgttttggg tctcgcaccg 112680

cgcgcccccg atcccatcgc gcccgccctc ctcgccgggc ggctccccgt gcgggcccgc 112740

gtctcccgcc gctaaggcga cgagcaagac aaacaacagg cccgcccgac agacccttct 112800

ggggggggccc atcgtcccta acaggaagat gagtcagtgg ggatccgggg cgatccttgt 112860

ccagccggac agcttgggtc gggggtacga tggcgactgg cacacggccg tcgctactcg 112920

cgggggcgga gtcgtgcaac tgaacctggt caacaggcgc gcggtggctt ttatgccgaa 112980

ggtcagcggg gactccggat gggccgtcgg gcgcgtctct ctggacctgc gaatggctat 113040

gccggctgac ttttgtgcga ttattcacgc ccccgcgcta tccagcccag ggcaccacgt 113100

aatactgggt cttatcgact cggggtaccg cggaaccgtt atggccgtgg tcgtagcgcc 113160

taaaaggacg cgggaatttg cccccgggac cctgcgggtc gacgtgacgt tcctggacat 113220

cctggcgccc cccccggccc tcaccaagcc gatttccctg cggcagttcc cgcaactggc 113280

gccccccccc ccaaccgggg ccgggatacg cgcagatcct tggttggagg gggcgctcgg 113340

ggacccaagc gtgactccgg ccctaccggc gcgacgccga gggcggtccc tcgtctatgc 113400

cggcgagctg acgccggttc agacggaaca cggggacggc gtacgagaag ccatcgcctt 113460

ccttccaaaa cgcgaggagg atgccggttt cgacattgtc gtccgtcgcc cggtcaccgt 113520

cccggcaaac ggcaccacgg tcgtgcagcc atccctccgc atgctccacg cggacgccgg 113580

gcccgcggcc tgttatgtgt tggggcggtc gtcgctcaac gcccgcggcc tcctggtcgt 113640

tcctacgcgc tggctccccg ggcacgtatg tgcgtttgtt gtttacaacc ttacgggggt 113700

tcctgtgacc ctcgaggccg gcgccaaggt cgcccagctc ctggttgcgg gggcggacgc 113760

tcttccttgg atccccccgg acaactttca cgggaccaaa gcgcttcgaa actaccccag 113820

gggtgttccg gactcaaccg ccgaacccag gaacccgccg ctcttggtgt ttacgaacga 113880

gtttgacgcg gaggcccccc cgagcgagcg cgggaccggg ggttttggct ctaccggtat 113940

ttagcccata gcttggggtt cgttccgggc aataaaaaac gtttgtatct catctttcct 114000

gtgtgtagtt gtttctgttg gaggcctgtg ggtctatcac acccgcccct ccatcccaca 114060

aacacagaac acacgggttg gatgaaaaca cgcatttatt gacccaaaac acacggagct 114120

gctcgagatg ggccagggcg aggtgcggtt ggggaggctg taggtctggg aacggacacg 114180

cggggacacg attccggttt ggggtccggg agggcgtcgc cgtttcgggc ggcaggcgcc 114240

agcgtaacct ccgggggcgg cgtgtggggg tgccccaagg agggcgcctc ggtcacccca 114300

agccccccca agcgggttcc cccggcaacc ccgaaggcgg agaggccaag ggcccgttcg 114360

gcgatggcca catcctccat gaccacgtcg ctctcggcca tgctccgaat agcctgggag 114420

acgagcacat ccgcggactt gtcagccgcc cccacggaca tgtacatctg caggatggtg 114480

gccatacacg tgtccgccag gcgccgcatc ttgtcctgat gggccgccac ggccccgtcg 114540

atcgtggggg cctcgagccc ggggtggtgg cgcgccagtc gttctaggtt caccatgcag 114600

gcgtggtacg tgcgggccaa ggcgcgggcc ttcacgaggc gtcgggtgtc gtccagggac 114660

cccagggcgt catcgagcgt gatgggggcg ggaagtagcg cgttaacgac caccagggcc 114720

tcctgcagcc gcggctccgc ctccgagggc ggaacggccg cgcggatcat ctcatattgt 114780

tcctcggggc gcgctcccca gccacatata gccccgagaa gagaagccat cgcgggcggg 114840

tactggccct tgggcgcgcg gacgcaatgg ggcaggaaga cgggaaccgc ggggagaggc 114900

gggcggccgg gactcccgtg gaggtgaccg cgctttatgc taccgacggg tgcgttatta 114960

cctcttcgat cgccctcctc acaaactctc tactgggggc cgagccggtt tatatattca 115020

gctacgacgc atacacgcac gatggccgtg ccgacgggcc cacggagcaa gacaggttcg 115080

aagagagtcg ggcgctctac caagcgtcgg gcgggctaaa tggcgactcc ttccgagtaa 115140

ccttttgttt attggggacg gaagtgggtg ggacccacca ggcccgcggg cgaacccgac 115200

ccatgttcgt ctgtcgcttc gagcgagcgg acgacgtcgc cgcgctacag gacgccctgg 115260

cgcacgggac cccgctacaa ccggaccaca tcgccgccac cctggacgcg gaggccacgt 115320

tcgcgctgca tgcgaacatg atcctggctc tcaccgtggc catcaacaac gccagccccc 115380

gcaccggacg cgacgccgcc gcggcgcagt atgatcaggg cgcgtcccta cgctcgctcg 115440

tggggcgcac gtccctggga caacgcggcc ttaccacgct atacgtccac cacgaggcgc 115500

gcgtgctggc cgcgtaccgc agggcgtatt atggaagcgc gcagagtccc ttctggtttc 115560

ttagcaaatt cgggccggac gaaaaaagcc tggtgctcac cactcggtac tacctgcttc 115620

aggcccagcg tctgggggggc gcgggggcca cgtacgacct gcaggccatc aaggacatct 115680

gcgccaccta cgcgattccc cacgcccccc gccccgacac cgtcagcgcc gcgtccctga 115740

cctcgtttgc cgccatcacg cggttctgtt gcacgagcca gtacgcccgc ggggccgcgg 115800

cggccgggtt tccgctttac gtggagcgcc gtattgcggc cgacgtccgc gagaccagtg 115860

cgctggagaa gttcataacc cacgatcgca gttgcctgcg cgtgtccgac cgtgaattca 115920

ttacgtacat ttacctggcc cattttgagt gtttcagccc cccgcgccta gccacgcatc 115980

ttcgggccgt gacgacccac gaccccaacc ccgcggccaa cacggagcag ccctcgcccc 116040

tgggcaggga ggccgtggaa caatttttt gccacgtgcg cgcccaactg aatatcgggg 116100

agtacgtcaa acacaacgtg acccccgggg agaccgtcct ggatggcgat acggccaagg 116160

cctacctgcg cgctcgcacg tacgcgcccg gggccctgac gcccgccccc gcgtattgcg 116220

gggccgtgga ctccgccacc aaaatgatgg ggcgtttggc ggacgccgaa aagctcctgg 116280

tcccccgcgg gtggcccgcg tttgcgcccg ccagtcccgg ggaggatacg gcgggcggca 116340

cgccgccccc acagacctgc ggaatcgtca agcgcctcct gagactggcc gccacggaac 116400

aacaggacac cacgcccccg gcgatcgcgg cgcttatccg taatgcggcg gtgcagactc 116460

ccctgcccgt ctaccggata tccatggtcc ccacgggaca ggcatttgcc gcgctggcct 116520

gggacgactg ggcccgcata acgcgggacg ctcgcctggc cgaagcggtc gtgtccgccg 116580

aagcggcggc gcaccccgac cacggcgcgc tgggcaggcg gctcacggat cgcatccgcg 116640

cccagggccc cgtgatgccc cctggcggcc tggatgccgg ggggcagatg tacgtgaatc 116700

gcaacgagat attcaacggc gcgctggcaa tcacaaacat catcctggat ctcgacatcg 116760

ccctgaagga gcccgtcccc tttcgccggc tccacgaggc cctgggccac tttaggcgcg 116820

gggctctggc tgcggttcag ctcctgtttc ccgcggcccg cgtggacccc gacgcatatc 116880

cctgttattt tttcaaaagc gcatgtcggc ccggcccggc gtccgtgggt tccggcagcg 116940

gactcggcga cgacggggac tggtttccct gctacgacga cgccggtgat gaggagtggg 117000

cggaggaccc gggcgccatg gacacatccc acgatccccc ggacgacgag gttgcctact 117060

ttgacctgtg ccacgaagtc ggccccacgg cggaacctcg cgaaacggat tcgcccgtgt 117120

gttcctgcac cgacaagatc ggactgcggg tgtgcatgcc cgtccccgcc ccgtacgtcg 117180

tccacggttc tctaacgatg cgggggggtgg cacgggtcat ccagcaggcg gtgctgttgg 117240

accgagattt tgtggaggcc atcgggagct acgtaaaaaa cttcctgttg atcgatacgg 117300

gggtgtacgc ccacggccac agcctgcgct tgccgtattt tgccaaaatc gcccccgacg 117360

ggcctgcgtg cggaaggctg ctgccagtgt ttgtgatccc ccccgcctgc aaagacgttc 117420

cggcgtttgt cgccgcgcac gccgacccgc ggcgcttcca ttttcacgcc ccgcccacct 117480

atctcgcttc cccccgggag atccgtgtcc tgcacagcct gggtggggac tatgtgagct 117540

tctttgaaag gaaggcgtcc cgcaacgcgc tggaacactt tgggcgacgc gagaccctga 117600

cggaggtcct gggtcggtac aacgtacagc cggatgcggg ggggaccgtc gaggggttcg 117660

catcggaact gctggggcgg atagtcgcgt gcatcgaaac ccactttccc gaacacgccg 117720

gcgaatatca ggccgtatcc gtccggcggg ccgtcagtaa ggacgactgg gtcctcctac 117780

agctagtccc cgttcgcggt accctgcagc aaagcctgtc gtgtctgcgc tttaagcacg 117840

gccgggcgag tcgcgccacg gcgcggacat tcgtcgcgct gagcgtcggg gccaacaacc 117900

gcctgtgcgt gtccttgtgt cagcagtgct ttgccgccaa atgcgacagc aaccgcctgc 117960

acacgctgtt taccattgac gccggtacgc catgctcgcc gtccgttccc tgcagcacct 118020

ctcaaccgtc gtcttgataa cggcgtacgg cctcgtgctc gtgtggtaca ccgtcttcgg 118080

tgccagtccg ctgcaccgat gtatttacgc ggtacgcccc accggcacca acaacgacac 118140

cgccctcgtg tggatgaaaa tgaaccagac cctattgttt ctgggggccc cgacgcaccc 118200

ccccaacggg ggctggcgca accacgccca tatctgctac gccaatctta tcgcgggtag 118260

ggtcgtgccc ttccaggtcc cacccgacgc catgaatcgt cggatcatga acgtccacga 118320

ggcagttaac tgtctggaga ccctatggta cacacgggtg cgtctggtgg tcgtagggtg 118380

gttcctgtat ctggcgttcg tcgccctcca ccaacgccga tgtatgtttg gtgtcgtgag 118440

tcccgcccac aagatggtgg ccccggccac ctacctcttg aactacgcag gccgcatcgt 118500

atcgagcgtg ttcctgcagt acccctacac gaaaattacc cgcctgctct gcgagctgtc 118560

ggtccagcgg caaaacctgg ttcagttgtt tgagacggac ccggtcacct tcttgtacca 118620

ccgccccgcc atcggggtca tcgtaggctg cgagttgatg ctacgctttg tggccgtggg 118680

tctcatcgtc ggcaccgctt tcatatcccg gggggcatgt gcaatcacat accccctgtt 118740

tctgaccatc accacctggt gttttgtctc caccatcggc ctgacagagc tgtattgtat 118800

tctgcggcgg ggcccggccc ccaagaacgc agacaaggcc gccgccccgg ggcgatccaa 118860

ggggctgtcg ggcgtctgcg ggcgctgctg ttccatcatc ctctcgggca tcgcagtgcg 118920

attgtgttat atcgccgtgg tggccggggt ggtgctcgtg gcgcttcact acgagcagga 118980

gatccagagg cgcctgtttg atgtatgacg tcacatccag gccggcggaa accggaacgg 119040

catatgcaaa ttggaaactg tcctgtcttg gggcccaccc acccgacgcg tcatatgcaa 119100

atgaaaatcg gtcccccgag gccacgtgta gcctggatcc caacgacccc gcccatgggt 119160

cccaattggc cgtcccgtta ccaagaccaa cccagccagc atatccaccc ccgcccgggt 119220

ccccgcggaa gcggaacggt gtatgtgata tgctaattaa atacatgcca cgtacttatg 119280

gtgtctgatt ggtccttgtc tgtgccggag gtggggcggg ggccccgccc ggggggcgga 119340

acgaggaggg gtttgggaga gccggccccg gcaccacggg tataaggaca tccaccaccc 119400

ggccggtggt ggtgtgcagc cgtgttccaa ccacggtcac gcttcggtgc ctctccccga 119460

ttcgggcccg gtcgctcgct accggtgcgc caccaccaga ggccatatcc gacaccccag 119520

ccccgacggc agccgacagc ccggtcatgg cgactgacat tgatatgcta attgacctcg 119580

gcctggacct ctccgacagc gatctggacg aggacccacc cgagccggcg gagagccgcc 119640

gcgacgacct ggaatcggac agcagcgggg agtgttcctc gtcggacgag gacatggaag 119700

acccccacgg agaggacgga ccggagccga tactcgacgc cgctcgcccg gcggtccgcc 119760

cgtctcgtcc agaagacccc ggcgtaccca gcacccagac gcctcgtccg acggagcggc 119820

agggccccaa cgatcctcaa ccagcgcccc acagtgtgtg gtcgcgcctc ggggcccggc 119880

gaccgtcttg ctcccccgag cagcacgggg gcaaggtggc ccgcctccaa cccccaccga 119940

ccaaagccca gcctgcccgc ggcggacgcc gcgggcgtcg caggggtcgg ggtcgcggtg 120000

gtcccggggc cgccgatggt ttgtcggacc cccgccggcg tgcccccaga accaatcgca 120060

acccgggggg accccgcccc ggggcggggt ggacggacgg ccccggcgcc ccccatggcg 120120

aggcgtggcg cggaagtgag cagcccgacc cacccggagg cccgcggaca cggggcgtgc 120180

gccaagcacc ccccccgcta atgacgctgg cgattgcccc cccgcccgcg gacccccgcg 120240

ccccggcccc ggagcgaaag gcgcccgccg ccgacaccat cgacgccacc acgcggttgg 120300

tcctgcgctc catctccgag cgcgcggcgg tcgaccgcat cagcgagagc tttggccgca 120360

gcgcacaggt catgcacgac ccctttgggg ggcagccgtt tcccgccgcg aatagcccct 120420

gggccccggt gttggcgggc caaggagggc cctttgacgc cgagaccaga cgggtctcct 120480

gggaaacctt ggtcgcccac ggcccgagcc tctatcgcac ttttgccggc aatcctcggg 120540

ccgcatcgac cgccaaggcc atgcgcgact gcgtgctgcg ccaagaaaat ttcatcgagg 120600

cgctggcctc cgccgacgag acgctggcgt ggtgcaagat gtgcatccac cacaacctgc 120660

cgctgcgccc ccaggacccc attatcggga cggccgcggc tgtgctggat aacctcgcca 120720

cgcgcctgcg gccctttctc cagtgctacc tgaaggcgcg aggcctgtgc ggcctggacg 120780

aactgtgttc gcggcggcgt ctggcggaca ttaaggacat tgcatccttc gtgtttgtca 120840

ttctggccag gctcgccaac cgcgtcgagc gtggcgtcgc ggagatcgac tacgcgaccc 120900

ttggtgtcgg ggtcggagag aagatgcatt tctacctccc cggggcctgc atggcgggcc 120960

tgatcgaaat cctagacaca caccgccagg agtgttcgag tcgtgtctgc gagttgacgg 121020

ccagtcacat cgtcgccccc ccgtacgtgc acggcaaata tttttattgc aactccctgt 121080

tttaggtaca ataaaaacaa aacatttcaa acaaatcgcc ccacgtgttg tccttctttg 121140

ctcatggccg gcggggcgtg ggtcacggca gatggcgggg gtgggcccgg cgtacggcct 121200

gggtgggcgg agggaactaa cccaacgtat aaatccgtcc ccgctccaag gccggtgtca 121260

tagtgccctt aggagcttcc cgcccgggcg catccccccc tttgcactat gacagcgacc 121320

cccctcacca acctgttctt acgggccccg gacataaccc acgtggcccc cccttactgc 121380

ctcaacgcca cctggcaggc cgaaacggcc atgcacacca gcaaaacgga ctccgcttgc 121440

gtggccgtgc ggagttacct ggtccgcgcc tcctgtgaga ccagcggcac aatccactgc 121500

tttttctttg cggtatacaa ggacacccac cacacccctc cgctgattac cgagctccgc 121560

aactttgcgg acctggttaa ccacccgccg gtcctacgcg aactggagga taagcgcggg 121620

gtgcggctgc ggtgtgcgcg gccgtttagc gtcgggacga ttaaggacgt ctctgggtcc 121680

ggcgcgtcct cggcgggaga gtacacgata aacgggatcg tgtaccactg ccactgtcgg 121740

tatccgttct caaaaacatg ctggatgggg gcctccgcgg ccctacagca cctgcgctcc 121800

atcagctcca gcggcatggc cgcccgcgcg gcagagcatc gacgcgtcaa gattaaaatt 121860

aaggcgtgat ctccaacccc cccatgaatg tgtgtaaccc cccaaaaaaa taaacagccg 121920

taacccaatc aaaccaggcg tggtgtgagt ttgtggaccc aaagccctca gagacaacgc 121980

gacaggccag tatggaccgt gatactttta tttattaact cacaggggcg cttaccgcca 122040

caggaatacc agaataatga ccaccactat cgcgaccacc ccaaatacag catggcgccc 122100

caccacgcca caacagccct gtcgccggta tggggcatga tcagacgagc cgcgagccgc 122160

gcgttgggcc ctgtacagct cgcgcgaatt gaccctagga ggccgccacg cgcccgagtt 122220

ttgcgttcgt cgctggtcgt cgggcgccaa agccccggac ggctgttcgg tcgaacgaac 122280

ggccacgaca gtggcatagg ttgggggggtg gtccgacata gcctcggcgt acgtcgggag 122340

gcccgacaag aggtcccttg agatgtcggg tggggccaca agcctggttt ccggaagaaa 122400

caggggggtt gccaataacc cgccagggcc aaaactccgg cgctgcgcac gtcgttcggc 122460

gcggcgccgg gcgcgccgag cggctcgctg ggcggcttgg cgtgagcggc cccgctccga 122520

cgcctcgccc tctccggagg aggttggcgg aattggcacg gacgacaggg gcccagcaga 122580

gtacggtgga ggtgggtccg tgggggtgtc cagatcaata acgacaaacg gcccctcgtt 122640

cctaccagac aagctatcgt agggggggcgg gggatcagca aacgcgttcc ccgcgctcca 122700

tagacccgcg tcgggttgcg ccgcctccga agccatggat gcgccccaaa gccacgactc 122760

ccgcgcgcta ggtccttggg gtaagggaaa aggccctact ccccatccaa gccagccaag 122820

ttaacgggct acgccttcgg ggatgggact ggcaccccgg cggattttgt tgggctggta 122880

cgcgttgccc aaccgagggc cgcgtccacg ggacgcgcct tttataaccc cgggggtcat 122940

tcccaacgat cacatgcaat ctaactggct cccctctccc cccctctccc ctctcccccc 123000

ctctcccctc tccccccctc tcccctctcc cccctctcc cctctccccc cctctcccct 123060

ctcccccccc ctcccctctc ccccccctctc ccctctcccc ccctctcccc tctccccccc 123120

tctcccctct ccccccctct cccctctccc cccctgctct ttccccgtga cacccgacgc 123180

tgggggggcgt ggctgccggg aggggccgcg gatgggcggg gcctactcgg tctcccgccc 123240

ccgcccccga accgccccgc cggccttgcc ccccctttgat cccctgctac ccccaacccg 123300

tgctcgtggt gcgggttggg tgggggggggg gagtgtgggc gggggtgtgc gggaggtgtc 123360

ggtggtggtg gtggtggtag gaatggtggt gagggggggg ggcgctggtt ggtcaaaaaa 123420

gggagggacg ggggccggca gaccgacggc gacaacgctc cccggcggcc gggtcgcggc 123480

tcttacgagc ggcccggccc gcgctcccac cccccgggcc gtgtccttgc tttccccccg 123540

tctccccccc cctccttctc ctcctcctcc tcctcgtttt tccaaacccc gcccacccgg 123600

cccggcccgg cccggccacc gccgcccacc cacccacctc gggagaccca gccccggtcc 123660

cccgttcccc gggggccgtt atctccagcg ccccgtccgg cgcgccgccc cccgccgcta 123720

aaccccatcc cgcccccggg accccacata taagccccca gccacacgca agaacagaca 123780

cgcagaacgg ctgtgtttat ttaaataaac cgatgtcgga ataaacaaac acaaacaccc 123840

gcgacggggg gacggaggga ggggggtgac gggggacggg aacagccaca aaaaacaccc 123900

acaaaaaaaa acagccaccc ccgacacccc cccccacccc cagtctcttc gccttttccc 123960

ccccacccca cgcccccact gagcccggtc gatcgacgag caccccccgcc cccgcccctg 124020

ccccggcgac ccccggcccg cacgatcccg acaacaataa caaccccaac ggaaagcggc 124080

ggggtgtggg ggggggcgag gaacaaccga ggggaacggg ggatggaagg acgggaagtg 124140

gaagtcctga tacccatcct acacccccct gccttccacc ctccggcccc ccgcgagtcc 124200

acccgccggc cggctaccga gaccgaacac ggcggccgcc gcagccgccg cagccgccgc 124260

cgacaccgca gagccggcgc gcgcacacac aagcggcaga ggcagaaagg cccagagtca 124320

ttgtttatgt ggccgcgggc cagcagacgg cccgcgacac ccccccccccc gcccgtgtgg 124380

gtatccggcc ccccgccccg cgccggtcca ttaagggcgc gcgtgcccgc gagatatcaa 124440

tccgttaagt gctctgcaga caggggcacc gcgcccggaa atccattagg ccgcagacga 124500

ggaaaataaa attacatcac ctacccacgt ggtgctgtgg cctgtttttg ctgcgtcatc 124560

tgagccttta taaaagcggg ggcgcggccg tgccgatcgc gggtggtgcg aaagactttc 124620

cgggcgcgtc cgggtgccgc ggctctccgg gccccccctgc agccggggcg gccaaggggc 124680

gtcggcgaca tcctcccccct aagcgccggc cggccgctgg tctgtttttt gttttccccg 124740

tttcgggggt gggggggggtt gcggtttctg tttctttaac ccgtctgggg tgtttttcgt 124800

tccgtcgccg gaatgtttcg ttcgtctgtc ccctcacggg gcgaaggccg cgtacggccc 124860

gggacgaggg ggcccccgac cgcggcggtc cgggccccgt ccgggcccgc tcgccggcac 124920

gcgacgcgaa aaaggccccc cggaggcttt tccgggttcc cggcccgggg cctgagataa 124980

acaatcgggg ttaccgccaa cggccggccc ccgtggcggc ccggcccggg gccccggcgg 125040

acccaagggg ccccggcccg gggccccaca acggcccggc gcatgcgctg tggttttttt 125100

ttctcggtgt tttgtcgggc tccgtcgcct ttcctgttct cgcttctccc ccccccccct 125160

tcttcacccc cagtaccctc ctccctccct tcctcccccg ttatcccact cgtcaagggc 125220

gccccggtgt ggttcaacaa agacgccgcg tttccaggta ggttagacac ctgcttctcc 125280

ccaatagagg ggggggaccc aaacgacagg gggcgcccca gaggctaagg tcggccacgc 125340

cactcgcggg tgggctcgtg ttacagcaca ccagcccgtt cttttccccc cctcccaccc 125400

ttagtcagac tctgttactt acccgtccga ccaccaactg ccccccttatc taagggccgg 125460

ctggaagacc gccaggggggt cggccggtgt cgctgtaacc ccccacgcca atgacccacg 125520

tactccaaga aggcatgtgt cccaccccgc ctgtgttttt gtgcctggct ctctatgctt 125580

gggtcttact gccgggggggg ggggagtgcg ggggaggggg ggtgtggaag gaaatgcacg 125640

gcgcgtgtgt acccccccta aagttgttcc taaagcgagg atatggagga gtggcgggtg 125700

ccgggggacc ggggtgatct ctggcacgcg ggggtgggaa gggtcggggg agggggggatg 125760

gggtaccggc ccacctggcc gacgcgggtg cgcgtgcctc tgcacaccaa ccccacgtcc 125820

cccggcggtc tctaagaagc accgcccccc ctccttcata ccaccgagca tgcctgggtg 125880

tgggttggta accaacacgc ccatcccctc gtctcctgtg attctctggc tgcaccgcat 125940

tcttgttttc taactatgtt cctgtttctg tctccccccc cacccctccg ccccaccccc 126000

caacacccac gtctgtggtg tggccgaccc ccttttgggc gccccgtccc gccccgccac 126060

ccctcccgtc ctttgttgcc ctatagtgta gttaaccccc ccccgccctt tgtggcggcc 126120

agaggccagg tcagtccggg cgggcaggcg ctcgcggaaa cttaacaccc acacccaacc 126180

cactgtggtt ctggctccat gccagtggca ggatgctttc ggggatcggt ggtcaggcag 126240

cccgggccgc ggctctgtgg ttaacaccag agcctgccca acatggcacc cccactccca 126300

cgcaccccca ctcccacgca cccccactcc cacgcacccc cactcccacg cacccccact 126360

cccacgcacc cccactccca cgcaccccca ctcccacgca cccccactcc cacgcacccc 126420

cactcccacg cacccccgag atccatccaa cacagacagg gaaaagatac aaaagtaaac 126480

ctttatttcc caatagacag caaaaatccc ctgagttttt tattagggcc aacactaaag 126540

acccgctggt gtgtggtgcc cgtgtctttc acttttcccc tccccgacac ggattggctg 126600

gtgtagtggg cgcggccaga gaccacccag cgcccgaccc ccccctcccc acaaacacgg 126660

ggggcgtccc ttattgtttt ccctcgtccc gggtcgacgc cccctgctcc ccggaccacg 126720

ggtgccgaga ccgcaggctg cggaagtcca gggcgcccac tagggtgccc tggtcgaaca 126780

gcatgttccc cacgggggtc atccagaggc tgttccactc cgacgcgggg gccgtcgggt 126840

actcgggggg catcacgtgg ttacccgcgg tctcggggag cagggtgcgg cggctccagc 126900

cggggaccgc ggcccgcagc cgggtcgcca tgtttcccgt ctggtccacc aggaccacgt 126960

acgccccgat gttccccgtc tccatgtcca ggatgggcag gcagtccccc gtgatcgtct 127020

tgttcacgta aggcgacagg gcgaccacgc tagagacccc cgagatgggc aggtagcgcg 127080

tgaggccgcc cgcgggggcg gccccggaag tctccgcgtg gcgcgtcttc cgggcacact 127140

tcctcggccc ccgcggccca gaagcagcgc gggggccgag ggaggtttcc tcttgtctcc 127200

ctcccagggc accgacggcc ccgcccgagg aggcggaagc ggaggaggac gcggccccgg 127260

cggcggaaga ggcggccccc gcgggagtcg gggccgagga ggaagaggca gaggaggaag 127320

aggcggaggc cgccgaggac gtcagggggg tcccgggccc accctggccg cgccccccg 127380

gccctgagtc ggaggggggg tgcgtcgccg ccctcttggc ccctgccggc gcgaggggg 127440

gacgcgtgga ctgggggag gggttttcct ggcccgaccc gcgcctcttc ctcggacgca 127500

ccgccgcctc ctgctcgaca gaggcggcgg aggggagcgg gggggcgccg gaggggcgg 127560

cgccgcggga gggcccgtgt ccaccctcca cgcccggccc ccccgagccg cgcgccaccg 127620

tcgcacgcgc ccggcacaga ctctgttctt ggttcgcggc ctgagccagg gacgagtgcg 127680

actggggcac acggcgcgcg tccgcggggg ccggggcgcg ggggccgggc cccggaggcg 127740

gcgctcgcac gcacggggcc acggccgcgc gggggcgcgc gggtcccgac gcggccgagg 127800

acgcggtggg cccggggcgg ggggcggagc ctggcatggg cgccgcgggg ggcctgtggg 127860

gagaggccgg gggggagtcg ctgatcacta tggggtctct gttgtttgca agggggcgg 127920

gtctgttgac aaggggggccc gtccggcccc tcggccgccc cgcctccgct tcaacaaccc 127980

caaccccaac cccaaccccc ccggaggggc cagacgcccc ccgcggcgcc gcggctcgcg 128040

actggcggga gccgccgccg ccgccgctgc tgttggtggt ggtgttggtg ttactgctgc 128100

cgtgtggccc gatgggcgcc gaggggggcg ctgtccgagc cgcggccggc tgggggctg 128160

cgtgagacgc cccgcccgtc acgggggggcg cggcggcgcc tctgcgtggg ggggcgcggg 128220

gcgtccggcg gggggcgggc ggtacgtagt ctgctgcaag agacaacggg gggcgcgatc 128280

aggttacgcc ccctcccagg ccctcccttt ccgcgcccgc cctttcctcg ccccccgcc 128340

cgcctattcc tccctccccc ctcctcctcc tcctccccca gggtcctcgc cgccccccg 128400

cctcaccgtc gtccaggtcg tcgtcatcct cgtccgtggt gggctcaggg tgggtgggcg 128460

acagggccct caccgtgtgc ccccccaggg tcaggtaccg cggggcgaac cgctgattgc 128520

ccgtccagat aaagtccacg gccgtgcccg ccctgacggc ctcctcggcc tccatgcggg 128580

tctgggggtc gttcacgatc gggatggtgc tgaacgaccc gctgggcgtc acgcccacta 128640

tcaggtacac cagcttggcg ttgcacagcg ggcaggtgtt gcgcaattgc atccaggttt 128700

tcatgcacgg gatgcagaag cggtgcatgc acgggaaggt gtcgcagcgc aggtggggcg 128760

cgatctcatc cgtgcacacg gcgcacacgt cgccctcgtc gctccccccg tcctctcgag 128820

gggggggcgcc cccgcaactg ccggggtctt cctcgcgggg ggggctcccc cccgagaccg 128880

ccccccccatc cacgccctgc ggccccagca gccccgtctc gaacagttcc gtgtccgtgc 128940

tgtccgcctc ggaggcggag tcgtcgtcat ggtggtcggc gtccccccgc ccccccactt 129000

cggtctccgc ctcagagtcg ctgctgtccg gcaggtctcg gtcgcaggga aacacccaga 129060

catccggggc gggctaaggg gaaaaaaagg ggggcgggta agaatggggg gatttcccgc 129120

gtcaatcagc gcccacgagt tccccctctc ccccccccccg cctcacaaag tcctgccccc 129180

ctgctggcct cggaagaggg gggagaaagg ggtctgcaac caaaggtggt ctgggtccgt 129240

cctttggatc ccgacccctc ttcttccctc ttctcccgcc ctccagacgc accggagtcg 129300

ggggtcccac ggcgtccccc aaatatggcg ggcggctcct ccccacccccc ctagatgcgt 129360

gtgagtaagg gggccctgcg tatgagtcag tggggaccac gccccctaac acggcgaccc 129420

cggtccctgt gtgtttgttg tgggggcgtg tctctgtgta tgagtcaggg ggtcccacgg 129480

cgaccccggg ccctgcgtct gagtcaaagg ggccatgtgt atgtgttggg gggtctgtat 129540

atataaagtc agggggtcac atggcgaccc ccaacagggc gaccccggtc cctgtatata 129600

tagggtcagg gggttccgcg ccccctaaca tggcgccccc ggtccctgta tatatagtgt 129660

cacggggttc cacgcccccct aacatggcgc ccggctcccg tgtatgagtg ggggtccccc 129720

aacatggcgg ccggttccag tgtaagggtc gggggtcccc caacatggcg ccccccaata 129780

tggcgccccc caatatggcg ccccagacat ggcgcccggc ccctcacctc gcgctggggg 129840

cggccctcag gccggcgggt actcgctccg gggcggggct ccatgggggt cgtatgcggt 129900

tggagggtcg cggacggagg gtccctgggg gtcgcaacgt aggcggggct tctgtggtga 129960

tgcggagagg gggcggcccg agtctgcctg gctgctgcgt ctcgctccga gtgccgaggt 130020

gcaaatgcga ccagactgtc gggccagggc taacttatac cccacgcctt tcccctcccc 130080

aaaggggcgg cagtgacgat tcccccaatg gccgcgcgtc ccaggggagg caggcccacc 130140

gcggggcggc cccgtccccg gggaccaacc cggcgccccc aaagaatatc attagcatgc 130200

acggcccggc ccccgatttg ggggaccaac ccggtgtccc ccaaagaacc ccattagcat 130260

gcccctccca ccgacgcaac aggggcttgg cctgcgtcgg tgccccgggg cttcccgcct 130320

tcccgaagaa actcattacc atacccggaa ccccagggga ccaatgcggg ttcattgagc 130380

gacccgcggg ccaatgcgcg agggccgtgt gttccgccaa aaaagcaatt agcataaccc 130440

ggaaccccag gggagtggtt acgcgcggcg cgggaggcgg ggaataccgg ggttgcccat 130500

taagggccgc gggaattgcc ggaagcggga agggcggccg gggccgccca ttaatgagtt 130560

tctaattacc ataccgggaa gcggaacaag gcctcttgca agtttttaat taccataccg 130620

ggaagtgggc ggcccggccc attgggcggt aactcccgcc caatgggccg ggccccgaag 130680

actcggcgga cgctggttgg ccgggccccg ccgcgctggc ggccgccgat tggccagtcc 130740

cgcccccgag gcggcccgcc ctgtgagggc gggctggctc caagcgtata tatgcgcggc 130800

tcctgccatc gtctctccgg atctagagat ctccggaatt aattcgccct atagtgagtc 130860

ggaattttaa ccgccaccgc cagagccacc tccacctgac ccgccgcctc ctagatcttc 130920

ttctgagatg agtttttgtt ctgaattccc gataggaatc cccactgtgt tgacctggtc 130980

cttgagtccc agcaggctgt aggcaatacg cttctggtgg ccaggaagac gcactccgat 131040

ccttttgatg tcttcgttgg acatctgtac caccttctcg atggccgtgt agccagccac 131100

catgaagtgt tccgtgtact gttgcatctt gatgctctcc agccactcgg acaccgtacg 131160

gaaggggact ccctccgagc cgctggtgct gggcagccgg atggacactc ggggatcaaa 131220

gtcagccagc gtcttgaggg agtcgggggc tcggatgagc ttgtccagga tgctaacgat 131280

gtcggcaaac ttgggtcggc gggagcgctc ttgctgccag cactgcatca tgagctggta 131340

aatggctgaa gggcagtcca tgggcgtagg gagccggaag ccgtcgttga tggctttcat 131400

gacctcgtgg tttgacagtt cccagtaggg ccgttcgcca taagtcatca cttcccacat 131460

gacaatgccg tagctccaca catcgctggc tgaggtgaac ttgcggtagg aaatggcctc 131520

tggggctgtc catcgaatag ggatcttgcc gccacttgtg gtgtaggtgg cctcggggtc 131580

atcttccagc acacgcgaca ggccaaaatc ggacaccttg cacaccaggt tgctgttgac 131640

gaggatgttg cgggcggcca ggtcccggtg cacgtagttc atgttggcca ggtacttcat 131700

gccggatgcg atacccctca gcatgcccac caactgaagt acactgaact caccatcctt 131760

ctccctaagg aacttgtcta gcgctccatt ctccatgtac tctgtgataa tcatcatggg 131820

tttgtattta gagaccacgc cctccaggcg gatgatattg tggtggctaa actggcccat 131880

gatgctggcc tcgctcagga agtccacccg ctgcttctca gtgtagcccg ctttcagtgt 131940

cttgatggcc accggtatct ccttcttccc cgaggatgcc ttcagcgtcc ctttatagac 132000

ctctccaaac tctcctgctc caatgacctt ctgccttgcc acacaggatg ggtggatctc 132060

ggtggtaaac ttgagtacag cctggttggg gtcttcgtaa gtgtgaggat ccacataggt 132120

cttcaggggc tttagttgtt ctgacttgga aaaacggaca acttcctttc cctgtgccgc 132180

cgcggccgcc agcgcgcaac cccacagcag cgccaggcag aaaccgactg cccggagctc 132240

catggtcgac ccgggatccg gtaccacttt gtgcggccag cttcctagga gatcctctag 132300

ctagagtcgg tgtcttctat ggaggtcaaa acagcgtgga tggcgtctcc aggcgatctg 132360

acggttcact aaaccagctc tgcttatata gagctcgggg agcagaagcg cgcgaacaga 132420

agcgagaagc gaactgattg gttagttcaa ataaggcaca gggtcatttc aggtccttgg 132480

ggcaccctgg aaacatctga tggttctcta gaaactgctg agggcgggac cgcatctggg 132540

gaccatctgt tcttggccct gagcggggca ggaactgctt accacagata tcctgtttgg 132600

cccatattct cctgttccaa ctgttcttgg ccctgagcgg ggcaggaact gcttaccaca 132660

gatatcctgt ttggcccata ttctcctgtt tctctgttcc tgaccttgat cctagcttgc 132720

caaacctaca ggtggggtct ttcattccca taggcggtta cctgggactg tgcggttggg 132780

acggcgcccg tgggcccggg cggccggggg cggcgggggc cgcgatggcg gcggcggcgg 132840

gccatggaga cagagagcgt gccggggtgg tagagtttga caggcaagca tgtgcgtgca 132900

gaggcgagta gtgcttgcct gtctaactcg ctcgtctcgg ccgcgggggg cccgggctgc 132960

gccgccgcgc tttaaagggc cgcgcgcgac ccccgggggg tgtgtttcgg ggggggcccg 133020

ttttccgctc ctccccccgc tcctcccccc gctcctcccc ccgctcctcc ccccgctcct 133080

cccccgctc ctcccccgc tcctcccccc gctcctcccc ccgctcctcc ccccgctcct 133140

cccccgctc ctcccccgc tcctcccccc gctcctcccc ccgctcctcc ccccgctcct 133200

cccccgctc ctcccccgc tcctcccccc gctcctcccc ccgctcccca acgcccgccg 133260

cgcgcgcgca cgccgcccgg accgccgccc gccttttttg cgcgccgccc cgcccgcggg 133320

gggcccgggc tgccacaggt gtaacaacac caacagaaca ccaacagcac ggcgcaccgg 133380

cgactccggt tcctcatcca cacgtcacac gtcacgtcat ccaccacacc tgcccaccaa 133440

cacaactcac agcgacaact caccgcgcaa caactcctgt tcctcatcca cacgtcaccg 133500

cgcacccccc gctcctccag acgtccccca gcgcaacacg ccgctcctgt cacacaccac 133560

cgccccagcc ctccccagcc ccagccctcc ccagccccag ccctccccgg ccccagccct 133620

ccccggcccc agccctcccc ggccccagcc ctccccggcc ccagccctcc ccggccccag 133680

ccctccccgg ccccagccct ccccggccgc gtcccgcgct ccctcggggg ggttcgggca 133740

tctctacctc agtgccgcca atctcaggtc agagatccaa accctccggg ggcgcccgcg 133800

caccaccacc gcccctcgcc ccctcccgcc cctcgccccc tcccgccccc cgcccccctcc 133860

cgcccctcgc cccctcccgc ccctcgcccc ctcccgcccc tcgcccccctc ccgcccctcg 133920

ccccctcccg cccctcgccc cctcccgccc ctcgcccccc cccgcccctc gcccccctccc 133980

gcccctcgcc ccctcccgcc cctcgccccc tcccgccccc cgcccccctcc cgcccctcgc 134040

cccctcccgc ccctcgcccc ctcccgcccc tcgcccccctc ccgcccctcg cccctcccg 134100

cccctcgccc cctcccgccc ctcgcccccc cccgcccctc gaaataaaca acgctactgc 134160

aaaactaaat caggtcgttg tcgtttattg cgtcttcggg tttcgcaagc gccccgcccc 134220

gtcccggccc gttacagcac cccgtccccc tcgaacgcgc cgccgtcgtc gtcgtcccag 134280

gcgccttccc agtccacaac ttcccgtcgc gggggcgtgg ccaagcccgc ctccgccccc 134340

agcacctcca cggcccccgc cgccgccagc acggtgccgc tgcggcccgt ggccgaggcc 134400

cagcgaatcc cgggcaacgc cggcggcagg gccccc gggc cgtcgtcgtc gtcgtcgccg 134460

ccgcgcagca ccagcggggg ggcgtcgtcg tcgggctcca gcagggcgcg ggcgcaaaag 134520

tccctccgcg gcccgcgcca ccgggccggg ccggcgcgca ccgcctcgcg ccccagcgcc 134580

acgtacacgg gccgcagcgg cgcgcccagg ccccagcgcg cgcaggcgcg gtgcgagtgg 134640

gcctcctcct cgcagaagtc cggcgcgccg ggcgccatgg cgtcggtggt ccccgaggcc 134700

gccgcccggc cgtccagcgc cggcagcacg gcccggcggt actcgcgcgg ggacatgggc 134760

accggcgtgt ccgggccgaa gcgcgtgcgc acgcggtagc gcacgttgcc gccgcggcac 134820

aggcgcagcg gcggcgcgtc ggggtacagg cgcgcgtgcg cggcctccac gcgcgcgaag 134880

acccccgggc cgaacacgcg gcccggggcc agcaccgtgc ggcgcaggtc ccgcgccgcc 134940

ggccagcgca cggcgcactg cacggcgggc agcaggtcgc acgccaggta ggcgtgctgc 135000

cgcgacaccg cgggcccgtc ggcgggccag tcgcaggcgc gcacggtgtt gaccacgatg 135060

agccgccggt cgccggcgct ggcgagcagc cccagaaact ccacggcccc ggcgaaggcc 135120

aggtcccgcg tggacagcag cagcacgccc tgcgcgccca gcgccgacac gtcgggggcg 135180

ccggtccagt tgcccgccca ggcggccgtg tccggcccgc acagccggtt ggccagggcc 135240

gccagcaggc aggacagccc gccgcgctcg gcggaccact ccggcggccc ccccgaggcc 135300

ccgccgccgg ccaggtcctc gcccggcagc ggcgagtaca gcaccaccac gcgcacgtcc 135360

tcggggtcgg ggatctggcg catccaggcc gccatgcggc gcagcgggcc cgaggcgcgc 135420

agggggccaa agaggcggcc cccggcggcc ccgtgggggt gggggttatc gtcgtcgtcg 135480

ccgccgccgc acgcggcctg ggcggcggcg gcgggcccgg cgcaccgcgc ggcgatcgag 135540

gccagggccc gcgggtcaaa catgagggcc ggtcgccagg ggacggggaa cagcgggtgg 135600

tccgtgagct cggccacggc gcgcggggag cagtaggcct ccagggcggc ggccgcgggc 135660

gccgccgtgt ggctgggccc cgggggctgc cgccgccagc cgcccagggg gtcggggccc 135720

tcggcgggcc ggcgcgacag cgccacgggg cgcgggcggg cctgcgccgc ggcggcccgg 135780

ggcgccgcgg gctgggcggg ggcgggctcg ggccccgggg gcgtggaggg gggcgcgggg 135840

agggggcgc gggcgtccga gccgggggcg tccgcgccgc tcttcttcgt cttcgggggt 135900

cgcgggccgc cgcctccggg cggccgggcc gggccgggac tcttgcgctt gcgcccctcc 135960

cgcggcgcgg cggaggcggc ggcggccgcc agcgcgtcgg cggcgtccgg tgcgctggcg 136020

gccgccgcca gcagggggcg caggctctgg ttctcaaaca gcaggtccgc ggcggcggcg 136080

gccgcggagc tcggcaggcg cgggtcccgc ggcagcgcgg ggcccagggc cccggcgacc 136140

aggctcacgg cgcgcacggc ggccacggcg gcctcgctgc cgccggccac gcgcaggtcc 136200

ccgcgcaggc gcatgagcac cagcgcgtcg cgcacgaacc gcagctcgcg cagccacgcg 136260

cgcaggcggg gcgcgtcggc gtgcggcggc ggcggggaag cggggcccgc gggtccctcc 136320

ggccgcgggg ggctggcggg ccgggccccg gccagccccg ggacggccgc caggtcgccg 136380

tcgaagccct cggccagcgc ctccaggatc ccgcggcagg cggccaggca ctccacggcc 136440

acgcggccgg cctgggcgcg gcgcccggcg tcgtcgtcgg cgtcggcgtg gcgggcggcg 136500

tcggggtcgt cgcccccgc gggggaggcg ggcgcggcgg acagccgccc cagggcggcg 136560

aggatccccg cggcgccgta cccggcgggc accgcgcgct cgcccggtgc ggcggcggcg 136620

gcgacgacgg cggcggcgac cccctcgtca tctgcgccgg cgccggggct ccccgcggcc 136680

cccgtcagcg ccgcgttctc gcgcgccaac aggggcgcgt aggcgcggcg caggctggtc 136740

agcaggaagc ccttctgcgc gcggtcgtat cggcggctca tggccacggc ggccgccgcg 136800

tgcgccaggc cccagccgaa gcggccggcc gccatggcgt agcccaggtg gggcacggcc 136860

cgcgccacgc tgccggtgat gaaggagctg ctgttgcgcg cggcgcccga gatccggaag 136920

caggcctggt ccagcgccac gtccccgggg accacgcgcg ggttctggag ccaccccatg 136980

gcctccgcgt ccggggtgta cagcagccgc gtgatcaggg cgtactgctg cgcggcgtcg 137040

cccagctcgg gcgcccacac ggccgccggg gcgcccgagg cctcgaaccg gcgtcgcgcc 137100

tcctccgcct cgggcgcccc ccagaggccc gggcggctgt cgcccaggcc gccgtacagc 137160

acccgccccg ggggcggggg cccggcgccg ggccacggct ccccgctgac gtacccgtcg 137220

cgatagcgcg cgtagaaggc gccggaggcc gcgtcggcgt ccagctcgac ccgccggggc 137280

tgcccggccg tgaagcggcc cgtggcgtcg cggccggcca ccgccgcgcg ggcccggcgg 137340

cgctcgatgc ggcccgcgga ggccgcgggg gtcctcgccg ccgcccgggg cttgggcgcg 137400

gcctcggaga gggggggtgg cccgggcggg ggcggcgtcc gcccgggggc ttccggcgcc 137460

gcgctcgacg gaccccgccc gacggcccgc gcctcgcgtg cgcggtcggc cgcgtcgttg 137520

ccgtcgtcgt cctcgtcctc gtcggacgac gaggacgaag aggatgcgga cgacgaggac 137580

gaggacccgg agtccgacga ggtcgatgac gccgatggcc gccgccggcc gtgacgacgt 137640

ctccgcggcg gctgggccgg cgggcgcggc gacaggcggt ccgtggggtc cggatacgcg 137700

ccgcgtagcg gggcctcccg tgcgcggccc cgggccgggg cccggtcgcc ggcggcgtcg 137760

gctgcgtcgt cgtactcgtc cccgtcatcg tcgtcggctc gaaaggcggg ggtccggggc 137820

ggcgaggccg cggggtcggg cgtcgggatc gtccggacgg cctcctctac catggaggcc 137880

agcagggcca gctgtcgcgg cgagacggcg tccccggcgt cctcgccggc gtcggtgccc 137940

gccgcggggg ccctcccgtc ccgccgggcg tcgtcgaggt cgtgggggtg gtcggggtcg 138000

tggtcggggt cgtccccgcc ctcctccgtc tccgcgcccc acccgagggc cccccgctcg 138060

tcgcggtctg ggctcggggt gggcggcggc ccgtcggtgg ggcccgggga gccggggcgc 138120

tgcttgttct ccgacgccat cgccgatgcg gggcgatcct ccggggatac ggctgcgacg 138180

gcggacgtag cacggtaggt cacctacgga ctctcgatgg ggagggggcg agacccacgg 138240

accccgacga cccccgccgt cgacgcggaa ctagcgcgga ccggtcgatg cttgggtggg 138300

aaaaaggaca gggacggccg atccccctcc cgcgcttcgt ccgcgtatcg gcgtcccggc 138360

gcggcgagcg tctgacggtc tgtctctggc ggtcccgcgt cgggtcgtgg atccgtgtcg 138420

gcagccgcgc tccgtgtgga cgatcggggc gtcctcgggc tcatatagtc ccaggggccg 138480

gcgggaagga ggagcagcgg aggccgccgg ccccccgccc cccaggcggg cccgccccga 138540

acggaattcc attatgcacg accccgcccc gacgccggca cgccgggggc ccgtggccgc 138600

ggcccgttgg tcgaaccccc ggccccgccc atccgcgcca tctgccatgg gcggggcgcg 138660

agggcgggtg ggcccgcgcc ccgccccgca tggcatctca ttaccgcccg atccggtggt 138720

ttccgcttcc gttccgcatg ctaacgagga acgggccggg ggcggggccc gggccccgac 138780

ttcccggttc ggcggtaatg agatacgagc cccgcgcgcc cgttggccgt ccccgggccc 138840

ccggtcccgc ccgccggacg ttgggaccaa cgggacggcg ggcggcccaa gggccgcccg 138900

ccttgccgcc cccccattgg ccggcgggcg ggaccgcccc aaggggggcgg ggccgccggg 138960

taaaagaagt gagaacgcga agcgttcgca cttcgtccca atatatatat attattaggg 139020

cgaagtgcga gcactggcgc cgtgcccgac tccgcgccgg ccccgggggc gggcccgggc 139080

ggcgggggggc gggtctctcc ggcgcacata aaggcccggc gcgaccgacg cccgcagacg 139140

gcgccggcca cgaacgacgg gagcggctgc ggagcacgcg gaccgggagc gggactcgca 139200

gagggccgtc ggagcggacg gcgtcggcat cgcgacgccc cggctcggga tcgggatcgc 139260

atcggaaagg gacacgcgga aagacccacc caccccaccc acgaaacaca ggggacgcac 139320

cccgggggcc tccgacgaca gaaacccacc ggtccgcctt tgtgcacggg taagcacctt 139380

gggtgggcgg aggaggggg gacgcggggg cggaggaggg gggacgcggg ggcggaggag 139440

gggggacgcg ggggcggagg agggggacg cgggggcgga ggaggggga cgcgggggcg 139500

gaggaggggg ctcacccgcg ttcgtgcctt cccgcaggag gaacgtcctc gtcgaggcga 139560

ccggcggcga ccgttgcgtg gaccgcttcc tgctcgtcgg gcgggggaa gccactgtgg 139620

tcctccggga cgttttctgg atggccgaca tttccccagg cgcttttgcg ccttgtgtaa 139680

aagcgcggcg tcccgctctc cgatccccgc ccctgggcac gcgcaagcgc aagcgccctt 139740

cccgcccccc ctcatcggag tctgaggtag aatccgatac agccttggag tctgaggtcg 139800

aatccgagac agcatcggat tcgaccgagt ctggggacca ggatgaagcc ccccgcatcg 139860

gtggccgtag ggcccccggg aggcttgggg ggcggttttt tctggacatg tcggcggaat 139920

ccaccacggg gacggaaacg gatgcgtcgg tgtcggacga ccccgacgac acgtccgact 139980

ggtcttatga cgacattccc ccacgaccca agcgggcccg ggtaaacctg cggctcacga 140040

gctctcccga tcggcgggat ggggttattt ttcctaagat ggggcgggtc cggtctaccc 140100

gggaaacgca gccccgggcc cccaccccgt cggccccaag cccaaatgca atgctacggc 140160

gctcggtgcg ccaggcccag aggcggagca gcgcacgatg gacccccgac ctgggctaca 140220

tgcgccagtg tatcaatcag ctgtttcggg tcctgcgggt cgcccgggac ccccacggca 140280

gtgccaaccg cctgcgccac ctgatacgcg actgttacct gatgggatac tgccgagccc 140340

gtctggcccc gcgcacgtgg tgccgtttgc tgcaggtgtc cggcggaacc tggggcatgc 140400

acctgcgcaa caccatacgg gaggtggagg ctcgattcga cgccaccgcg gaacccgtgt 140460

gcaagcttcc ttgtttggag accagacggt acggcccgga gtgtgatctt agtaatctcg 140520

agattcatct cagcgcgaca agcgatgatg aaatctccga tgccaccgat ctggaggccg 140580

ccggttcgga ccacacgctc gcgtcccagt ccgacacgga ggatgccccc tcccccgtta 140640

cgctggaaac cccagaaccc cgcgggtccc tcgctgtgcg tctggaggat gagtttgggg 140700

agtttgactg gacccccccag gagggctccc agccctggct gtctgcggtc gtggccgata 140760

ccagctccgt ggaacgcccg ggcccatccg attctggggc gggtcgcgcc gcagaagacc 140820

gcaagtgtct ggacggctgc cggaaaatgc gcttctccac cgcctgcccc tatccgtgca 140880

gcgacacgtt tctccggccg tgagtccggt cgccccgacc cccttgtatg tccccaaata 140940

aaagaccaaa atcaaagcgt ttgtcccagc gtcttaatgg cgggaagggc ggagagaaac 141000

agaccacgcg tacatggggg gtgtttgggg gtttattgac atcggggcta cagggtggta 141060

accggatagc agatgtgagg aagtctgggc cgttcgccgc gaacggcgat cagagggtcc 141120

gtttcttgcg gaccacggcc cggtgatgtg ggttgctcgt ctgggatctc gggcatgccc 141180

atacacgcac aacacggacg ccgcaccgga tgggacgtcg taaggggggcc tggggtagct 141240

gggtggggtt tgtgcagagc aatcagggac cgcagccagc gcatacaatc gcgctcccgt 141300

ccgtttgtcc cgggcagtac cacgccgtac tggtattcgt accggctgag cagggtctcc 141360

agggggtggt tgggggccgc ggggaacggg gtccacgcca cggtccactc gggcaaaaac 141420

cgagtcggca cggcccacgg ttctcccacc cacgcgtctg gggtcttgat ggcgataaat 141480

cttaccccga gccggatttt ttgggcgtat tcgagaaacg gcacacacag atccgccgcg 141540

cctaccaccc acaagtggta gaggcgaggg gggctgggtt ggtctcggtg cagcagtcgg 141600

aagcacgcca cggcgtccac gacctcggtg ctctccaagg ggctgtcctc cgcaaacagg 141660

cccgtggtgg tgtttggggg gcagcgacag gacctagtgc gcacgatcgg gcgggtgggt 141720

ttgggtaagt ccatcagcgg ctcggccaac cgtcgaaggt tggccggacg aacgacgacc 141780

ggggtaccca ggggttctga tgccaaaatg cggcactgcc taagcaggaa gctccacagg 141840

gccgggcttg cgtcgacgga agtccggggc agggcgttgt tctggtcaag gagggtcatt 141900

acgttgacga caacaacgcc catgttggta tattacaggc ccgtgtccga tttggggcac 141960

ttgcagattt gtaaggccac gcacggcggg gagacaggcc gacgcggggg ctgctctaaa 142020

aatttaaggg ccctacggtc cacagacccg ccttcccggg ggggcccttg gagcgaccgg 142080

cagcggaggc gtccggggga ggggagggtg atttacgggg gggtaggtca gggggtgggt 142140

cgtcaaactg ccgctcctta aaaccccggg gcccgtcgtt cggggtgctc gttggttggc 142200

actcacggtg cggcgaatgg cctgtcgtaa gttttgtcgc gtttacgggg gacagggcag 142260

gaggaaggag gaggccgtcc cgccggagac aaagccgtcc cgggtgtttc ctcatggccc 142320

cttttatacc ccagccgagg acgcgtgcct ggactccccg cccccggaga cccccaaacc 142380

ttcccacacc acaccacccg gcgatgccga gcgcctgtgt catctgcagg agatcctggc 142440

ccagatgtac ggaaaccagg actaccccat agaggacgac cccagcgcgg atgccgcgga 142500

cgatgtcgac gaggacgccc cggacgacgt ggcctatccg gaggaatacg cagaggagct 142560

ttttctgccc ggggacgcgc ccggtcccct tatcggggcc aacgaccaca tccctccccc 142620

gtgtggcgca tctccccccg gtatacgacg acgcagccgg gatgagattg gggccacggg 142680

atttaccgcg gaagaactgg acgccatgga cagggaggcg gctcgagcca tcagccgcgg 142740

cggcaagccc ccctcgacca tggccaagct ggtgactggc atgggcttta cgatccacgg 142800

agcgctcacc ccaggatcgg aggggtgtgt ctttgacagc agccacccag attaccccca 142860

acgggtaatc gtgaaggcgg ggtggtacac gagcacgagc cacgaggcgc gactgctgag 142920

gcgactggac caccccgcga tcctgcccct cctggacctg catgtcgtct ccggggtcac 142980

gtgtctggtc ctccccaagt accaggccga cctgtatacc tatctgagta ggcgcctgaa 143040

cccgctggga cgcccgcaga tcgcagcggt ctcccggcag ctcctaagcg ccgttgacta 143100

cattcaccgc cagggcatta tccaccgcga cattaagacc gaaaatattt ttattaacac 143160

ccccgaggac atttgcctgg gggactttgg tgccgcgtgc ttcgtgcagg gttcccgatc 143220

aagccccttc ccctacggaa tcgccggaac catcgacacc aacgcccccg aggtcctggc 143280

cggggatccg tataccacca ccgtcgacat ttggagcgcc ggtctggtga tcttcgagac 143340

tgccgtccac aacgcgtcct tgttctcggc cccccgcggc cccaaaaggg gcccgtgcga 143400

cagtcagatc acccgcatca tccgacaggc ccaggtccac gttgacgagt tttccccgca 143460

tccagaatcg cgcctcacct cgcgctaccg ctcccgcgcg gccgggaaca atcgcccgcc 143520

gtacacccga ccggcctgga cccgctacta caagatggac atagacgtcg aatatctggt 143580

ttgcaaagcc ctcaccttcg acggcgcgct tcgccccagc gccgcagagc tgctttgttt 143640

gccgctgttt caacagaaat gaccgccccc agggggcggt gctgtttgcg ggttggcaca 143700

aaaagacccc gacccgcgtc tgtggtgttt ttggcatcat gtcgccgggc gccatgcgtg 143760

ccgttgttcc cattatccca ttccttttgg ttcttgtcgg tgtatcgggg gttcccacca 143820

acgtctcctc caccacccaa ccccaactcc agaccaccgg tcgtccctcg catgaagccc 143880

ccaacatgac ccagaccggc accaccgact ctcccaccgc catcagcctt accacgcccg 143940

accacacacc ccccatgcca agtatcggac tggaggagga ggaagaggag gagggggccg 144000

gggacggcga acatcttgag gggggagatg ggacccgtga caccctaccc cagtccccgg 144060

gcccagcctt cccgttggct gaggacgtcg agaaggacaa acccaaccgt cccgtagtcc 144120

catcccccga tcccaacaac tcccccgcgc gccccgagac cagtcgcccg aagacacccc 144180

ccaccattat cgggccgctg gcaactcgcc ccacgacccg actcacctca aagggacgac 144240

ccttggttcc gacgcctcaa catacccccgc tgttctcgtt cctcactgcc tcccccgccc 144300

tggacaccct cttcgtcgtc agcaccgtca tccacacctt atcgtttttg tgtattggtg 144360

cgatggcgac acacctgtgt ggcggttggt ccagacgcgg gcgacgcaca caccctagcg 144420

tgcgttacgt gtgcctgccg tccgaacgcg ggtagggtat ggggcggggg atggggagag 144480

cccacacgcg gaaagcaaga acaataaagg cggtggtatc tagttgatat gcatctctgg 144540

gtgtttttgg ggtgtggcgg acgcggggcg gtcattggac ggggtgcagt taaatacatg 144600

cccgggaccc atgaagcatg cgcgacttcc gggcctcgga acccacccga aacggccaac 144660

ggacgtctga gccaggcctg gctatccgga gaaacagcac acgacttggc gttctgtgtg 144720

tcgcgatgtc tctgcgcgca gtctggcatc tggggctttt gggaagcctc gtgggggctg 144780

ttcttgccgc cacccatcgg ggacctgcgg ccaacacaac ggacccctta acgcacgccc 144840

cagtgtcccc tcaccccagc cccctggggg gctttgccgt ccccctcgta gtcggtgggc 144900

tgtgcgccgt agtcctgggg gcggcgtgtc tgcttgagct cctgcgtcgt acgtgccgcg 144960

ggtgggggcg ttaccatccc tacatggacc cagttgtcgt ataatttccc ccccccccccc 145020

ccttctccgc atgggtgatg tcgggtccaa actcccgaca ccaccagctg gtatggtata 145080

aatcaccggt gcgcccccca aaccatgtcc ggcaggggga tgggggggcg aatgcggagg 145140

gcacccaaca acaccgggct aaccaggaaa tccgtggccc cggcccccaa taaagatcgc 145200

ggtagcccgg ccgtgtgaca ctatcgtcca taccgaccac accgacgaat cccctaaggg 145260

ggaggggcca ttttacgagg aggaggggta taacaaagtc tgtctttaaa aagcaggggt 145320

tagggagttg ttcggtcata agcttcagcg cgaacgacca actaccccga tcatcagtta 145380

tccttaaggt ctcttttgtg tggtgcgttc cggtatgggg ggggctgccg ccaggttggg 145440

ggccgtgatt ttgtttgtcg tcatagtggg cctccatggg gtccgcggca aatatgcctt 145500

ggcggatgcc tctctcaaga tggccgaccc caatcgcttt cgcggcaaag accttccggt 145560

cctggaccag ctgaccgacc ctccgggggt ccggcgcgtg taccacatcc aggcgggcct 145620

accggacccg ttccagcccc ccagcctccc gatcacggtt tactacgccg tgttggagcg 145680

cgcctgccgc agcgtgctcc taaacgcacc gtcggaggcc ccccagattg tccgcggggc 145740

ctccgaagac gtccggaaac aaccctacaa cctgaccatc gcttggtttc ggatgggagg 145800

caactgtgct atccccatca cggtcatgga gtacaccgaa tgctcctaca acaagtctct 145860

gggggcctgt cccatccgaa cgcagccccg ctggaactac tatgacagct tcagcgccgt 145920

cagcgaggat aacctggggt tcctgatgca cgccccgcg tttgagaccg ccggcacgta 145980

cctgcggctc gtgaagataa acgactggac ggagattaca cagtttatcc tggagcaccg 146040

agccaagggc tcctgtaagt acgccctccc gctgcgcatc cccccgtcag cctgcctgtc 146100

cccccaggcc taccagcagg gggtgacggt ggacagcatc gggatgctgc cccgcttcat 146160

ccccgagaac cagcgcaccg tcgccgtata cagcttgaag atcgccgggt ggcacgggcc 146220

caaggcccca tacacgagca ccctgctgcc cccggagctg tccgagaccc ccaacgccac 146280

gcagccagaa ctcgccccgg aagaccccga ggattcggcc ctcttggagg accccgtggg 146340

gacggtggcg ccgcaaatcc caccaaactg gcacataccg tcgatccagg acgccgcgac 146400

gccttaccat cccccggcca ccccgaacaa catgggcctg atcgccggcg cggtgggcgg 146460

cagtctcctg gcagccctgg tcatttgcgg aattgtgtac tggatgcgcc gccgcactca 146520

aaaagcccca aagcgcatac gcctcccccа catccgggaa gacgaccagc cgtcctcgca 146580

ccagcccttg ttttactaga tacccccccc taatgggtgc ggggggggtca ggtctgcggg 146640

gttgggatgg gaccttaact ccatataaag cgagtctgga agggggggaaa ggcggacagt 146700

cgataagtcg gtagcggggg acgcgcacct gttccgcctg tcgcacccac agctttttttt 146760

gcgaaccgtc ccgttccggg atgccgtgcc gcccgttgca gggcctggtg ctcgtgggcc 146820

tctgggtctg tgccaccagc ctggttgtcc gtggccccac ggtcagtctg gtatcaaact 146880

catttgtgga cgccggggcc ttggggcccg acggcgtagt ggaggaagac ctgcttattc 146940

tcggggagct tcgctttgtg ggggaccagg tcccccacac cacctactac gatggggtcg 147000

tagagctgtg gcactacccc atgggacaca aatgcccacg ggtcgtgcat gtcgtcacgg 147060

tgaccgcgtg cccacgtcgc cccgccgtgg ctttcgccct gtgtcgcgca accgacagca 147120

ctcacagccc cgcatatccc accctggagc tgaatctggc ccaacagccg cttttgcggg 147180

tccggagggc gacgcgtgac tatgccgggg tgtacgtgtt acgcgtatgg gtcggggacg 147240

caccaaacgc cagcctgttt gtcctgggga tggccatagc cgccgaaggg actctggcgt 147300

acaacggctc ggcccatggc tcctgcgacc cgaaactgct tccgtattcg gccccgcgtc 147360

tggccccggc gagcgtatac caacccgccc ctaacccggc ctccaccccc tcgaccacca 147420

cctccacccc ctcgaccacc acctccaccc cctcgaccac catccccgct ccccaagcat 147480

cgaccacacc cttccccacg ggagacccaa aaccccaacc tcacggggtc aaccacgaac 147540

ccccatcgaa tgccacgcga gcgacccgcg actcgcgata cgcgctaacg gtgacccaga 147600

taatccagat agccatcccc gcgtccatta tagccctggt gtttctgggg agctgtattt 147660

gctttataca cagatgtcaa cgccgctacc gacgctcccg ccgcccgatt tacaaccccc 147720

agatacccac tggcatctca tgcgcggtga acgaagcggc catggcccgc ctcggagccg 147780

agctcaaatc gcatccgagc acccccccca aatcccggcg ccggtcgtca cgcacaccaa 147840

tgccctccct gacggccatc gccgaagagt cggagcccgc gggggcggct gggcttccga 147900

cgccccccgt ggaccccacg acatccaccc caacgcctcc cctgttggta taggtccacg 147960

gccactggcc gggggcacca cataaccgac cgcagtcact gagttgggaa taaaccggta 148020

ttatttacct atatacgtgt atgtccattt cttccccccc ccccccggaa accaaagaag 148080

gaaacaaaga atggatggga ggagttcagg aagccgggga gagggcccgc ggcgcattta 148140

aggcgttgtt gtgttgactt tggctcttct ggcgggttgg tgcggtgctg tttgttgggc 148200

tcccatttta cccgaagatc ggctgctatc cccgggacat ggatcgcggg gcggtggtgg 148260

ggtttcttct cggtgtttgt gttgtatcgt gcttggcggg aacgcccaaa acgtcctgga 148320

gacgggtgag tgtcggcgag gacgtttcgt tgcttccagc tccggggcct acggggcgcg 148380

gcccgaccca gaaactacta tgggccgtgg aacccctgga tgggtgcggc cccttacacc 148440

cgtcgtgggt ctcgctgatg ccccccaagc aggtgcccga gacggtcgtg gatgcggcgt 148500

gcatgcgcgc tccggtcccg ctggcgatgg cgtacgcccc cccggcccca tctgcgaccg 148560

ggggtctacg gacggacttc gtgtggcagg agcgcgcggc cgtggttaac cggagtctgg 148620

ttatttacgg ggtccgagag acggacagcg gcctgtatac cctgtctgtg ggcgacataa 148680

aggacccggc tcgccaagtg gcctcggtgg tcctggtggt gcaaccggcc ccagttccga 148740

ccccaccccc gaccccagcc gattacgacg aggatgacaa tgacgagggc gagggcgagg 148800

acgaaagtct agccggcact cccgccagcg ggacccccg gctcccgcct ccccccgccc 148860

ccccgaggtc ttggcccagc gcccccgaag tctcacacgt gcgtggggtg accgtgcgta 148920

tggagactcc ggaagctatc ctgttttccc ccggggaggc gtttagcacg aacgtctcca 148980

tccatgccat cgcccacgac gaccagacct acaccatgga cgtcgtctgg ttgaggttcg 149040

acgtgccgac ctcgtgtgcc gagatgcgaa tatacgaatc gtgtctgtat cacccgcagc 149100

tcccagagtg tctgtccccg gccgacgctc cgtgcgccgc gagtacgtgg acgtctcgcc 149160

tggccgtccg cagctacgcg gggtgttcca gaacaaaccc cccgccgcgc tgttcggccg 149220

aggctcacat ggagcccttc ccggggctgg cgtggcaggc ggcctccgtc aatctggagt 149280

tccgggacgc gtccccacaa cactccggcc tgtatctgtg cgtggtgtac gtcaacgacc 149340

atattcacgc atggggccac attaccatca gcaccgcggc gcagtaccgg aacgcggtgg 149400

tggaacagcc cctcccacag cgcggcgcgg atttggccga gcccacccac ccgcacgtcg 149460

gggcccctcc ccacgcgccc ccaacccacg gcgccctgcg gttaggggcg gtgatggggg 149520

ccgccctgct gctgtctgcg ctggggttgt cggtgtgggc gtgtatgacc tgttggcgca 149580

ggcgtgcctg gcgggcggtt aaaagcaggg cctcgggtaa ggggcccacg tacattcgcg 149640

tggccgacag cgagctgtac gcggactgga gctcggacag cgagggagaa cgcgaccagg 149700

tcccgtggct ggcccccccg gagagacccg actctccctc caccaatgga tccggctttg 149760

agatcttatc accaacggct ccgtctgtat acccccgtag cgatgggcat caatctcgcc 149820

gccagctcac aacctttgga tccggaaggc ccgatcgccg ttactcccag gcctccgatt 149880

cgtccgtctt ctggtaaggc gccccatccc gaggccccac gtcggtcgcc gaactgggcg 149940

accgccggcg aggtggacgt cggagacgag ctaatcgcga tttccgacga acgcggaccc 150000

ccccgacatg accgcccgcc cctcgccacg tcgaccgcgc cctcgccaca cccgcgaccc 150060

ccgggctaca cggccgttgt ctccccgatg gccctccagg ctgtcgacgc cccctccctg 150120

tttgtcgcct ggctggccgc tcggtggctc cgggggggctt ccggcctggg ggccgtcctg 150180

tgtgggattg cgtggtatgt gacgtcaatt gcccgaggcg cataaagggc cggtggtccg 150240

cctagccgca gcaaattaaa aatcgtgagt cactgcgacc gcaacttccc acccggagct 150300

ttcttccggc ctcgatgacg tcccggctct ccgatcccaa ctcctcagcg cgatccgaca 150360

tgtccgtgcc gctttatccc acggcctcgc cagtttcggt cgaagcctac tactcggaaa 150420

gcgaagacga ggcggccaac gacttcctcg tacgcatggg ccgccaacag tcggtattaa 150480

ggcgtcgacg cagacgcacc cgctgcgtcg gcatggtgat cgcctgtctc ctcgtggccg 150540

ttctgtcggg cggatttggg gcgctcctga tgtggctgct ccgctaaaag accgcatcga 150600

cacgcgcgtc cttcttgtcg tctctcttcc cccccatcac cccgcaattt gcacccagcc 150660

tttaactaca ttaaattggg ttcgattggc aatgttgtct cccggttgat ttttgggtgg 150720

gtggggagtg ggtgggtggg gagtgggtgg gtggggagtg ggtgggtggg gagtgggtgg 150780

gtggggagtg ggtgggtggg gagtgggtgg gtggggagtg ggtgggtggg gagtgggtgg 150840

gtggggagtg ggtgggtggg gagtggcaag gaagaaacaa gcccgaccac cagacagaaa 150900

atgtaaccat acccaaaccg actctggggg ctgtttgtgg ggtcggaacc ataggatgaa 150960

caaaccaccc cgtacctccc gcacccttgg gtgcgggtgg ctcatcggca tctgtccggt 151020

atgggttgtt ccccacccac ttgcgttcgg acgtcttaga atcatggcgg ttttctatgc 151080

cgacatcggt tttctccccc gcaataagac acgatgcgat aaaatctgtt tgtgaaattt 151140

attaagggta caaattgccc tagcacaggg gtggggttag ggccgggtcc ccacacccaa 151200

acgcaccaaa cagatgcagg cagtgggtcg agtacagccc cgcgtacgaa cacgtcgatg 151260

cgtgtgtcag acagcaccag aaagcacagg ccatcaacag gtcgtgcata tgtcggtggg 151320

tttggacgcg gggggccatg gtggtgataa agttaatggc cgccgtccgc cagggccaca 151380

ggggcgacgt ctcttggttg gcccggagcc actgggtgtg gaccagccgc gcgtggcggc 151440

ccaacatggc ccctgtagcc gggggcgggg gatcgcgcac gtttgcagcg cacatgcgag 151500

acacctcgac cacggttcgg aagaaggccc ggtggtccgc gggcaacatc accaggtgcg 151560

caagcgcccg ggcgtccaga gggtagagcc ctgagtcatc cgaggttggc tcatcgcccg 151620

ggtcatgccg caagtgcgtg tgggttgggc ttccggtggg cgggacgcga accgcggtgt 151680

ggagccctac gcgggcccga gcgtacgctc catcttgtgg ggagaagggg tctgggctcg 151740

ccaggggggc atacttgccc gggctataca gacccgcgag ccgtacgtgg ttcgcggggg 151800

gtgcgtgggg tccggggctc ccggggaggc cggggctccc ggggttgtcg tggatccctg 151860

gggtcacgcg gtaccctggg gtctctggga gctcgcggta ctctgggttc cctaggttct 151920

cggggtggtc gcggaacccg gggctcccgg ggaacacgcg gtgtcctggg gattgttggc 151980

ggtcggacgg cttcagatgg cttcgagatc gtagtgtccg caccgactcg tagtagaccc 152040

gaatctccac attgccccgc cgcttgatca ttatcacccc gttgcggggg tccggagatc 152100

atgcgcgggt gtcctcgagg tgcgtgaaca cctctggggt gcatgccggc ggacggcacg 152160

ccttttaagt aaacatctgg gtcgcccggc ccaactgggg ccgggggttg ggtctggctc 152220

atctcgagag ccacgggggg aaccaccctc cgcccagaaa cttgggcgat ggtcgtaccc 152280

gggactcaac gggttaccgg attacgggga ctgtcggtca cggtcccgcc ggttcttcga 152340

tgtgccacac ccaaggatgc gttgggggcg attttgggca gcagcccggg agagcgcagc 152400

agaggacgct ccgggtcgtg cacggcggtt ttggccgcct cccggtcctc acgccccctt 152460

ttattgatct catcgcgtac gtcggcgtac gtcctgggcc caacccgcat gttgtccagg 152520

aaggtgtccg ccatttccag ggcccacgac atgctccccc gcccgacgag caggaagcgg 152580

tccacgcaac ggtcgccgcc ggtcgccccg acgagcagga agcggtccac gcaacggtcg 152640

ccgccggtcg cctcgacgag gacgttcctc ctgcgggaag gcacgaacgc gggtgagccc 152700

cctcctccgc ccccgcgtcc cccctcctcc gcccccgcgt ccccccctcct ccgccccgc 152760

gtcccccctc ctccgccccc gcgtcccccc tcctccgccc ccgcgtcccc cctcctccgc 152820

ccccgcgtcc cccctcctcc acccccgcgt ccccccctcc tccgcccacc caaggtgctt 152880

acccgtgcac aaaggcggac cggtgggttt ctgtcgtcgg aggcccccgg ggtgcgtccc 152940

ctgtgtttcg tgggtggggt gggtgggtct ttccgcgtgt ccctttccga tgcgatcccg 153000

atcccgagcc ggggcgtcgc gatgccgacg ccgtccgctc cgacggccct ctgcgagtcc 153060

cgctcccggt ccgcgtgctc cgcagccgct cccgtcgttc gtggccggcg ccgtctgcgg 153120

gcgtcggtcg cgccgggcct ttatgtgcgc cggagagacc cgccccccgc cgcccgggcc 153180

cgcccccggg gccggcgcgg agtcgggcac ggcgccagtg ctcgcacttc gccctaataa 153240

tatatatata ttgggacgaa gtgcgaacgc ttcgcgttct cacttctttt acccggcggc 153300

cccgccccct tggggcggtc ccgcccgccg gccaatgggg gggcggcaag gcgggcggcc 153360

cttgggccgc ccgccgtccc gttggtccca acgtccggcg ggcgggaccg ggggcccggg 153420

gacggccaac gggcgcgcgg ggctcgtatc tcattaccgc cgaaccggga agtcggggcc 153480

cgggccccgc ccccggcccg ttcctcgtta gcatgcggaa cggaagcgga aaccaccgga 153540

tcgggcggta atgagatgcc atgcggggcg gggcgcgggc ccacccgccc tcgcgccccg 153600

cccatggcag atggcgcgga tgggcggggc cgggggttcg accaacgggc cgcggccacg 153660

ggcccccggc gtgccggcgt cggggcgggg tcgtgcataa tggaattccg ttcggggcgg 153720

gcccgcctgg ggggcggggg gccggcggcc tccgctgctc ctccttcccg ccggcccctg 153780

ggactatatg agcccgagga cgccccgatc gtccacacgg agcgcggctg ccgacacgga 153840

tccacgaccc gacgcgggac cgccagagac agaccgtcag acgctcgccg cgccgggacg 153900

ccgatacgcg gacgaagcgc gggaggggga tcggccgtcc ctgtcctttt tcccacccaa 153960

gcatcgaccg gtccgcgcta gttccgcgtc gacggcgggg gtcgtcgggg tccgtgggtc 154020

tcgccccctc cccatcgaga gtccgtaggt gacctaccgt gctacgtccg ccgtcgcagc 154080

cgtatccccg gaggatcgcc ccgcatcggc gatggcgtcg gagaacaagc agcgccccgg 154140

ctccccgggc cccaccgacg ggccgccgcc caccccgagc ccagaccgcg acgagcgggg 154200

ggccctcggg tggggcgcgg agacggagga gggcggggac gaccccgacc acgaccccga 154260

ccacccccac gacctcgacg acgcccggcg ggacgggagg gcccccgcgg cgggcaccga 154320

cgccggcgag gacgccgggg acgccgtctc gccgcgacag ctggccctgc tggcctccat 154380

ggtagaggag gccgtccgga cgatcccgac gcccgacccc gcggcctcgc cgccccggac 154440

ccccgccttt cgagccgacg acgatgacgg ggacgagtac gacgacgcag ccgacgccgc 154500

cggcgaccgg gccccggccc ggggccgcgc acgggaggcc ccgctacgcg gcgcgtatcc 154560

ggaccccacg gaccgcctgt cgccgcgccc gccggcccag ccgccgcgga gacgtcgtca 154620

cggccggcgg cggccatcgg cgtcatcgac ctcgtcggac tccgggtcct cgtcctcgtc 154680

gtccgcatcc tcttcgtcct cgtcgtccga cgaggacgag gacgacgacg gcaacgacgc 154740

ggccgaccgc gcacgcgagg cgcgggccgt cgggcggggt ccgtcgagcg cggcgccgga 154800

agcccccggg cggacgccgc ccccgcccgg gccacccccc ctctccgagg ccgcgcccaa 154860

gccccgggcg gcggcgagga cccccgcggc ctccgcgggc cgcatcgagc gccgccgggc 154920

ccgcgcggcg gtggccggcc gcgacgccac gggccgcttc acggccgggc agccccggcg 154980

ggtcgagctg gacgccgacg cggcctccgg cgccttctac gcgcgctatc gcgacgggta 155040

cgtcagcggg gagccgtggc ccggcgccgg gcccccgccc ccggggcggg tgctgtacgg 155100

cggcctgggc gacagccgcc cgggcctctg gggggcgccc gaggcggagg aggcgcgacg 155160

ccggttcgag gcctcgggcg ccccggcggc cgtgtgggcg cccgagctgg gcgacgccgc 155220

gcagcagtac gccctgatca cgcggctgct gtacaccccg gacgcggagg ccatggggtg 155280

gctccagaac ccgcgcgtgg tccccgggga cgtggcgctg gaccaggcct gcttccggat 155340

ctcgggcgcc gcgcgcaaca gcagctcctt catcaccggc agcgtggcgc gggccgtgcc 155400

ccacctgggc tacgccatgg cggccggccg cttcggctgg ggcctggcgc acgcggcggc 155460

cgccgtggcc atgagccgcc gatacgaccg cgcgcagaag ggcttcctgc tgaccagcct 155520

gcgccgcgcc tacgcgcccc tgttggcgcg cgagaacgcg gcgctgacgg gggccgcggg 155580

gagccccggc gccggcgcag atgacgaggg ggtcgccgcc gccgtcgtcg ccgccgccgc 155640

cgcaccgggc gagcgcgcgg tgcccgccgg gtacggcgcc gcggggatcc tcgccgccct 155700

ggggcggctg tccgccgcgc ccgcctcccc cgcgggggggc gacgaccccg acgccgcccg 155760

ccacgccgac gccgacgacg acgccgggcg ccgcgcccag gccggccgcg tggccgtgga 155820

gtgcctggcc gcctgccgcg ggatcctgga ggcgctggcc gagggcttcg acggcgacct 155880

ggcggccgtc ccggggctgg ccggggcccg gcccgccagc cccccgcggc cggagggacc 155940

cgcgggcccc gcttccccgc cgccgccgca cgccgacgcg ccccgcctgc gcgcgtggct 156000

gcgcgagctg cggttcgtgc gcgacgcgct ggtgctcatg cgcctgcgcg gggacctgcg 156060

cgtggccggc ggcagcgagg ccgccgtggc cgccgtgcgc gccgtgagcc tggtcgccgg 156120

ggccctgggc cccgcgctgc cgcgggaccc gcgcctgccg agctccgcgg ccgccgccgc 156180

cgcggacctg ctgtttgaga accagagcct gcgccccctg ctggcggcgg ccgccagcgc 156240

accggacgcc gccgacgcgc tggcggccgc cgccgcctcc gccgcgccgc gggaggggcg 156300

caagcgcaag agtcccggcc cggcccggcc gcccggaggc ggcggcccgc gacccccgaa 156360

gacgaagaag agcggcgcgg acgcccccgg ctcggacgcc cgcgcccccc tccccgcgcc 156420

cccctccacg cccccggggc ccgagcccgc ccccgcccag cccgcggcgc cccgggccgc 156480

cgcggcgcag gcccgcccgc gccccgtggc gctgtcgcgc cggcccgccg agggccccga 156540

ccccctgggc ggctggcggc ggcagccccc ggggcccagc cacacggcgg cgcccgcggc 156600

cgccgccctg gaggcctact gctccccgcg cgccgtggcc gagctcacgg accacccgct 156660

gttccccgtc ccctggcgac cggccctcat gtttgacccg cgggccctgg cctcgatcgc 156720

cgcgcggtgc gccgggcccg ccgccgccgc ccaggccgcg tgcggcggcg gcgacgacga 156780

cgataacccc cacccccacg gggccgccgg gggccgcctc tttggccccc tgcgcgcctc 156840

gggcccgctg cgccgcatgg cggcctggat gcgccagatc cccgaccccg aggacgtgcg 156900

cgtggtggtg ctgtactcgc cgctgccggg cgaggacctg gccggcggcg gggcctcggg 156960

ggggccgccg gagtggtccg ccgagcgcgg cgggctgtcc tgcctgctgg cggccctggc 157020

caaccggctg tgcgggccgg acacggccgc ctgggcgggc aactggaccg gcgccccga 157080

cgtgtcggcg ctgggcgcgc agggcgtgct gctgctgtcc acgcgggacc tggccttcgc 157140

cggggccgtg gagtttctgg ggctgctcgc cagcgccggc gaccggcggc tcatcgtggt 157200

caacaccgtg cgcgcctgcg actggcccgc cgacgggccc gcggtgtcgc ggcagcacgc 157260

ctacctggcg tgcgacctgc tgcccgccgt gcagtgcgcc gtgcgctggc cggcggcgcg 157320

ggacctgcgc cgcacggtgc tggccccggg ccgcgtgttc ggcccggggg tcttcgcgcg 157380

cgtggaggcc gcgcacgcgc gcctgtaccc cgacgcgccg ccgctgcgcc tgtgccgcgg 157440

cggcaacgtg cgctaccgcg tgcgcacgcg cttcggcccg gacacgccgg tgcccatgtc 157500

cccgcgcgag taccgccggg ccgtgctgcc ggcgctggac ggccgggcgg cggcctcggg 157560

gaccaccgac gccatggcgc ccggcgcgcc ggacttctgc gaggaggagg cccactcgca 157620

ccgcgcctgc gcgcgctggg gcctgggcgc gccgctgcgg cccgtgtacg tggcgctggg 157680

gcgcgaggcg gtgcgcgccg gcccggcccg gtggcgcggg ccgcggaggg acttttgcgc 157740

ccgcgccctg ctggagcccg acgacgacgc ccccccgctg gtgctgcgcg gcggcgacga 157800

cgacgacgac ggcccggggg ccctgccgcc ggcgttgccc gggattcgct gggcctcggc 157860

cacgggccgc agcggcaccg tgctggcggc ggcgggggcc gtggaggtgc tgggggcgga 157920

ggcgggcttg gccacgcccc cgcgacggga agttgtggac tgggaaggcg cctgggacga 157980

cgacgacggc ggcgcgttcg agggggacgg ggtgctgtaa cgggccggga cggggcgggg 158040

cgcttgcgaa acccgaagac gcaataaacg acaacgacct gatttagttt tgcagtagcg 158100

ttgtttattt cgaggggcgg gagggggcga ggggcgggag ggggcgaggg gcgggagggg 158160

gcgaggggcg ggaggggggcg aggggcggga gggggcgagg ggcgggaggg ggcgaggggc 158220

gggaggggggc gaggggcggg aggggggcgag gggcgggagg gggcgagggg cgggaggggg 158280

cgaggggcgg gaggggggcga ggggcgggag ggggcgaggg gcgggagggg gcgaggggcg 158340

ggaggggggcg aggggcggga gggggcgagg ggcgggaggg ggcgaggggc gggaggggggc 158400

gaggggcggg aggggggcgag gggcgggagg gggcgagggg cggtggtggt gcgcgggcgc 158460

ccccggaggg tttggatctc tgacctgaga ttggcggcac tgaggtagag atgcccgaac 158520

ccccccgagg gagcgcggga cgcggccggg gagggctggg gccggggagg gctggggccg 158580

gggagggctg gggccgggga gggctggggc cggggagggc tggggccggg gagggctggg 158640

gccggggagg gctggggctg gggagggctg gggctgggga gggctggggc ggtggtgtgt 158700

gacaggagcg gcgtgttgcg ctgggggacg tctggaggag cgggggggtgc gcggtgacgt 158760

gtggatgagg aacaggagtt gttgcgcggt gagttgtcgc tgtgagttgt gttggtgggc 158820

aggtgtggtg gatgacgtga cgtgtgacgt gtggatgagg aaccggagtc gccggtgcgc 158880

cgtgctgttg gtgttctgtt ggtgttgtta cacctgtggc agcccgggcc ccccgcgggc 158940

ggggcggcgc gcaaaaaagg cgggcggcgg tccgggcggc gtgcgcgcgc gcggcgggcg 159000

ttgggggagc ggggggagga gcgggggggag gagcgggggg aggagcgggg ggaggagcgg 159060

ggggaggagc ggggggagga gcgggggggag gagcgggggg aggagcgggg ggaggagcgg 159120

ggggaggagc ggggggagga gcgggggggag gagcgggggg aggagcgggg ggaggagcgg 159180

ggggaggagc ggggggagga gcgggggggag gagcgggggg aggagcggaa aacgggcccc 159240

ccccgaaaca cacccccggg gggtcgcgcg cggcccttta aagcg 159285

<210> 10
<211> 159348
<212> DNA
<213> Artificial Sequence

<220>
<223> C175 from HSV-C134 Complete Viral Genome v1 Chimeric HSV expressing EphA2 Endo-MLM

<400> 10
agcccgggcc ccccgcgggc ggggcggcgc gcaaaaaagg cgggcggcgg tccgggcggc 60

gtgcgcgcgc gcggcgggcg ttggggagcg gggggaggag cgggggggagg agcgggggga 120

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 180

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 240

ggagcggggg gaggagcggg gggaggagcg gggggaggag cgggggggagg agcgggggga 300

ggagcggaaa acgggccccc cccgaaacac acccccgggg ggtcgcgcgc ggcctttaa 360

agcgcggcgg cgcagcccgg gccccccgcg gccgagacga gcgagttaga caggcaagca 420

ctactcgcct ctgcacgcac atgcttgcct gtcaaactct accaccccgg cacgctctct 480

gtctccatgg cccgccgccg ccgccatcgc ggcccccgcc gcccccggcc gcccgggccc 540

acgggcgccg tcccaaccgc acagtcccag gtaaccgcct atgggaatga aagaccccac 600

ctgtaggttt ggcaagctag gatcaaggtc aggaacagag aaacaggaga atatgggcca 660

aacaggatat ctgtggtaag cagttcctgc cccgctcagg gccaagaaca gttggaacag 720

gagaatatgg gccaaacagg atatctgtgg taagcagttc ctgccccgct cagggccaag 780

aacagatggt ccccagatgc ggtcccgccc tcagcagttt ctagagaacc atcagatgtt 840

tccagggtgc cccaaggacc tgaaatgacc ctgtgcctta tttgaactaa ccaatcagtt 900

cgcttctcgc ttctgttcgc gcgcttctgc tccccgagct ctatataagc agagctggtt 960

tagtgaaccg tcagatcgcc tggagacgcc atccacgctg ttttgacctc catagaagac 1020

accgactcta gctagaggat ctcctaggaa gctggccgca caaagtggta ccggatcccg 1080

ggtcgaccat ggagctccgg gcagtcggtt tctgcctggc gctgctgtgg ggttgcgcgc 1140

tggcggccgc ggcggcacag ggaaaggaag ttgtccgttt ttccaagtca gaacaactaa 1200

agcccctgaa gacctatgtg gatcctcaca cttacgaaga ccccaaccag gctgtactca 1260

agtttaccac cgagatccac ccatcctgtg tggcaaggca gaaggtcatt ggagcaggag 1320

agtttggaga ggtctataaa gggacgctga aggcatcctc ggggaagaag gagataccgg 1380

tggccatcaa gacactgaaa gcgggctaca ctgagaagca gcgggtggac ttcctgagcg 1440

aggccagcat catgggccag tttagccacc acaatatcat ccgcctggag ggcgtggtct 1500

ctaaatacaa acccatgatg attatcacag agtacatgga gaatggagcg ctagacaagt 1560

tccttaggga gaaggatggt gagttcagtg tacttcagtt ggtgggcatg ctgaggggta 1620

tcgcatccgg catgaagtac ctggccaaca tgaactacgt gcaccgggac ctggccgccc 1680

gcaacatcct cgtcaacagc aacctggtgt gcaaggtgtc cgattttggc ctgtcgcgtg 1740

tgctggaaga tgaccccgag gccacctaca ccacaagtgg cggcaagatc cctattcgat 1800

ggacagcccc agaggccatt tcctaccgca agttcacctc agccagcgat gtgtggagct 1860

acggcattgt catgtgggaa gtgatgactt atggcgaacg gccctactgg gaactgtcaa 1920

accacgaggt catgaaagcc atcaacgacg gcttccggct ccctacgccc atggactgcc 1980

cttcagccat ttaccagctc atgatgcagt gctggcagca agagcgctcc cgccgaccca 2040

agtttgccga catcgttagc atcctggaca agctcatccg agcccccgac tccctcaaga 2100

cgctggctga ctttgatccc cgagtgtcca tccggctgcc cagcaccagc ggctcggagg 2160

gagtcccctt ccgtacggtg tccgagtggc tggagagcat caagatgcaa cagtacacgg 2220

aacacttcat ggtggctggc tacacggcca tcgagaaggt ggtacagatg tccaacgaag 2280

acatcaaaag gatcggagtg cgtcttcctg gccaccagaa gcgtattgcc tacagcctgc 2340

tgggactcaa ggaccaggtc aacacagtgg ggattcctat cgggaattca gaacaaaaac 2400

tcatctcaga agaagatcta ggaggcggcg ggtcaggtgg aggtggctct ggcggtggcg 2460

gttcttgttg gacgctggat cgggggtatt gctcctaatt ccgactcact atagggcgaa 2520

ttaattccgg agatctctag atccggagag acgatggcag gagccgcgca tatatacgct 2580

tggagccagc ccgccctcac agggcgggcc gcctcggggg cgggactggc caatcggcgg 2640

ccgccagcgc ggcggggccc ggccaaccag cgtccgccga gtcttcgggg cccggcccat 2700

tgggcgggag ttaccgccca atgggccggg ccgcccactt cccggtatgg taattaaaaa 2760

cttgcaagag gccttgttcc gcttcccggt atggtaatta gaaactcatt aatgggcggc 2820

cccggccgcc cttcccgctt ccggcaattc ccgcggccct taatgggcaa ccccggtatt 2880

ccccgcctcc cgcgccgcgc gtaaccactc ccctggggtt ccgggttatg ctaattgctt 2940

ttttggcgga acacacggcc cctcgcgcat tggcccgcgg gtcgctcaat gaacccgcat 3000

tggtcccctg gggttccggg tatggtaatg agtttcttcg ggaaggcggg aagccccggg 3060

gcaccgacgc aggccaagcc cctgttgcgt cggtgggagg ggcatgctaa tggggttctt 3120

tgggggacac cgggttggtc ccccaaatcg ggggccgggc cgtgcatgct aatgatattc 3180

tttgggggcg ccgggttggt ccccggggac ggggccgccc cgcggtgggc ctgcctcccc 3240

tgggacgcgc ggccattggg ggaatcgtca ctgccgcccc tttggggagg ggaaaggcgt 3300

ggggtataag ttagccctgg cccgacagtc tggtcgcatt tgcacctcgg cactcggagc 3360

gagacgcagc agccaggcag actcgggccg ccccctctcc gcatcaccac agaagccccg 3420

cctacgttgc gacccccagg gaccctccgt ccgcgaccct ccaaccgcat acgacccccа 3480

tggagccccg ccccggagcg agtacccgcc ggcctgaggg ccgcccccag cgcgaggtga 3540

ggggccgggc gccatgtctg gggcgccata ttgggggcg ccatattggg gggcgccatg 3600

ttgggggacc cccgaccctt acactggaac cggccgccat gttgggggac ccccactcat 3660

acacgggagc cgggcgccat gttaggggc gtggaacccc gtgacactat atatacaggg 3720

accgggggcg ccatgttagg gggcgcggaa ccccctgacc ctatatatac agggaccggg 3780

gtcgccctgt tgggggtcgc catgtgaccc cctgacttta tatatacaga ccccccaaca 3840

catacacatg gccccctttga ctcagacgca gggcccgggg tcgccgtggg acccccctgac 3900

tcatacacag agacacgccc ccacaacaaa cacacaggga ccggggtcgc cgtgttaggg 3960

ggcgtggtcc ccactgactc atacgcaggg ccccccttact cacacgcatc taggggggtg 4020

gggaggagcc gcccgccata tttgggggac gccgtgggac ccccgactcc ggtgcgtctg 4080

gagggcggga gaagagggaa gaagaggggt cgggatccaa aggacggacc cagaccacct 4140

ttggttgcag acccctttct ccccccctctt ccgaggccag caggggggca ggactttgtg 4200

aggcgggggg ggggagaggg ggaactcgtg ggcgctgatt gacgcgggaa atccccccat 4260

tcttacccgc ccccctttttt ttcccccttag cccgccccgg atgtctgggt gtttccctgc 4320

gaccgagacc tgccggacag cagcgactct gaggcggaga ccgaagtggg ggggcggggg 4380

gacgccgacc accatgacga cgactccgcc tccgaggcgg acagcacgga cacggaactg 4440

ttcgagacgg ggctgctggg gccgcagggc gtggatgggg gggcggtctc ggggggggagc 4500

ccccccccgcg aggaagaccc cggcagttgc gggggcgccc cccctcgaga ggacgggggg 4560

agcgacgagg gcgacgtgtg cgccgtgtgc acggatgaga tcgcgcccca cctgcgctgc 4620

gacaccttcc cgtgcatgca ccgcttctgc atcccgtgca tgaaaacctg gatgcaattg 4680

cgcaacacct gcccgctgtg caacgccaag ctggtgtacc tgatagtggg cgtgacgccc 4740

agcgggtcgt tcagcaccat cccgatcgtg aacgaccccc agacccgcat ggaggccgag 4800

gaggccgtca gggcgggcac ggccgtggac tttatctgga cgggcaatca gcggttcgcc 4860

ccgcggtacc tgaccctggg ggggcacacg gtgagggccc tgtcgcccac ccaccctgag 4920

cccaccacgg acgaggatga cgacgacctg gacgacggtg aggcgggggg gcggcgagga 4980

ccctggggga ggaggaggag gaggggggag ggaggaatag gcgggcgggg gggcgaggaa 5040

agggcgggcg cggaaaggga gggcctggga gggggcgtaa cctgatcgcg ccccccgttg 5100

tctcttgcag cagactacgt accgcccgcc ccccgccgga cgccccgcgc ccccccacgc 5160

agaggcgccg ccgcgccccc cgtgacgggc ggggcgtctc acgcagcccc ccagccggcc 5220

gcggctcgga cagcgccccc ctcggcgccc atcgggccac acggcagcag taacaccaac 5280

accaccacca acagcagcgg cggcggcggc ggctcccgcc agtcgcgagc cgcggcgccg 5340

cgggggggcgt ctggcccctc cgggggggtt ggggttgggg ttggggttgt tgaagcggag 5400

gcggggcggc cgaggggccg gacgggcccc cttgtcaaca gacccgcccc ccttgcaaac 5460

aacagagacc ccatagtgat cagcgactcc cccccggcct ctccccacag gccccccgcg 5520

gcgcccatgc caggctccgc cccccgcccc gggcccaccg cgtcctcggc cgcgtcggga 5580

cccgcgcgcc cccgcgcggc cgtggccccg tgcgtgcgag cgccgcctcc ggggcccggc 5640

ccccgcgccc cggcccccgc ggacgcgcgc cgtgtgcccc agtcgcactc gtccctggct 5700

caggccgcga accaagaaca gagtctgtgc cgggcgcgtg cgacggtggc gcgcggctcg 5760

ggggggccgg gcgtggaggg tggacacggg ccctcccgcg gcgccgcccc ctccggcgcc 5820

cccccgctcc cctccgccgc ctctgtcgag caggaggcgg cggtgcgtcc gaggaagagg 5880

cgcgggtcgg gccaggaaaa cccctccccc cagtccacgc gtccccccct cgcgccggca 5940

ggggccaaga gggcggcgac gcaccccccc tccgactcag ggccgggggg gcgcggccag 6000

ggtgggcccg ggacccccct gacgtcctcg gcggcctccg cctcttcctc ctctgcctct 6060

tcctcctcgg ccccgactcc cgcgggggcc gcctcttccg ccgccggggc cgcgtcctcc 6120

tccgcttccg cctcctcggg cggggccgtc ggtgccctgg gagggagaca agaggaaacc 6180

tccctcggcc cccgcgctgc ttctgggccg cgggggccga ggaagtgtgc ccggaagacg 6240

cgccacgcgg agacttccgg ggccgccccc gcgggcggcc tcacgcgcta cctgcccatc 6300

tcgggggtct ctagcgtggt cgccctgtcg ccttacgtga acaagacgat cacgggggac 6360

tgcctgccca tcctggacat ggagacgggg aacatcgggg cgtacgtggt cctggtggac 6420

cagacgggaa acatggcgac ccggctgcgg gccgcggtcc ccggctggag ccgccgcacc 6480

ctgctccccg agaccgcggg taaccacgtg atgccccccg agtacccgac ggcccccgcg 6540

tcggagtgga acagcctctg gatgaccccc gtggggaaca tgctgttcga ccagggcacc 6600

ctagtgggcg ccctggactt ccgcagcctg cggtctcggc acccgtggtc cggggagcag 6660

ggggcgtcga cccgggacga gggaaaacaa taagggacgc cccccgtgtt tgtggggagg 6720

ggggggtcgg gcgctgggtg gtctctggcc gcgcccacta caccagccaa tccgtgtcgg 6780

ggaggggaaa agtgaaagac acgggcacca cacaccagcg ggtctttagt gttggcccta 6840

ataaaaaact caggggattt ttgctgtcta ttgggaaata aaggtttact tttgtatctt 6900

ttccctgtct gtgttggatg gatctcgggg gtgcgtggga gtgggggtgc gtgggagtgg 6960

gggtgcgtgg gagtgggggt gcgtgggagt gggggtgcgt gggagtgggg gtgcgtggga 7020

gtgggggtgc gtgggagtgg gggtgcgtgg gagtgggggt gcgtgggagt gggggtgcca 7080

tgttgggcag gctctggtgt taaccacaga gccgcggccc gggctgcctg accaccgatc 7140

cccgaaagca tcctgccact ggcatggagc cagaaccaca gtgggttggg tgtgggtgtt 7200

aagtttccgc gagcgcctgc ccgcccggac tgacctggcc tctggccgcc acaaagggcg 7260

ggggggggtt aactacacta tagggcaaca aaggacggga ggggtggcgg ggcgggacgg 7320

ggcgcccaaa agggggtcgg ccacaccaca gacgtgggtg ttgggggtg gggcggaggg 7380

gtgggggggg agacagaaac aggaacatag ttagaaaaca agaatgcggt gcagccagag 7440

aatcacagga gacgagggga tgggcgtgtt ggttaccaac ccacacccag gcatgctcgg 7500

tggtatgaag gagggggggc ggtgcttctt agagaccgcc gggggacgtg gggttggtgt 7560

gcagaggcac gcgcacccgc gtcggccagg tgggccggta ccccatcccc cctcccccga 7620

cccttcccac ccccgcgtgc cagagatcac cccggtcccc cggcacccgc cactcctcca 7680

tatcctcgct ttaggaacaa ctttaggggg ggtacacacg cgccgtgcat ttccttccac 7740

acccccccctc ccccgcactc ccccccccccc ggcagtaaga cccaagcata gagagccagg 7800

cacaaaaaca caggcggggt gggacacatg ccttcttgga gtacgtgggt cattggcgtg 7860

gggggttaca gcgacaccgg ccgaccccct ggcggtcttc cagccggccc ttagataagg 7920

gggcagttgg tggtcggacg ggtaagtaac agagtctgac taagggtggg agggggggaa 7980

aagaacgggc tggtgtgctg taacacgagc ccacccgcga gtggcgtggc cgaccttagc 8040

ctctggggcg ccccctgtcg tttgggtccc ccccctctat tggggagaag caggtgtcta 8100

acctacctgg aaacgcggcg tctttgttga accacaccgg ggcgcccttg acgagtggga 8160

taacgggggа ggaagggagg gaggagggta ctgggggtga agaagggggg ggggggagaa 8220

gcgagaacag gaaaggcgac ggagcccgac aaaacaccga gaaaaaaaaa ccacagcgca 8280

tgcgccgggc cgttgtgggg ccccgggccg gggccccttg ggtccgccgg ggccccgggc 8340

cgggccgcca cgggggccgg ccgttggcgg taaccccgat tgtttatctc aggccccggg 8400

ccgggaaccc ggaaaagcct ccgggggggcc tttttcgcgt cgcgtgccgg cgagcgggcc 8460

cggacggggc ccggaccgcc gcggtcgggg gccccctcgt cccgggccgt acgcggcctt 8520

cgccccgtga ggggacagac gaacgaaaca ttccggcgac ggaacgaaaa acaccccaga 8580

cgggttaaag aaacagaaac cgcaaccccc cccacccccg aaacggggaa aacaaaaaac 8640

agaccagcgg ccggccggcg cttaggggga ggatgtcgcc gacgcccctt ggccgccccg 8700

gctgcagggg ggcccggaga gccgcggcac ccggacgcgc ccggaaagtc tttcgcacca 8760

cccgcgatcg gcacggccgc gcccccgctt ttataaaggc tcagatgacg cagcaaaaac 8820

aggccacagc accacgtggg taggtgatgt aattttattt tcctcgtctg cggcctaatg 8880

gatttccggg cgcggtgccc ctgtctgcag agcacttaac ggattgatat ctcgcgggca 8940

cgcgcgccct taatggaccg gcgcggggcg gggggccgga tacccacacg ggcgggggggg 9000

ggggtgtcgc gggccgtctg ctggcccgcg gccacataaa caatgactct gggcctttct 9060

gcctctgccg cttgtgtgtg cgcgcgccgg ctctgcggtg tcggcggcgg ctgcggcggc 9120

tgcggcggcc gccgtgttcg gtctcggtag ccggccggcg ggtggactcg cgggggggccg 9180

gagggtggaa ggcaggggggg tgtaggatgg gtatcaggac ttccacttcc cgtccttcca 9240

tcccccgttc ccctcggttg ttcctcgccc ccccccacac cccgccgctt tccgttgggg 9300

ttgttattgt tgtcgggatc gtgcgggccg ggggtcgccg gggcaggggc gggggcgggg 9360

gtgctcgtcg atcgaccggg ctcagtgggg gcgtggggtg ggggggaaaa ggcgaagaga 9420

ctgggggtgg ggggggggtgt cgggggtggc tgtttttttt tgtgggtgtt ttttgtggct 9480

gttcccgtcc cccgtcaccc ccctccctcc gtccccccgt cgcgggtgtt tgtgtttgtt 9540

tattccgaca tcggtttatt taaataaaca cagccgttct gcgtgtctgt tcttgcgtgt 9600

ggctgggggc ttatatgtgg ggtcccgggg gcgggatggg gtttagcggc gggggggcggc 9660

gcgccggacg gggcgctgga gataacggcc cccggggaac gggggaccgg ggctgggtct 9720

cccgaggtgg gtgggtgggc ggcggtggcc gggccgggcc gggccgggtg ggcggggttt 9780

ggaaaaacga ggaggaggag gaggagaagg agggggggggg agacgggggg aaagcaagga 9840

cacggcccgg ggggtgggag cgcgggccgg gccgctcgta agagccgcga cccggccgcc 9900

ggggagcgtt gtcgccgtcg gtctgccggc ccccgtccct ccctttttttg accaaccagc 9960

gccccccccc ctcaccacca ttcctaccac caccaccacc accgacacct cccgcacacc 10020

cccgcccaca ctccccccccc ccacccaacc cgcaccacga gcacgggttg ggggtagcag 10080

gggatcaaag gggggcaagg ccggcggggc ggttcggggg cgggggcggg agaccgagta 10140

ggccccgccc atccgcggcc cctcccggca gccacgcccc ccagcgtcgg gtgtcacggg 10200

gaaagagcag ggggagaggg gagaggggggg gagaggggag agggggggag aggggagagg 10260

gggggagagg ggagaggggg ggagagggga gaggggggga gaggggagag gggggggagag 10320

gggagagggg gggagagggg agagggggggg agaggggaga gggggggaga ggggagaggg 10380

ggggagaggg ggtatataaa ccaacgaaaa gcgcgggaac ggggatacgg ggcttgtgtg 10440

gcacgacgtc gtggttgtgt tactgggcaa acacttgggg actgtaggtt tctgtgggtg 10500

ccgaccctag gcgctatggg gattttgggt tgggtcgggc ttattgccgt tggggttttg 10560

tgtgtgcggg ggggcttgtc ttcaaccgaa tatgttattc ggagtcgggt ggctcgagag 10620

gtgggggata tattaaaggt gccttgtgtg ccgctcccgt ctgacgatct tgattggcgt 10680

tacgagaccc cctcggctat aaactatgct ttgatagacg gtatattttt gcgttatcac 10740

tgtcccggat tggacacggt cttgtgggat aggcatgccc agaaggcata ttgggttaac 10800

ccctttttat ttgtggcggg ttttttggag gacttgagtc accccgcatt tcctgccaac 10860

acccaggaaa cagaaacgcg cttggccctt tataaagaga tacgccaggc gctggacagt 10920

cgcaagcagg ccgccagcca cacacctgtg aaggctgggt gtgtgaactt tgactattcg 10980

cgcacccgcc gctgtgtagg gcgacaggat ttgggaccta ccaacggaac gtctggacgg 11040

accccggttc tgccgccgga cgatgaagcg ggcctgcagc cgaagcccct caccacgccg 11100

ccgcccatca tcgccacgtt ggaccccacc ccgcgacggg acgccgccgc aaaaagcaga 11160

cgccgacgac cccactcccg gcgcatctaa tgatgccgcg acggaaaccc gtccgggttc 11220

gggggggcgaa ccggccgcct gtcgctcgtc agggccggcg ggcgctcctc gccgccctag 11280

aggctgtccc gctggtgtga cgttttcctc gtccgcgccc cccgaccctc ccatggattt 11340

aacaaacggg ggggtgtcgc ctgtggcgac ctcggcgcct ctggactgga ccacgtttcg 11400

gcgtgtgttt ctgatcgacg acgcgtggcg gcccctgttg gagcctgagc tggcgaaccc 11460

cttaaccgcc cacctcctga ccgaatataa tcgtcggtgc cagaccgaag aggtgctgcc 11520

gccgcgggag gatgtgtttt cgtggactcg ttattgcacc cccgacgagg tgcgcgtggt 11580

tatcatcggc caggacccat atcaccaccc cggccaggcg cacggacttg cgtttagcgt 11640

gcgcgcgaac gtgccgcctc ccccgagtct tcggaatgtc ttggcggccg tcaagaactg 11700

ttatcccgag gcacggatga gcggccacgg ttgcctggaa aagtgggcgc gggacggcgt 11760

cctgttacta aacacgaccc tgaccgtcaa gcgcggggcg gcggcgtccc actctagaat 11820

cggttgggac cgcttcgtgg gcggagttat ccgccggttg gccgcgcgcc gccccggcct 11880

ggtgtttatg ctctggggcg cacatgccca gaatgccatc aggccggacc ctcgggtcca 11940

ttgcgtcctc aagttttcgc acccgtcgcc cctctccaag gttccgttcg gaacatgcca 12000

gcatttcctc gtggcgaatc gatatctcga gacccggtcg atttcaccca tcgactggtc 12060

ggtttgaaag gcatcgacgt ccggggtttt cgtctgtggg ggcttttggg tatttccgat 12120

gaataaagac ggttaatggt taaacctctg gtctcatacg ggtcggtgat gtcgggcgtc 12180

gggggagagg gagttccctc tgcgcttgcg attctagcct cgtggggctg gacgttcgac 12240

acgccaaacc acgagtcagg gatatcgcca gatacgactc ccgcagattc cattcggggg 12300

gccgctgtgg cctcacctga ccaaccttta cacgggggcc cggaacggga ggccacagcg 12360

ccgtctttct ccccaacgcg cgcggatgac ggcccgccct gtaccgacgg gccctacgtg 12420

acgtttgata ccctgtttat ggtgtcgtcg atcgacgaat tagggcgtcg ccagctcacg 12480

gacaccatcc gcaaggacct gcggttgtcg ctggccaagt ttagcattgc gtgcaccaag 12540

acctcctcgt tttcgggaaa cgccccgcgc caccacagac gcggggcgtt ccagcgcggc 12600

acgcgggcgc cgcgcagcaa caaaagcctt cagatgtttg tgttgtgcaa acgcacccac 12660

gccgctcgag tgcgagagca gcttcgggtc gttattcagt cccgcaagcc gcgcaagtat 12720

tacacgcgat cttcggacgg gcggctctgc cccgccgtcc ccgtgttcgt ccacgagttc 12780

gtctcgtccg agccaatgcg cctccaccga gataacgtca tgctggcctc gggggccgag 12840

taaccgcccc cccgcgccac cctcactgcc cgtcgcgcgt gtttgatgtt aataaataac 12900

gcataaatta tcttaataga tctcccgatc ccctatggtg cactctcagt acaatctgct 12960

ctgatgccgc atagttaagc cagtatctgc tccctgcttg tgtgttggag gtcgctgagt 13020

agtgcgcgag caaaatttaa gctacaacaa ggcaaggctt gaccgacaat tgcatgaaga 13080

atctgcttag ggttaggcgt tttgcgctgc ttcgcgatgt acgggccaga tatacgcgtt 13140

gacattgatt attgactagt tattaatagt aatcaattac ggggtcatta gttcatagcc 13200

catatatgga gttccacgtt acataactta cggtaaatgg cccgcctggc tgaccgccca 13260

acgacccccg cccattgacg tcaataatga cgtatgttcc catagtaacg ccaatagggа 13320

ctttccattg acgtcaatgg gtggagtatt tacggtaaac tgcccacttg gcagtacatc 13380

aagtgtatca tatgccaagt acgcccccta ttgacgtcaa tgacggtaaa tggcccgcct 13440

ggcattatgc ccagtacatg accttatggg actttcctac ttggcagtac atctacgtat 13500

tagtcatcgc tattaccatg gtgatgcggt tttggcagta catcaatggg cgtggatagc 13560

ggtttgactc acggggattt ccaagtctcc accccattga cgtcaatggg agtttgtttt 13620

ggcaccaaaa tcaacgggac tttccaaaat gtcgtaacaa ctccgcccca ttgacgcaaa 13680

tgggcggtag gcgtgtacgg tgggaggtct atataagcag agctctctgg ctaactagag 13740

aacccactgc ttactggctt atcgaaatta atacgactca ctatagggag acccaagctg 13800

gctagttaag cttggtaccg agctcggatc cactagtcca gtgtggtgga attgcccttg 13860

gatcctcaat ggcccagcgc aacggcatgt cgccgcgccc cccgcccctc ggtcgcggcc 13920

gcggggccgg agggccttcg ggggttggtt cctctcctcc ttcttcttgt gtgccgatgg 13980

gagcgccgtc cacagcgggc actggtgcga gtgctgcggc tacgacgacg ccgggccacg 14040

gcgtccaccg ggtagaaccc cgcgggccgc cgggcgcccc tccgagtagc gacaacaatg 14100

gcaacttttg gcacggcccg gagcgcctgt tgctgtctca gattccggtg gagcgccagg 14160

cgctgacgga gctggaatac caggccatgg gcgccgtgtg gcgcgcggcg tttttggcca 14220

acagcacggg ccgcgccatg cgcaagtggt cgcagcgcga cgcgggcacg ctgctgccgc 14280

tcggacggcc gtacggattc tacgcgcggg tgacgccgcg cagccagatg aacggcgtgg 14340

gcgcgacgga cctgcgtcaa ctgtcgccgc gggacgcgtg gatcgtactg gtggctaccg 14400

tggtgcacga ggtggacccc gcagccgacc cgacgttggg cgacaaggcc ggccatcccg 14460

agggtctgtg cgcgcaggac ggactgtacc tggcgctggg cgccgggttc cgcgtgttcg 14520

tgtacgacct ggcaaacaac acgctgatcc tagcggcgcg cgacgcggac gagtggtttc 14580

ggcacggcgc gggcgaggtg gtgcggctgt accgctgcaa ccggctgggc gtgggcaccc 14640

cgcgcgcgac gctgctgcct cagccggcgc tccgacagac gttgctgcgc gccgaggagg 14700

cgacggcgct cggacgggag ctgcgccggc ggtgggccgg cacgacggtg gcgctgcaga 14760

cgccgggcag gcgactgcag ccgatggtac tgctgggcgc gtggcaggag ctggcgcagt 14820

acgagccgtt cgcgtcggcg ccgcaccccg cgtcgctgct gacggccgtg cgtcggcacc 14880

tgaaccagcg tctgtgctgc ggctggctgg cgctgggcgc ggtgctgccc gcgcggtggc 14940

tgggctgcgc ggcggggccg gcgacgggga cggcggcggg gacgacgtcg ccgccagcgg 15000

cgagcggcac ggagacggag gccgccggcg gggacgcgcc gtgcgcgata gcgggagccg 15060

tggggtccgc tgtacctgtg cctccgcagc cgtacggcgc cgccggcggg ggcgcgattt 15120

gcgtgcctaa cgcggacgcg cacgcggtgg tcggggcgga cgcggcagca gcagcggcgc 15180

cgacggtgat ggtgggttcg acagcgatgg cgggtccggc ggcgtcgggg accgtgccgc 15240

gcgccatgct ggtggtgctg ctggacgagc tgggcgccgt gttcgggtac tgcccgctgg 15300

acgggcacgt gtacccgctg gcggcggagc tgtcgcactt tctgcgcgcg ggcgtgctgg 15360

gcgcgctggc gctgggacgc gagtcggcgc ccgccgccga ggccgcgcgg cggctgctgc 15420

ccgagctgga ccgcgagcag tgggagcggc cgcgctggga cgcgctgcac ctgcacccgc 15480

gcgccgcgct gtgggcgcgc gagccgcacg ggcagtggga gttcatgttt cgcgaacaac 15540

gcggtgaccc cataaatgat cccctcgcat ttcgtctttc ggacgctcga actctcggtc 15600

tcgacctcac caccgtcatg acagagcgtc aaagtcaatt gcccgaaaag tatatcggtt 15660

tctatcagat taggaaacct ccttggctca tggaacaacc tccaccccca tctcgccaaa 15720

ccaaaccgga cgctgcaacg atgcccccac cgctcagtgc tcaggcaagc gtcagctacg 15780

cgctccgata cgatgacgag tcctggcgcc cgctcagcac agttgacgac cacaaagcct 15840

ggttggatct cgacgaatca cattgggtcc tcggggacag ccgacccgac gatataaaac 15900

aacgcagact gctgaaggcc actcaacgac gaggcgccga aatcgacaga cccatgcctg 15960

tcgtgcctga agaatgttac gaccaacgct tcactaccga aggccaccag gtcatcccgt 16020

tgtgcgcgtc cgaacccgag gatgacgacg aagatcctac ctacgacgaa ttgccgtcgc 16080

gcccacccca gaaacataag ccgccagaca aacctccgcg cttatgcaaa acgggccccg 16140

gcccacctcc gctgccgcca aagcaacggc acggttccac cgacggaaaa gtttctgcgc 16200

cccgacagtc ggagcatcat aaaagacaga cccgaccgcc aaggccgcca ccgcccaaat 16260

tcggggatag aaccgcggcc catctctcgc aaaatatgcg ggacatgtac ctcgatatgt 16320

gtacatcttc gggccacagg ccacggccgc cagcacctcc gcggccgaaa aaatgtcaaa 16380

cacacgcccc tcaccacgtt catcataagc ttaagggcaa ttctgcagat atccagcaca 16440

gtggcggccg ctcgagtcta gagggcccgc ggttcgaagg taagcctatc cctaaccctc 16500

tcctcggtct cgattctacg cgtaccggtc atcatcacca tcaccattga gtttaaaccc 16560

gctgatcagc ctcgactgtg ccttctagtt gccagccatc tgttgtttgc ccctcccccg 16620

tgccttcctt gaccctggaa ggtgccactc ccactgtcct ttcctaataa aatgaggaaa 16680

ttgcatcgca ttgtctgagt aggtgtcatt ctattctggg gggtggggtg gggcaggaca 16740

gcaaggggga ggattgggaa gacaatagca ggcatgctgg ggatgcggtg ggctctatgg 16800

cttctgaggc ggaaagaacc agctggggct ctagggggta tccccacgcg ccctgtagcg 16860

gcgcattaag cgcggcgggt gtggtggtta cgcgcagcgt gaccgctaca cttgccagcg 16920

ccctagcgcc cgctcctttc gctttcttcc cttcctttct cgccacgttc gccggctttc 16980

cccgtcaagc tctaaatcgg gggctccctt tagggttccg atttagtgct ttacggcacc 17040

tcgaccccaa aaaacttgat tagggtgatg gttcacgtag tgggccatcg ccctgataga 17100

cggtttttcg ccctttgacg ttggagtcca cgttctttaa tagtggactc ttgttccaaa 17160

ctggaacaac actcaaccct atctcggtct attcttttga tttataaggg attttgccga 17220

tttcggccta ttggttaaaa aatgagctga tttaacaaaa atttaacgcg aattaattct 17280

gtggaatgtg tgtcagttag ggtgtggaaa gtccccaggc tccccagcag gcagaagtat 17340

gcaaagcatg catctcaatt agtcagcaac caggtgtgga aagtccccag gctccccagc 17400

aggcagaagt atgcaaagca tgcatctcaa ttagtcagca accatagtcc cgcccctaac 17460

tccgcccatc ccgcccctaa ctccgcccag ttccgcccat tctccgcccc atggctgact 17520

aatttttttt atttatgcag aggccgaggc cgcctctgcc tctgagctat tccagaagta 17580

gtgaggaggc ttttttggag gcctagtatt aaggaatttg gctggttgtt tgttgtcttt 17640

aatggaccgc ccgcaggggg ggtggcattt cagtgtcggg tgacgagcgc gatccggccg 17700

ggatcctagg accccaaaag tttgtctgcg tattccaggg cggggctcag ttgaatctcc 17760

cgcagcacct ctaccagcag gtccgcggtg ggctggagaa actcggccgt cccggggcag 17820

gcggtcgtcg ggggtggagg cgcggcgccc accccgtgtg ccgcgcctgg cgtctcctct 17880

gggggcgacc cgtaaatggt tgcagtgatg taaatggtgt ccgcggtcca gaccacggtc 17940

aaaatgccgg ccgtggcgct ccgggcgctt tcgccgcgcg aggagctgac ccaggagtcg 18000

aacggatacg cgtacatatg ggcgtcccac ccgcgttcga gcttctggtt gctgtcccgg 18060

cctataaagc ggtaggcaca aaattcggcg cgacagtcga taatcaccaa cagcccaatg 18120

ggggtgtgtt ggataacaac gcctccgcgc ggcaggcggt cctggcgctc ccggccccgt 18180

accatgatcg cgcgggtgcc gtactcaaaa acatgcacca cctgcgcggc gtcgggcagt 18240

gcgctggtca gcgaggccct ggcgtggcat aggctatacg cgatggtcgt ctgtggattg 18300

gacatctcgc ggtgggtagt gagtcccccg ggccgggttc ggtggaactg taaggggacg 18360

gcgggttaat atacaatgac cacgttcgga tcgcgcagag ccgatagtat gtgcttacta 18420

atgacgtcat cgcgctcgtg gcgctcccgg agcggattta agttcatgcg aaggaattcg 18480

gaggaggtgg tgcgggacat ggccacgtac gcgctgttga ggcgcaggtt gccgggcgta 18540

aagcagatgg cgaccttgtc caggctaagg ccctgggagc gcgtgatggt catggcaagc 18600

ttggagctga tgccgtagtc ggcgtttatg gccatggcca gctccgtaga gtcaatggac 18660

tcgacaaact cgctgatgtt ggtgttgacg acggacatga agccgtgttg gtcccgcaag 18720

accacgtaag gcaggggggc ctcttccagt aactcggcca cgttggccgt cgcgtgccgc 18780

ctccgcagct cgtccgcaaa ggcaaacacc cgtgcgtacg tgtatcccat gagcgtataa 18840

ttgtccgtct gcagggcgac ggacatcagc cccccgcgcg gcgagccggt cagcatctcg 18900

cagccccgga agataacgtt gtccacgtac gtgctaaagg gggcgccttc aaatgcctcc 18960

ccaaagagct cttggaggat tcggaatctc ccgaggaagg cccgcttcag cagcgcaaac 19020

tgggtgtgaa cggcggcggt ggtctccggt tccccggggg tgtagtggca gtaaaacacg 19080

tcgagctgtt gttcgtccag ccccgcgaaa ataacgtcga ggtcgtcgtc gggaaaatcg 19140

tccgggcccc cgtcccgcgg ccccagttgc ttaaaatcaa acgcacgctc gccgggggcg 19200

cctgcgtcgg ccattaccga cgcctgcgtc ggcacccccg aagatttggg gcgcagagac 19260

agaatctccg ccgttagttc tcccatgcgg gcgtaggcga gggtcctctg ggtcgcatcc 19320

aggcccgggc gctgcagaaa gttgtaaaag gagataagcc cgctaaatat gagccgcgac 19380

aggaacctgt aggcaaactc caccgaagtc tccccctgag tctttacaaa gctgtcgtca 19440

cgcaacactg cctcgaaggc ccggaacgtc ccactaaacc caaaaaccag ttttcgcagg 19500

cgcgcggtta ccgcgatctg gctgttgagg acgtaagtga cgtcgttgcg ggccacgacc 19560

agctgctgtt tgctgtgcac ctcgcagcgc atgtgccccg cgtcctggtc ctggctctgc 19620

gagtagttgg tgatgcggct ggcgttggcc gtgagccact tttcaatagt caggccgggc 19680

tggtgtgtca gccgtcggta ttcgtcaaac tccttgaccg acacgaacgt aagcacgggg 19740

agggtgaaca cgacaaactc cccctcacgg gtcaccttca ggtaggcgtg gagcttggcc 19800

atgtacgcgc tcacctcttt gtgggaggag aacaaccgcg tccagccggg gaggttggcg 19860

gggttggtga tgtagtttc cgggacgacg aagcgatcca cgaactgcat gtgctcctcg 19920

gtgatgggta ggccgtactc cagcaccttc atgaggttac cgaactcgtg ctcgatgcac 19980

cgtttgttgt taataaaaat ggcccagcta tacgagaggc gggcgtactc ccgcagcgtg 20040

cggttgcaga tgaggtacgt gagcacgttc tcgctctggc ggacggaaca ccgcagtttc 20100

tggtgctcga aggtcgactc cagggacgcc gtctgtgtcg gcgagcccac acacaccaac 20160

acgggccgca ggcgggccgc gtactggggg gtgtggtaca gggcgttaat catccaccag 20220

caatacacca cggccgtgag gaggtgacgc ccaaggagcc cggcctcgtc gatgacgatc 20280

acgttgctgc gggtaaaggc cggcagcgcc ccgtgggtgg ccggggccaa ccgcgtcagg 20340

gcgccctcgg ccaaccccag ggtccgttcc agggcggcca gggcgcgaaa ctcgttccgc 20400

gactcctcgc ccccggaggc ggccagggtg cgcttcgtga ggtccaaaat cacctcccag 20460

tagtacgtca gatctcgtcg ctgcaggtcc tccagcgagg cggggttgct ggtcagggtg 20520

tacgggtact gccccagttg ggcctggacg tgattcccgc gaaacccaaa ttcatgaaag 20580

atggtgttga tgggtcggct gagaaaggcg cccgagagtt tggcgtacat gttttgggcc 20640

gcaatgcgcg tggcgcccgt caccacacag tccaagacct cgttgattgt ctgcacgcac 20700

gtgctctttc cggagccagc gttgccggtg ataagataca ccgcgaacgg aaactccctg 20760

aggggcaggc ctgcggggga ctctaaggcc gccacgtccc ggaaccactg cagacggggc 20820

acttgcgctc cgtcgagctg ttgttgcgag agctctcgga tgcgcttaag gattggctgc 20880

accccgtgca tagacgtaaa atttaaaaag gcctcggccc tccctggaac ggctggtcgg 20940

tccccgggtt gctgaaggtg cggcgggccg ggtctctgtc cgtctagctg gcgctccccg 21000

ccggccgccg ccatgaccgc accacgctcg cgggccccca ctacgcgtgc gcgggggggac 21060

acggaagcgc tgtgctcccc cgaggacggc tgggtaaagg ttcaccccac ccccggtacg 21120

atgctgttcc gcgagattct ccacgggcag ctggggtata ccgagggcca gggggtgtac 21180

aacgtcgtcc ggtccagcga ggcgaccacc cggcagctgc aggcggcgat ctttcacgcg 21240

ctcctcaacg ccaccactta ccgggacctc gaggcggact ggctcggcca cgtggcggcc 21300

cgcggtctgc agccccaacg gctggttcgc cggtacagga acgcccggga ggcggatatc 21360

gccggggtgg ccgagcgggt gttcgacacg tggcggaaca cgcttaggac gacgctgctg 21420

gactttgccc acgggttggt cgcctgcttt gcgccgggcg gcccgagcgg cccgtcaagc 21480

ttccccaaat atatcgactg gctgacgtgc ctggggttgg tccccatatt acgcaagcga 21540

caagaagggg gtgtgacgca gggtctgagg gcgtttctca agcagcaccc gctgacccgc 21600

cagctggcca cggtcgcgga ggccgcggag cgcgccggcc ccgggttttt tgagctggcg 21660

ctggccttcg actccacgcg cgtggcggac tacgaccgcg tgtatattta ctacaaccac 21720

cgccggggcg actggctcgt gcgagacccc atcagcgggc agcgcggaga atgtctggtg 21780

ctgtggcctc ccttgtggac cggggaccgt ctggtcttcg attcgcccgt acagcggctg 21840

tttcccgaga tcgtcgcgtg tcactccctc cgggaacacg cgcacgtctg ccggctgcgc 21900

aataccgcgt ccgtcaaggt gctgctgggg cgcaagagcg acagcgagcg cggggtggcc 21960

ggcgccgcgc gggtcgttaa caaggtgttg ggggaggacg acgagaccaa ggccgggtcg 22020

gccgcctcgc gcctcgtgcg gcttatcatc aacatgaagg gcatgcgcca cgtaggcgac 22080

attaacgaca ctgtgcgtgc ctacctcgac gaggccgggg ggcacctgat agacgccccg 22140

gccgtcgacg gtaccctccc gggattcggc aagggcggaa acagccgcgg gtctgcgggc 22200

caggaccagg gggggcgggc gccgcagctt cgccaggcct tccgcacggc cgtggttaac 22260

aacatcaacg gcgtgttgga gggctatata aataacctgt ttggaaccat cgagcgcctg 22320

cgcgagacca acgcgggcct ggcgacccag ttgcaggagc gcgaccgcga gctccggcgc 22380

gcaacatcgg gggccctgga gcgccagcag cgcgcggccg acctggcggc cgagtccgtg 22440

accgggggat gcggcagccg ccctgcgggg gcggacctgc tccgggccga ctatgacatt 22500

atcgacgtca gcaagtccat ggacgacgac acgtacgtcg ccaacagttt tcagcacccg 22560

tacatccctt cgtacgccca ggacctggag cgcctgtcgc gcctctggga gcacgagctg 22620

gtgcgctgtt tcaaaattct gtgtcaccgc aacaaccagg gccaagagac gtcgatctcg 22680

tactccagcg gggcgatcgc cgcattcgtc gccccctact ttgagtcagt gcttcgggcc 22740

ccccgggtag gcgcgcccat cacgggctcc gatgtcatcc tgggggagga ggagttatgg 22800

gatgcggtgt ttaagaaaac ccgcctgcaa acgtacctga cagacatcgc ggccctgttc 22860

gtcgcggacg tccagcacgc agcgctgccc ccgcccccct ccccggtcgg cgccgatttc 22920

cggcccggcg cgtccccgcg gggccggtcc agatcgcggt cgcccggaag aactgcgcga 22980

ggcgcgccgg accagggcgg gggcatcggg caccgggatg gccgccgcga cggccgacga 23040

tgaggggtcg gccgccacca tcctcaagca ggccatcgcc ggggaccgca gcctggtcga 23100

ggcggccgag gcgattagcc agcagacgct gctccgcctg gcctgcgagg tgcgccaggt 23160

cggcgaccgc cagccgcggt ttaccgccac cagcatcgcg cgcgtcgacg tcgcgcctgg 23220

gtgccggttg cggttcgttc tggacgggag tcccgaggac gcctatgtga cgtcggagga 23280

ttactttaag cgctgctgcg gccagtccag ttatcgcggc ttcgcggtgg cggtcctgac 23340

ggccaacgag gaccacgtgc acagcctggc cgtgcccccc ctcgttctgc tgcaccggtt 23400

ctccctgttc aaccccaggg acctcctgga ctttgagctt gcctgtctgc tgatgtacct 23460

ggagaactgc ccccgaagcc acgccacccc gtcgaccttt gccaaggttc tggcgtggct 23520

cggggtcgcg ggtcgccgca cgtccccatt cgaacgcgtt cgctgccttt tcctccgcag 23580

ttgccactgg gtcctaaaca cactcatgtt catggtgcac gtaaaaccgt tcgacgacga 23640

gttcgtcctg ccccactggt acatggcccg gtacctgctg gccaacaacc cgccccccgt 23700

tctctcggcc ctgttctgtg ccaccccgac aagctcctca ttccggctgc cggggccgcc 23760

cccccgctcc gactgcgtgg cctataaccc cgccgggatc atggggagct gctgggcgtc 23820

ggaggaggtg cgcgcgcctc tggtctattg gtggctttcg gagaccccaa aacgacagac 23880

gtcgtcgctg ttttatcagt tttgttgaat tttaggaaat aaacccggtt ttgtttctgt 23940

ggcctcccga cggatgcgcg tgtccttact ccgtcttggt gggtgggtgg ctgtgtatgg 24000

cgtcccatct gtgcggggag gggggcaagt cggcacgtat tcggacagac tcaagcacac 24060

acgggggagc gctcttgtct cagggcaatg tttttattgg tcaaactcag gcaaacagaa 24120

acgacatctt gtcgtcaaag ggatacacaa acttcccccc ctcgccccat actcccgcca 24180

gcaccccggt aaacaccaac tcaatctcgc gcaggatttc gcgcaggtga tgagcgcagt 24240

ccacgggggg gagcacaagg ggccgcgggt atagatcgac ggggacgccg accgactccc 24300

cgcctccggg acagacacgc acgacgcgcc gccagtagtg ctctgcgtcc agcaaggcgc 24360

cgccgcggaa ggcagtgggg ggcaaggggt cgctggcctc aaaggggggac acccgaacgc 24420

tccagtactc cgcgtccaac cgtttattaa acgcgtccaa gataaggcgg tcgcaggcgt 24480

cctccataag gccccgggcc gtgagtgcgt cctcctccgg cacgcctgcc gttgtcaggc 24540

ccaggacccg tcgcagcgtg tcgcgtacga ccccggccgc cgtggtgtac gcgggcccgc 24600

ggagaggaaa tcccccaaga tggtcagtgt tgtcgcggga gttccagaac cacactcccg 24660

cctggctcca ggcgactgcg tgggtgtaga cgccctcgag ggccaggcac agtgggtgcc 24720

gcagccggag gccgttggcc ctaagcacgg ctcccacggc cgtctcgatg gcccgccggg 24780

cgtcctcgat caccccggaa gccgcatccg cgtcttgggg gtccacgtta aagacacccc 24840

agaacgcacc cccatcgccc ccgcagaccg cgaacttcac cgagctggcc gtctcctcga 24900

tctgcaggca gacggcggcc attaccccac ccaggagctg ccgcagcgca gggcaggcgt 24960

tgcacgtgtc cgggaccagg cgctccaaga cggccccggc ccagggctct gagggagcgg 25020

ccaccaccag cgcgtccagt cttgctaggc ccgtccggcc gtgggggtcc gccagcccgc 25080

tccccccgag gtcggccagg gccgccagga gctgggcgcg aagtccgggg aagcaaaacc 25140

gcgccgtcca gacgggcccg acggccgcgg gcgggtctaa cagttggatg attttagtgg 25200

cgggatgcca ccgcgccacc gcctcccgca ctgcgggcag gaggcatccg gctgccgccg 25260

aggccacgcc gggccaggct cgcgggggga ggacgaccct gacccccacc gcgggccagg 25320

cccccaggag cgcggcgtaa gcggccgcgg ccccgcgcac caggtcccgt gccgactcgg 25380

ccgtggccgg cacggtgaac gtgggccaac ccggaaaccc caggacggca aagtacggga 25440

cgggtccccc ccggacctca aactcgggcc ccagaaaggc aaagacgggg gccagggccc 25500

cgggggcggc gtggaccgtg gtatgccact gccggaaaag ggcgacgagc gccggcgcgg 25560

agaacttctc gccggcgctt acaaagtagt cgtaatcgcg gggcagcagc acccgtgccg 25620

tgactcgttg cgggtgcccg cgtggccgca ggcccacctc gcacacctcg accaggtccc 25680

cgaacgcgcc ctccttcttg atcggcggaa acgcaagagt ctggtattcg cgcgcaaata 25740

gcgcggttcc ggtggtgatg ttaacggtca gcgaagcggt ggacgcgcac tgggggggtgt 25800

cgcgaatggc cgccaggcgc gcccacgcca gccgcgcgtc gggatgctcg gcaacgcgcg 25860

ccgccagggc catagggtcg atgtcaatgt tggcctccgc gaccaggaga gcggcgcgag 25920

gggcggcggg cgggccccac gacgctctct caactttcac caccagtccc gtgcgtgggt 25980

ccgagccgat acgcagcggg gcgaacaggg ccaccggccc ggtctggcgc tccagggccg 26040

ccaggacgca cgcgtacagc gcccgccaca gagtcgggtt ctccaggggc tccagcgggg 26100

aggcggccgg cgtcgtcgcg gcgcgggcgg ccgccacgac ggcctggacg gagacgtccg 26160

cggagccgta gaaatcccgc agctccgtcg cggtgacgga gacctccgca aagcgcgcgc 26220

gaccctcccc tgcggcgttg cgacatacaa aatacaccag ggcgtggaag tactcgcgag 26280

cgcgggggggg cagccatacc gcgtaaaggg taatggcgct gacgctctcc tccacccaca 26340

cgatatctgc ggtgtccatc gcacggcccc taaggatcac gggcggtctg tgggtcccat 26400

gctgccgtgc ctggccgggc ccggtgggtt gcggaaaccg gtgacggggg ggggggcggt 26460

ttttggggtt ggggtgggaa acggcccggg tccgggggcc aacttggccc ctcggtgcgt 26520

tccggcaaca gcgccgccgg tccgcggacg accacgtacc gaacgagtgc ggtcccgaga 26580

cttatagggt gctaaagttc accgcccccc gcatcatggg ccaggcctcg gtggggagct 26640

ccgacagcgc cgcctccagg atgatgtcag cgttggggtt ggcgctggat gagtgcgtgc 26700

gcaaacagcg cccccacgcg ggcacgcgta gcttgaagcg cgcgcccgca aactcccgct 26760

tgtgggccat aagcagggcg tacagctgcc tgtgggtccg gcaggcgctg tggtcgatgt 26820

ggtgggcgtc caacaacccc acgattgtct gtttggtgag gtttttaacg cgccccgccc 26880

cgggaaacgt ctgcgtgctt ttggccatct gcacgccaaa cagttcgccc cagattatct 26940

tgaacagcgc caccgcgtgg tccgtctcac taacggaccc gcgcgggggа cagccgctta 27000

gggcgtcggc gacgcgcttg acggcttcct ccgagagcag aagtccgtcg gttacgttac 27060

agtggcccag ttcgaacacc agctgcatgt agcggtcgta gtgggggggtc agcaggtcca 27120

gcacgtcatc ggggccgaag gtcctcccag atcccccggc cgccgagtcc caatgcaggc 27180

gcgcggccat ggtgctgcac aggcacaaca gctcccagac aggggttacg ttcagggtgg 27240

ggggcagggc cacgagctcc agctctccgg tgacgttgat cgtggggatg acgcccgtgg 27300

cgtagtggtc atagatccgc cgaaatatgg cgctgctgcg ggtggccatg ggaacgcgga 27360

gacaggcctc cagcaacgcc aggtaaataa accgcgtgcg tcccatcagg ctgttgaggt 27420

tgcgcatgag cgcgacaatt tccgccggcg cgacatcgga ccggaggtat ttttcgacga 27480

aaagacccac ctcctccgtc tcggcggcct gggccggcag cgacgcctcg ggatcccggc 27540

accgcagctc ccgtagatcg cgctgggccc tgagggcgtc gaaatgtacg ccccgcaaaa 27600

acagacagaa gtcctttggg gtcagggtat cgtcgtgtcc ccagaagcgc acgcgtatgc 27660

agtttagggt cagcagcatg tgaaggatgt taaggctgtc cgagagacac gccagcgtgc 27720

atctctcaaa gtagtgtttg taacggaatt tgttgtagat gcgcgacccc cgccccagcg 27780

acgtgtcgca tgccgacgcg tcacagcgcc ccttgaaccg gcgacacagc aggtttgtga 27840

cctgggagaa ctgcgcgggc cactggccgc aggaactgac cacgtggttc aggagcatgg 27900

gcgtaaagac gggctccgag cgcgccccgg agccgtccat gtaaatcagt agctcccccc 27960

tgcggagggt gcgcacccgt cccagggact ggtacacgga caccatgtcc ggtccgtagt 28020

tcatgggttt cacgtaggcg aacatgccat caaagtgcag gggatcgaag ctgaggccca 28080

cggttacgac cgtcgtgtat ataaccacgc ggtattggcc ccacgtggtc acgtccccga 28140

ggggggtgag cgagtgaagc aacagcacgc ggtccgtaaa ctgacggcag aaccgggcca 28200

cgatctccgc gaaggagacc gtcgacgaaa aaatgcagat gttatcgccc ccgccaaggc 28260

gcgcttccag ctccccaaag aacgtggccc cccgggcgtc cggagaggcg tccggagacg 28320

ggccgctcgg cggcccgggc gggcgcaggg cagcctgcag gagctcggtc cccagacgcg 28380

ggagaaacag gcaccggcgc gccgaaaacc cgggcatggc gtactcgccg accaccacat 28440

gcacgttttt ttcgccccgg agaccgcaca ggaagtccac caactgcgcg ttggcggttg 28500

cgtccatggc gatgatccga ggacatgtgc gcagcaggcg tagcattaac gcatccacgc 28560

ggcccagttg ctgcatcgtt ggcgaataga gctggcccag cgtcgacata acctcgtcca 28620

gaacgaggac gtcgtagttg ttcagaaggt tggggcccac gcgatgaagg ctttccacct 28680

ggacgataag tcggtggaag gggcggtcgt tcataatgta attggtggat gagaagtagg 28740

tgacaaagtc gaccaggcct gactcagcga accgcgtcgc cagggtctgg gtaaaactcc 28800

gacgacagga gacgacgagc acactcgtgt ccggagagtg gatcgcttcc cgcagccagc 28860

ggatcagcgc ggtagttttt cccgacccca ttggcgcgcg gaccacagtc acgcacctgg 28920

ccgtcggggc gctcgcgttg gggaaggtga cgggtccgtg ctgctgccgc tcgatcgttg 28980

ttttcgggtg aacccggggc acccattcgg ccaaatcccc cccgtataac atccgcgcta 29040

gcgatacgct cgacgtgtac tgttcgcact cgtcgtcccc aatgggacgc ccggccccca 29100

gaggatcccc cgactccgcg ccccccacga aaggcatgac cggggcgcgg acggcgtggt 29160

gggtctggtg tgtgcaggtg gcgacgtttg tggtctctgc ggtctgcgtc acggggctcc 29220

tcgtcctggc ctctgtgttc cgggcacggt ttccctgctt ttacgccacg gcgagctctt 29280

atgccggggt taactccacg gccgaggtgc gcgggggtgt agccgtgccc ctcaggttgg 29340

acacgcagag ccttgtgggc acttatgtaa tcacggccgt attgttgttg gccgcggccg 29400

tgtatgccgt ggtcggcgcc gtgacctccc gctacgaccg cgccctggac gcgggccgcc 29460

gtctggctgc ggcccgcatg gccatgccgc acgccacgct gatcgccgga aacgtctgct 29520

cttggttgct gcagatcacc gtcctgctgc tggcccatcg catcagccag ctggcccacc 29580

tggtttacgt cctgcacttt gcgtgtctgg tgtattttgc ggcccatttt tgcaccaggg 29640

gggtcctgag cgggacgtat ctgcgtcagg tgcacggcct gatggagctg gccccgaccc 29700

atcatcgcgt cgtcggcccg gctcgcgccg tgctgacaaa cgccttgctg ttgggcgtct 29760

tcctgtgcac ggccgacgcc gcggtatccc tgaataccat cgccgcgttc aactttaatt 29820

tttcggcccc gggcatgctc atctgcctga ccgtgctgtt cgccattctc gtcgtatcgc 29880

tgttgttggt ggtcgagggg gtgttgtgtc actacgtgcg cgtgttggtg ggcccccacc 29940

tgggggccgt tgccgccacg ggcatcgtcg gcctggcctg cgagcactat tacaccaacg 30000

gctactacgt ggtggagacg cagtggccgg gggcacagac gggagtgcgc gtcgccctcg 30060

ccctggtcgc cgcctttgcc ctcggcatgg ccgtgctccg ctgcacccgc gcctatctgt 30120

atcacaggcg gcaccacacc aaatttttta tgcgcatgcg cgacacgcga caccgcgcac 30180

attccgccct caagcgcgta cgcagttcca tgcgcggatc gcgagacggc cgccacaggc 30240

ccgcgcccgg cagcccgccc gggattcccg aatatgcgga agacccctac gcgatctcat 30300

acggcggcca gctcgaccgg tacggagatt ccgacgggga gccgatttac gacgaggtgg 30360

cggacgacca aaccgacgta ttgtacgcca agatacaaca cccgcggcac ctgcccgacg 30420

acgagcccat ctatgacacc gttgggggggt acgaccccga gcccgccgag gaccccgtgt 30480

acagcaccgt ccgccgttgg tagctgtttg gttccgtttt aataaaccgt ttgtgtttaa 30540

cccgaccgtg gtgtatgtct ggtgtgtggc gtccgatccc gttactatca ccgtcccccc 30600

ccctcaaccc cggcgattgt gggtttttta aaaacgacac gcgtgcgacc gtatacagaa 30660

cattattttg gtttttattc gctatcggac atgggggtg gaaactgggt ggcggggcag 30720

gcgcctccgg gggtccgccg gtgagtgtgg cgcgaggggg ggtccgacga acgcaggcgc 30780

ggtctccccg gggcccgcgt aaccacgcgc atatccgggg gcacgtagaa attaccttcc 30840

tcttcggact cgatatccac gacgtcaaag tcgtgggcgg tcagcgagac gacctccccg 30900

tcgtcggtga tgaggacgtt gtttcggcag cagcagggcc gggccccgga gaacgagagg 30960

cccatagctc ggcgagcgtg tcgtcgaacg ccaggcggct gcttcgctgg atggccttat 31020

agatctccgg atcgatgcgg acgggggtaa tgatcagggc gatcggaacg gcctggttcg 31080

ggagaatgga cgccttgctg ggtcctgcgg ccccgagagc cccggcgccg tcctccaggc 31140

ggaacgttac gccctcctcc gcgctggtgc ggtgcctgcc gataaacgtc accagatgcg 31200

ggtgggggggg gcagtcgggg aagtggctgt cgagcacgta gccctgcacc aagatctgct 31260

taaagttcgg gtggcggggg ttcgcgaaga cgggctcgcg gcggaccaga tccccggagc 31320

tccaggacac gggggagatg gtgtggcgtc cgaggtcggg ggcgccaaac agaagcacct 31380

ccgagacaac gccgctattt aactccacca aggcccgatc cgcggcggag caccgccttt 31440

tttcgcccga ggcgtgggcc tctgaccagg cctggtcttg cgtgacgaga gcctcctccg 31500

ggccggggac gcgcccgggc gcgaagtatc gcacgctggg cttcgggatc gaccggataa 31560

atgcccggaa cgcctccggg gaccggtgtg ccatcaagtc ctcgtacgcg gaggccgtgg 31620

ggtcgctggg gtccatgggg tcgaaagcgt acttggcccg gcatttgacc tcgtaaaagg 31680

ccaggggggt cttggggact ggggccaggt agccgtgaat gtcccgagga cagacgagaa 31740

tatccaggga cgccccgacc atccccgtgt gaccgtccat gaggacccca cacgtatgca 31800

cgttctcttc ggcgaggtcg ctgggttcgt ggaagataaa gcgccgcgtg tcggcgccgg 31860

cctcgccgcc gtcgtccgcg cggcccacgc agtagcgaaa cagcaggctt cgggccgtcg 31920

gctcgttcac ccgcccgaac atcaccgccg aagactgtac atccggtcgc aggctggcgt 31980

tgtgcttcag ccactggggc gagaaacacg gaccctgggg gccccagcgg agggtggatg 32040

cggtcgtgag gccccgccgg agcagggccc atagctggca gtcggcctgg ttttgcgtgg 32100

ccgcctcgta aaaccccatg aggggccggg gcgccacggc gtccgcggcg gccgggggg 32160

cgcggcgcgt caggcgccat aggtgccggc cgagtccgcg gtccaccata cccgcctcct 32220

cgaggaccac ggccagggaa cacagataat ccaggcgggc ccagagggga ccgatggcca 32280

gaggggcgcg gacgccgcgc agcaacccgc gcaggtggcg ctcgaacgtc tcggctagta 32340

tatgggaggg cagcgcgttg gggatcaccg acgccgacca catagagtca aggtccgggg 32400

agtcgggatc ggcgtccggg tcgcgggcgt gggtgccccc aggagatagc ggaatgtccg 32460

gggtcggagg cccggaggcg tcagaaagtg ccggcgacgc ggcccggggc ttttcgtctg 32520

cggtgtcggt ggcgtgctga tcacgtgggg ggttatcggg cgaatgggag ctcgggtcca 32580

cagctgacgt cgtctggggt gggggggggca ggggacggaa ggtggttgtc agcggaagac 32640

tgttagggcg ggggcgcttg gggggggctgt cggggccacg aggggtgtcc tcggccaggg 32700

cccagggacg cttagtcacg gtgcgtcccg gcggacatgc tgggcctacc gtggactcca 32760

tttccgagac gacgtggggg gagcggtggt tgagcgcgcc gccgggtgaa cgctgattct 32820

cacgacagcg cgtgccgcgc gcacgggttg gtgtgacaca ggcgggacac cagcaccagg 32880

agaggcttaa gctcgggagg cagcgccacc gacgacagta tcgccttgtg tgtgtgctgg 32940

taatttatac accgatccgt aaacgcgcgc cgaatcttgg gattgcggag gtggcgccgg 33000

atgccctctg ggacgtcata cgccaggccg tgggtgttgg tctcggccga gttgacaaac 33060

agggctgggt gcagcacgca gcgataggcg agcagggcca gggcgaagtc cggcgacagc 33120

tggttgttga aatactggta accgggaaac cgggtcacgg gtacgcccag gctcggggcg 33180

acgtacacgc taaccaccaa ctccagcagc gtctggccca gggcgtacag gtcaaccgct 33240

agcccgacgt cgtgcttcag gcggtggttg gtaaattcgg cccgttcgtt gttaaggtat 33300

ttcaccaaca gctccggggg ctggttatac ccgtgaccca ccagggtgtg aaagttggct 33360

gtggttaggg cggtgggcat gccaaacatc cgggggggact tgaggtccgg ctcctggagg 33420

caaaactgcc cccgggcgat cgtggagttg gagttgaggg tgacgaggct aaagtcggcg 33480

aggacggccc gccggagcga gacggcgtcc gaccgcagca tgacgaggat gttggcgcac 33540

ttgatatcca ggtggctgat cccgcaggtg gtgtttaaaa acacaacggc acgggccagc 33600

tccgtgaagc actggtggag ggccgtcgag accgaggggt ttgttgtgcg cagggacgcc 33660

agttggccga tatacttacc gaggtccatg tcgtacgcgg ggaacactat ctgtcgttgt 33720

tgcagcgaga acccgagggg cgcgatgaag ccgcggatgt tgtgggtgcg gccggcgcgt 33780

agagcgcact ccccgaccaa cagggtcgcg atgagctcaa cggcaaacca ctccttttcc 33840

tttatggtct taacggcaag cttatgttcg cgaatcagtt ggacttcgcc gtatccccca 33900

gacccccga agcttcgggc cccggggatc tcgagggtcg tgtagtgtag ggcggggttg 33960

atggcgaaca cggggctgca tagcttgcgg atgcgcgtga gggtgaggat gtgcgagggg 34020

gacgaggggg gtgcggttaa cgccgcctgg gatctgcgca ggggcgggcg gttcagtttg 34080

gccgccgtac cgggcgcctc gggggacgcg cggcgatgag acgagcggct cattcgccat 34140

cgggatagtc ccgcgcgaag ccgctcgcgg aggccggatc ggtggcggca cccgtgggag 34200

gagcgggaga cggcggcgtt ctggagagag gggccgctgg ggcgcccgga ggccccatgg 34260

gggttggagt gtatgtagga tgcgagccaa tccttgaagg accgttggcg tgcaccttgg 34320

gggctgaggt tagctgccac atgaccagca ggtcgctgtc tgcgggactc atccatcctt 34380

cggccaggtc gccgtctccc cacagagaag cgttggtcgc tgcctcctcg agttgctcct 34440

cctggtccgc aagacgatcg tccacggcgt ccaggcgctc accaagcgcc ggatcgaggt 34500

accgtcggtg tgcggttaga aagtcacgac gcgccgcttg ctcctccacg cgaattttaa 34560

cacaggtcgc gcgctgtcgc atcatctcta agcgcgcgcg ggactttagc cgcgcctcca 34620

attccaagtg ggccgccttt gcagccataa aggcgccaac aaaccgagga tcttgggtgc 34680

tgacgccctc ccggtgcagc tgcagggtct ggtccttgta aatctcggct cggaggtgcg 34740

tctcggccag gcgtcggcgc agggccgcgt gggcggcatc tcggtccatt ccgccaccct 34800

gcgggcgacc cgggggtgct ctgatagtct cgcgtgccca aggcccgtga tcggggtact 34860

tcgccgccgc gacccgccac ccggtgtgcg cgatgtttgg tcagcagctg gcgtccgacg 34920

tccagcagta cctggagcgc ctcgagaaac agaggcaact taaggtgggc gcggacgagg 34980

cgtcggcggg cctcacaatg ggcggcgatg ccctacgagt gccctttta gatttcgcga 35040

ccgcgacccc caagcgccac cagaccgtgg tcccgggcgt cgggacgctc cacgactgct 35100

gcgagcactc gccgctcttc tcggccgtgg cgcggcggct gctgtttaat agcctggtgc 35160

cggcgcaact aaaggggcgt gatttcgggg gcgaccacac ggccaagctg gaattcctgg 35220

cccccgagtt ggtacgggcg gtggcgcgac tgcggtttaa ggagtgcgcg ccggcggacg 35280

tggtgcctca gcgtaacgcc tactatagcg ttctgaacac gtttcaggcc ctccaccgct 35340

ccgaagcctt tcgccagctg gtgcactttg tgcgggactt tgcccagctg cttaaaacct 35400

ccttccgggc ctccagcctc acggagacca cgggcccccc caaaaaacgg gccaaggtgg 35460

acgtggccac ccacggccgg acgtacggca cgctggagct gttccaaaaa atgatcctta 35520

tgcacgccac ctactttctg gccgccgtgc tcctcgggga ccacgcggag caggtcaaca 35580

cgttcctgcg tctcgtgttt gagatccccc tgtttagcga cgcggccgtg cgccacttcc 35640

gccagcgcgc caccgtgttt ctcgtccccc ggcgccacgg caagacctgg tttctggtgc 35700

ccctcatcgc gctgtcgctg gcctcctttc gggggatcaa gatcggctac acggcgcaca 35760

tccgcaaggc gaccgagccg gtgtttgagg agatcgacgc ctgcctgcgg ggctggttcg 35820

gttcggcccg agtggaccac gttaaagggg aaaccatctc cttctcgttt ccggacgggt 35880

cgcgcagtac catcgtgttt gcctccagcc acaacacaaa cgtaagtcct cttttctttc 35940

gcatggctct cccaaggggc cccgggtcga cccgacccac acccacccac ccacatacac 36000

acacaaccag acgcgggagg aaagtctgcc ccgtgggcac tgatttttat tcgggatcgc 36060

ttgaggaggc ccgggcaacg gcccgggcaa cggtggggca actcgtagca aataggcgac 36120

tgatgtacga agagaagaca cacaggcgcc acccggcgct ggtcgggggg atgttgtccg 36180

cgccgcaccg tcccccgacg acctcttgca gacggtccgt gatgcaagga cggcgggggg 36240

cctgcagcag ggtgaccgta tccacgggat ggccaaagag aagcggacac aggctagcat 36300

ccccctggac cgccagggta cactgggcca tcttggccca cagacacggg gcgacgcagg 36360

gacaggactc cgttacgacg gaggagagcc acagtgcgtt ggcggaatcg atgtggggcg 36420

gcggggcgca ggactcgcag ccccccgggt ggttagtgat cctggccagg agccatccca 36480

gatggcgggc cctgcttccc ggtggacaga gcgaccccag gtcgctgtcc atggcccagc 36540

agtagatctg gccgctgggg aggtgccacc aggcccccgg gcccaaggcg cagcacgcgc 36600

ccggctccgg gggggtcttc gcggggacca gatacgcgcc atccagctcg ccgaccactg 36660

gctcctccgc gagctgttcg gtggttgggt cgggggtttc ctccgggggg gtggccgccc 36720

gtatgcgggc gaacgtgagg gtgcacagga gcggggtcag ggggtgcgtc acgctccgga 36780

ggtggacgat cgcgcagtag cggcgctcgc ggttaaagaa aaagagggca aagaaggtgt 36840

tcgggggcaa ccgcagcgcc ttggggcgcg tcagatacag aaaaatctcg cagaagaggg 36900

cgcgcccggg gtctgggtta ggaagggcca cctgacacag aggctcggtg aggaccgtta 36960

gacaccgaaa gatcttgagc cgctcgtccg cccgaacgac gcgccacaca aagacggagt 37020

tgacaatgcg cgcgatagag tcgacgtccg tccccaggtc gtcgactctg tcgcgcgtgc 37080

cgcgagctcc ggcccgggaa tccggccggg gcaaggtccc cgggggacca ggcggcgcca 37140

ggggccgccg gggtcccagc tgcgccatgc cgggggcggg gggagggcaa accccagagg 37200

cgggggccaa cggcgcgggg aggagtggat gggcgaggtg gccgggggaa ggcgcccgct 37260

agcgagaacg gccgttcccg gacgacacct tgcgacaaaa cctaaggaca gcggcccgcg 37320

cgacggggtc cgagaggcta aggtaggccg cgatgttaat ggtgaacgca aagccgccgg 37380

gaaagacaac tatgccacag aggcggcgat taaaccccag gcagaggtag gcgtagcttt 37440

ccccgggcag gtattgctcg cagaccctgc gtggggctgt ggaggggacg gcctccatga 37500

agcgacattt actctgctcg cgtttactga cgtcaccatc catcgccacg gcgattggac 37560

gattgttaag ccgcagcgtg tctccgcttg tgctgtagta gtcaaaaacg taatggccgt 37620

cggagtcggc aaagcgggcc gggaggtcgt cgccgagcgg gacgacccgc cgcccccgac 37680

cgccccgtcc ccccaggtgt gccaggacgg ccagggcata cgcggtgtga aaaaaggcgt 37740

cgggggcggt cccctcgacg gcgcgcatca ggttctcgag gagaatgggg aagcgcctgg 37800

tcacctcccc cagccacgcg cgttggtcgg ggccaaagtc atagcgcagg cgctgtgaga 37860

ttcgcgggcc gccctgaagc gcggcccgga tggcctggcc cagggcccgg aggcacgcca 37920

gatgtatgcg cgcggtaaag gcgacctcgg cggcgatgtc aaagggcggc aggacggggc 37980

gcgggtggcg caggggcacc tcgagcgcgg gaaagcggag cagcagctcc gcctgcccag 38040

cgggagacag ctggtggggg cgcacgacgc gttctgcggc gcaggcctcg gtcagggccg 38100

tggccagcgc cgaggacagc agcggagggc gggcgcgtcg cccgccccac gccactgagt 38160

tctcgtagga gacgacgacg aagcgctgct tggttccgta gtggtggcgc aggaccacgg 38220

agatagaacg acggctccac agccagtccg gccggtcgcc gccggccagg gcttcccatc 38280

cgcgatccaa ccactcgacc agcgaccgcg gctttgtggt accaggggta agggttagaa 38340

cgtcgttcag gatgtcctcg cccccgggcc cgtggggcgc tggggccaca aagcggcccc 38400

cgccgggggg ctccagaccc gccagcaccg catctgcgtc agccgccccc atggcgcccc 38460

cgctgacggc ctggtgaacc agggcgccct ggcggagccc cgatgcaacg ccacaggccg 38520

cacgcccggt ccgagcgcgg accgggtggc ggcgggtgac gtcctgcact gcccgctgaa 38580

ccaacgcgag gatctcctcg ttctcctgtg cgatggacac gtcctgggcc gcggtcgtgt 38640

cgccgccggg ggccgtcagc tgctcctccg gggagatggg ggggtcggac gccccgacga 38700

tgggcgggtc tgcgggcgcc cccgcgtggg gccgggccaa gggctgcgga cgcggggacg 38760

cgctttcccc cagacccatg gacaggtggg ccgcggcctc cttcgcggcc ggcggggcgg 38820

cggcgccaag cagagcgacg tagcggcaca aatgccgaca gacgcgcatg atgcgcgtgc 38880

tgtcggccgc gtagcgcgtg ttgggggggа cgagctcgtc gtaactaaac agaatcacgc 38940

gggcacagct cgcccccgag ccccacgcga ggcgcagcgc cgccacggcg tacgggtcat 39000

agacgccctg cgcgtcacac accacgggca gggagacgaa caaccccccg gcgctggacg 39060

cacgcggaag gaggccaggg tgtgccggca cgacgggggc cagaagctcc cccaccgcat 39120

ccgcgggcac gtaggcggca aacgccgtgc accacggggt acagtcgccg gtggcatgag 39180

cccgagtctg gatttcgacc tggaagtttg cggccgtccc gagtccgggg cggccgcgca 39240

tcagggcggc cagagggatt cccgcggccg ccaggcactc gctggatatg atgacgtgaa 39300

ccaaagacga gggccgaccc gggccgtggc cgagatcgta ctggacctcg ttggccaagt 39360

gcgcgttcat ggttcggggt gggtgtgggt gtgtaggcga tgcgggtccc ccgagtccgc 39420

gggaagggcg tgggtttggc gcgcgtatgc gtattcgcca acggaggcgt gcgtgcttat 39480

gcgcggcgcg tttcttctgt ctccagggaa tccgaggcca ggactttaac ctgctctttg 39540

tcgacgaggc caactttatt cgcccggatg cggtccagac gattatgggc tttctcaacc 39600

aggccaactg caagattatc ttcgtgtcgt ccaccaacac cgggaaggcc agtacgagct 39660

ttttgtacaa cctccgcggg gccgccgacg agcttctcaa cgtggtgacc tatatatgcg 39720

atgatcacat gccgagggtg gtgacgcaca caaacgccac ggcctgttct tgttatatcc 39780

tcaacaagcc cgttttcatc acgatggacg gggcggttcg ccggaccgcc gatttgtttc 39840

tggccgattc cttcatgcag gagatcatcg ggggccaggc cagggagacc ggcgacgacc 39900

ggcccgttct gaccaagtct gcgggggagc ggtttctgtt gtaccgcccc tcgaccacca 39960

ccaacagcgg cctcatggcc cccgatttgt acgtgtacgt ggatcccgcg ttcacggcca 40020

acacccgagc ctccgggacc ggcgtcgctg tcgtcgggcg gtaccgcgac gattatatca 40080

tctttgccct ggagcacttt tttctccgcg cgctcacggg ctcggccccc gccgacatcg 40140

cccgctgcgt cgtccacagt ctgacgcagg tcctggcctt gcatcccggg gcgtttcgcg 40200

gcgtccgggt ggcggtcgag ggaaatagca gccaggactc ggccgtcgcc atcgccacgc 40260

acgtgcacac agagatgcac cgcctactgg cctcggaggg ggccgacgcg ggctcgggcc 40320

ccgagcttct cttctaccac tgcgagcctc ccgggagcgc ggtgctgtac ccctttttcc 40380

tgctcaacaa acagaagacg cccgcctttg aacactttat taaaaagttt aactccgggg 40440

gcgtcatggc ctcccaggag atcgtttccg cgacggtgcg cctgcagacc gacccggtcg 40500

agtatctgct cgagcagctg aataacctca ccgaaaccgt ctcccccaac actgacgtcc 40560

gtacgtattc cggaaaacgg aacggcgcct cggatgacct tatggtcgcc gtcattatgg 40620

ccatctacct tgcggcccag gccggacctc cgcacacatt cgctcccatc acacgcgttt 40680

cgtgagcgcc caataaacac acccaggtat gctacgcacg accacggtgt cgcctgttaa 40740

ggggggggaa gggggtgttg gcgggaagcg tgggaacacg ggggattctc tcacgaccgg 40800

caccagtacc acccccctgt gaacacagaa acccaaccca aatcccataa acatacgaca 40860

cacaggcata ttttggaatt tcttgggttt ttatttattt aggtatgctg gggtttctcc 40920

ctggatgccc acccccacc ccccccgtg ggtctagccg ggccttaggg atagcgtata 40980

acgggggcca tgtctccgga ccgcacaacg gccgcgccgt caaaggtgca cacccgaacc 41040

acgggagcca gggccaaggt gtctcctagt tggcccgcgt gggtcagcca ggcgacgagc 41100

gcctcgtaaa gcggcagcct tcgctctcca tcctgcacca gggccggggc ttcggggtga 41160

atgagctggg cggcctcccg cgtgacactc tgcatctgca ggagagcgtt cacgtacccg 41220

tcctgggcac ttagcgcaaa gagccggggg attagcgtaa ggatgatggt ggttccctcc 41280

gtgatcgagt aaaccatgtt aaggaccagc gatcgcagct cggcgtttac gggaccgagt 41340

tgttggacgt ccgccagcag cgagaggcga ctcccgttgt agtacagcac gttgaggtct 41400

ggcagccctc cggggtttct ggggctgggg ttcaggtccc ggatgcccct ggccacgagc 41460

cgcgccacga tttcgcgcgc caggggcgat ggaagcggaa cgggaaaccg caacgtgagg 41520

tccagcgaat ccaggcgcac gtccgtcgct tggccctcga acacgggcgg gacgaggctg 41580

atggggtccc cgttacagag atctacgggg gaggtgttgc gaaggttaac ggtgccggcg 41640

tgggtgaggc ccacgtccag gggacaggcg acgattcgcg tgggaagcac ccgggtgatg 41700

accgcgggga agcgccttcg gtacgccagc aacaacccca acgtgtcggg actgacgcct 41760

ccggagacga aggattcgtg cgccacgtcg gccagcgtca gttgccggcg gatggtcggc 41820

aggaatacca cccgcccttc gcagcgctgc agcgccgccg catcggggcg cgagatgccc 41880

gagggtatcg cgatgtcagt ttcaaagccg tccgccagca tggcgccgat ccacgcggca 41940

gggagtgcag tggtggttcg ggtggcggga ggagcgcggt gggggtcagc ggcgtagcag 42000

agacgggcga ccaacctcgc ataggacggg gggtgggtct taggggttg ggaggcgaca 42060

gggaccccag agcatgcgcg gggaggtctg tcgggcccag acgcaccgag agcgaatccg 42120

tccacggagt cccggtctgg gttttatggg gcccggccct cggaatcgcg gcttgtcggc 42180

ggggacaaag ggggcggggc taggggggctt gcggaaacag aagacgcgtg ggataaaaga 42240

atcgcactac cccaaggaag ggcggggcgg tttattacag agccagtccc ttgagcgggg 42300

atgcgtcata gacgagatac tgcgcgaagt gggtctcccg cgcgtgggct tccccgttgc 42360

gggcgctgcg gaggagggcg gggtcgctgg cgcaggtgag cgggtaggcc tcctgaaaca 42420

ggccacacgg gtcctccacg agttcgcggc accccggggg gcgcttaaac tgtacgtcgc 42480

tggcggcggt ggccgtggac accgccgaac ccgtctccac gatcaggcgc tccaggcagc 42540

gatgtttggc ggcgatgtcg gccgacgtaa agaacttaaa gcaggggctg agcaccggcg 42600

aggccccgtt gaggtggtag gccccgttat agagcaggtc cccgtacgaa aatcgctgcg 42660

acgcccacgg gttggccgtg gccgcaaagg cccgggacgg gtcgctctgg ccgtggtcgt 42720

acatgagggc ggtgacatcc ccctccttgt cccccgcgta aacgcccccg gcggcgcgtc 42780

cccgggggtt gcagggccgg cggaagtagt tgacgtcggt cgacacgggg gtggcgataa 42840

actcacacac ggcgtcctgg ccgtggtcca tccctgcgcg ccgcggcacc tgggcgcacc 42900

cgaacacggg gacgggctgg gccggcccca ggcggtttcc cgccacgacc gcgttccgca 42960

ggtacacggc tgccgcgttg tccaggagag ggggagcccc gcggcccagg taaaagtttt 43020

ggggaaggtt gcccatgtcg gtgacggggt tgcggacggt tgccgtggcc acgacggcgg 43080

tgtagcccac gcccaggtcc acgttcccgc gcggctgggt gagcgtgaag tttacccccc 43140

cgccagtttc gtgccgggcc acctggagct ggcccaggaa gtacgcctcc gacgcgcgct 43200

ccgagaacag catgttctca gtcacaaagc ggtcctgtcg gacgacggtg aacccaaacc 43260

cgggatggag gcccgtcttg agctgatgat gcaaggccac gggactgatc ttgaagtacc 43320

ccgccatgag cgcgtaggtc agcgcgttct ccccggccgc gctctcgcgg acgtgctgca 43380

cgacgggctg tcggatcgac gaaaagtagt tggcccccag agccgggggg accaggggga 43440

cctgccgcga caggtcgcgc agggccgggg ggaaattggg cgcgttcgcc acgtggtcgg 43500

ccccggcgaa cagcgcgttg acgggaaggg ggtaaaaata gtcgccattt tggatggtat 43560

ggtccagatg ctgggggggcc atcagcagga ttccggcgtg caacgccccg tcgaatatgc 43620

gcatgttggt ggtggacgcg gtgttggcgc ccgcgtcggg cgccgccgag cagagcagcg 43680

ccgttgtgcg ttcggccatg ttgtgggcca gcacctgcag cgtgagcatg gcgggcccgt 43740

ccactaccac gcgcccgttg tgaaacatgg cgttgaccgt gttggccacc agattggccg 43800

ggtgcagggg gtgcgcgggg tccgtcacgg ggtcgctggg gcactcctcg ccgggggcga 43860

tctccgggac caccatgttc tgcagggtgg cgtatacgcg gtcgaagcga acccccgcgg 43920

tgcagcagcg gccccgcgag aaggcgggca ccatcacgta gtagtaaatc ttgtggtgca 43980

cggtccagtc cgcccccggg tgcggccggt catccgcggc gtccgcggct cgggcctggg 44040

tgttgtgcag cagctggccg tcgttgcggt tgaagtccgc ggtcgccacg ttacatgccg 44100

ccgcgtacac ggggtcgtgg ccccccgcgc taacccggca gtcgcgatgg cggtccaggg 44160

ccgcgcgccg catcagggcg tcacagtccc acacgagggg tggcagcagc gccgggtctc 44220

gcattaggtg attcagctcg gcttgcgcct gcccgcccag ctccgggccg gtcagggtaa 44280

agtcatcaac cagctgggcc agggcctcga cgtgcgccac caggtcccgg tacacggcca 44340

tgcactcctc gggaaggtct cccccgaggt aggtcacgac gtacgagacc agcgagtagt 44400

cgttcacgaa cgccgcgcac cgcgtgttgt tccagtagct ggtgatgcac tggacaacga 44460

gccgggccag ggcgcagaag acgtgctcgc tgccgtgtat ggcggcctgc agcaggtaaa 44520

acaccgccgg gtagttgcgg tcgtcgaacg ccccgcgaac ggcggcgatg gtggcggggg 44580

ccatggcgtg gcgtcccacc cccagctcca ggccccgggc gtcccggaac gccgccggac 44640

atagcgccag gggcaagttg ccgttcacca cgcgccaggt ggcctggatc tcccccgggc 44700

cggccggggg aacgtccccc cccggcagct ccacgtcggc cacccccacg aagaagtcga 44760

acgcggggtg cagctcaaga gccaggttgg cgttgtcggg ctgcataaac tgctccgggg 44820

tcatctggcc ttccgcgacc catcggaccc gcccgtgggc caggcgctgc ccccaggcgt 44880

tcaaaaacag ctgctgcatg tctgcggcgg ggccggccgg ggccgccacg tacgccccgt 44940

acggattggc ggcttcgacg gggtcgcggt taaggccccc gaccgccgcg tcaacgttca 45000

tcagcgaagg gtggcacacg gtcccgatcg cgtgttccag agacaggcgc agcacctggc 45060

ggtccttccc ccaaaaaaac agctggcggg gcgggaaggc gcggggatcc gggtggccgg 45120

gggcggggac taggtccccg gcgtgcgcgg caaaccgttc catgaccgga ttgaacaggc 45180

ccaggggcag gacgaacgtc aggtccatgg cgcccaccag ggggtaggga acgttggtgg 45240

cggcgtagat gcgcttctcc agggcctcca gaaagaccag cttctcgccg atggacacca 45300

gatccgcgcg cacgcgcgtc gtctgggggg cgctctcgag ctcgtccagc gtctgccggt 45360

tcaggtcgag ctgctcctcc tgcatctcca gcaggtggcg gcccacgtcg tccagacttc 45420

gcacggcctt gcccatcacg agcgccgtga ccaggttggc cccgttcagg accatctcgc 45480

cgtacgtcac cggcacgtcg gcttcggtgt cctccacttt caggaaggac tgcaggaggc 45540

gctgtttgat cggggctgtg gtgactagca ccccgtcgac cggccgcccg cgcgtgtcgg 45600

catgcgtcag acggggcacg gccacggagg gctgcgtggc cgtggtgagg tccacgagcc 45660

aggcctcgac ggcctcccgg cggtggcccg ccttgcccag gaaaaagctc gtctcgcaga 45720

agcttcgctt tagctcggcg accagggtcg cccgggccac cctggtggcc aggcggccgt 45780

tgtccaggta tcgttgcatc ggcaacaaca aagccagggg cggcgccttt tccagcagca 45840

cgtgcagcat ctggtcggcc gtgccgcgct caaacgcccc gaggacggcc tggacgttgc 45900

gagcgagctg ttggatggcg cgcaactggc gatgcgcgct gatacccgtc ccgtccaggg 45960

cctcccccgt gagcagggcg atggcctcgg tggccaggct gaaggcggcg ttcagggccc 46020

ggcggtcgat aatcttggtc atgtaattgt gtgtgggttg ctcgatgggg tgcgggccgt 46080

cgcgggcaat cagcggctgg tggacctcga actgtacgcg cccctcgttc atgtaggcca 46140

gctccggaaa cttggtacac acgcacgcca ccgacaaccc gagctccaga aagcgcacga 46200

gcgacagggt gttgcaatac gaccccagca gggcgtcgaa ctcgacgtcg tacaggctgt 46260

ttgcatcgga gcgcacgcgg gaaaaaaaat cgaacaggcg tcgatgcgac gccacctcga 46320

tcgtgctaag gagggacccg gtcggcacca tggccgcggc ataccggtat cccggagggt 46380

cgcggttggg agcggccatg gggtcgcgtg gagatcggct gtctctagcg atattggccc 46440

ggggaggcta agatccaccc caacgcccgg ccacccgtgt acgtgcccga cggcccaagg 46500

tccaccgaaa gacacgacgg acccggaccc aaagaggcgg gggatgctgt gtgagaggcc 46560

gggtgtcggt cgggggggaa aggcaccggg agaaggctgc ggcctcgttc caggagaacc 46620

cagtgtcccc aacagacccg gggacgtggg atccccggcc ttatataccc ccccccgccc 46680

caccccgtt agaacgcgac gggtgcattc aagatggccc tggtccaaaa gcgtgccagg 46740

aagaaattgg cagaggcggc aaagctgtcc gccgccgcca cccacatcga ggccccggcc 46800

gcacaggcta tccccagggc ccgtgtgcgc aggggatcgg tgggtggcag catttggttg 46860

gtggcgataa agtggaaaag cccgtccgga ctgaaggtct cgtgggcggc ggcgaacaag 46920

gcacacaggg ccgtgcctcc caaaaacacg gacatccccc aaaacacggg cgccgacaac 46980

ggcagacgat ccctcttgat gttaacgtac aggaggagcg cccgcaccgc ccacgtaacg 47040

tagtagccga cgatggcggc caggatacag gccggcgcca ccacccttcc ggtcagcccg 47100

taatacatgc ccgctgccac catctccaac ggcttcagga ccaaaaacga ccaaaggaac 47160

agaatcacgc gctttgaaaa gaccggctgg gtatggggcg gaagacgcga gtatgccgaa 47220

ctgacaaaaa aatcagaggt gccgtacgag gacaatgaaa actgttcctc cagcggcagt 47280

tctccctcct ccccccccgaa ggcggcctcg tcgaccagat ctcgatccac cagaggaagg 47340

tcatcccgca tggtcatggg gtgtgcggtg gaggtgggga gaccgaaacc gcaaagggtc 47400

gcttacgtca gcaggatccc gagatcaaag acacccgggt tcttgcacaa acaccacccg 47460

ggttgcatcc gcggaggcga gtgttttgat aaggccgttc cgcgccttga tataaccttt 47520

gatgttgacc acaaaacccg gaatttacgc ctacgcccca atgcccacgc aagatgaggt 47580

aggtaacccc cccgtgggtg tgacgttgcg tttagttcat tggaggccaa ggggaaaaat 47640

ggggtgggga ggaaacggaa aacccagtag gccgtgtcgg gaacacgccc ggggttgtcc 47700

tcaaaaggca gggtccatac tacggaagcc gtcgttgtat tcgagacctg cctgtgcgac 47760

gcacgtcggg gttgcctgtg tccggttcgg cccccaccgc gtgcggcacg cacgaggacg 47820

agtccgcgtg ctttattggc gttccaagcg ttgccctcca gtttctgttg tcggtgttcc 47880

cccataccca cgcccacatc caccgtaggg ggcctctggg ccgtgttacg tcgccgcccg 47940

cgatggagct tagctacgcc accaccatgc actaccggga cgttgtgttt tacgtcacaa 48000

cggaccgaaa ccgggcctac tttgtgtgcg gggggtgtgt ttattccgtg gggcggccgt 48060

gtgcctcgca gcccggggag attgccaagt ttggtctggt cgttcgaggg acaggcccag 48120

acgaccgcgt ggtcgccaac tatgtacgaa gcgaactccg acaacgcggc ctgcaggacg 48180

tgcgtcccat tggggaggac gaggtgtttc tggacagcgt gtgtcttcta aacccgaacg 48240

tgagctccga gctggatgtg attaacacga acgacgtgga agtgctggac gaatgtctgg 48300

ccgagtactg cacctcgctg cgaaccagcc cgggtgtgct aatatccggg ctgcgcgtgc 48360

gggcgcaaga cagaatcatc gagttgtttg aacacccaac gatagtcaac gtttcctcgc 48420

actttgtgta taccccgtcc ccatacgtgt tcgccctggc ccaggcgcac ctcccccggc 48480

tcccgagctc gctggaggcc ctggtgagcg gcctgtttga cggcatcccc gccccacgcc 48540

agccacttga cgcccacaac ccgcgcacgg atgtggttat cacgggccgc cgcgccccac 48600

gacccatcgc cgggtcgggg gcggggtcgg ggggcgcggg cgccaagcgg gccaccgtca 48660

gcgagttcgt gcaagtcaaa cacattgacc gcgtgggccc cgctggcgtt tcgccggcgc 48720

ctccgccaaa caacaccgac tcgagttccc tggtgcccgg ggcccaggat tccgccccgc 48780

ccggccccac gctaagggag ctgtggtggg tgttttatgc cgcagaccgg gcgctggagg 48840

agccccgcgc cgactctggc ctcacccgcg aggaggtacg tgccgtacgt gggttccggg 48900

agcaggcgtg gaaactgttt ggctccgcgg gggccccgcg ggcgtttatc ggggccgcgt 48960

tgggcctgag ccccctccaa aagctggccg tttactacta tatcatccac cgagagaggc 49020

gcctgtcccc cttccccgcg ctagtccggc tcgtaggccg gtacacacag cgccacggcc 49080

tgtacgtccc tcggcccgac gacccagtct tggccgatgc catcaacggg ctggttcgcg 49140

acgcgctggc ggccggaacc acagccgagc agctcctcat gttcgacctt ctccccccaa 49200

aggacgtgcc ggtgggaagc gacgtgcagg ccgacagcac cgctctgctg cgctttatag 49260

aatcgcaacg tctcgccgtc cccgggggggg tgatctcccc cgagcacgtc gcgtaccttg 49320

gtgcgttcct gagcgtgctg tacgctggcc gcgggcgcat gtccgcagca acgcacaccg 49380

cgcggctgac aggggtgacc tccctggtgc tagcggtggg tgacgtggac cgtctttccg 49440

cgtttgaccg cggagcggcg ggcgcggcca gccgcacgcg ggccgccggg tacctggatg 49500

tgcttcttac cgttcgtctc gctcgctcca aacacggaca gtctgtgtaa cagaccccaa 49560

taaacgtatg tcgctaccac acccttgtgt gtcaatggac gcctctccgg gggggaaggg 49620

aaaacaaaga ggggctgggg gagcggcacc actggggcct gaacaaacaa acaaaccaca 49680

gacacggtta cagtttattc ggtcgggcgg ataaacggcc gaagccacgc ccccttttatt 49740

cgcgtctcca aaaaaacggg acacttgtcc ggagaacctt taggatgcca gccagggcgg 49800

cggtaatcat aaccacgccc agcgcagagg cggccagaaa cccgggcgca attgcggcca 49860

cgggctgcgt gtcaaaggct agcaaatgaa tgacggttcc gtttggaaat agcaacaagg 49920

ccgtggacgg cacgtcgctc gaaaacacgc tcggggcgcc ctccgtcggc ccggcggcga 49980

tttgctgctg tgtgttgtcc gtatccacca gcaacacaga catgacctcc ccggctgggg 50040

tgtagcgcat aaacacggcc cccacgagcc ccaggtcgcg ctggttttgg gtgcgcacca 50100

gccgcttgga ctcgatatcc cgggtggagc cttcgcatgt cgcggtgagg taggttagga 50160

acagtgggcg tcggacgtcg acgccggtga gcttgtagcc gatcccccgg ggcagagggg 50220

agtgggtgac gacgtagctg gcgttgtggg tgatgggtac caggatccgt ggctcgacgt 50280

tggcagactg ccccccgcac cgatgtgagg cctcagggac gaaggcgcgg atcagggcgt 50340

tgtagtgtgc ccagcgcgtc agggtcgagg cgaggccgtg ggtctgctgg gccaggactt 50400

cgaccggggt ctcggatcgg gtggcttgag ccagcgcgtc caggataaac acgctctcgt 50460

ctagatcaaa gcgcagggag gccgcgcatg gcgaaaagtg gtccggaagc caaaagaggg 50520

ttttctggtg gtcggcccgg gccagcgcgg tccggaggtc ggcgttggtc gctgcggcga 50580

cgtcggacgt acacagggcc gatgctatca gaaggctccg gcgggcgcgt tcccgctgca 50640

ccgccgaggg gacgcccgcc aagaacggct gccggaggac agccgaggcg taaaatagcg 50700

cccggtggac gaccggggtg gtcagcacgc ggccccctag aaactcggca tacagggcgt 50760

cgatgagatg ggctgcgctg ggcgccactg cgtcgtacgc cgaggggcta tccagcacga 50820

aggccagctg atagcccagc gcgtgtaatg ccaagctctg ttcgcgctcc agaatctcgg 50880

ccaccaggtg ctggagccga gcctctagct gcaggcgggc cgtgggatcc aagactgaca 50940

cattaaaaaa cacagaatcc gcggcacagc ccgcggcccc gcgggcggcc aacccggcaa 51000

gcgcgcgcga gtgggccaaa aagcctagca ggtcggagag gcagaccgcg ccgtttgcgt 51060

gggcggcgtt cacgaaagca aaacccgacg tcgcgagcag ccccgttagg cgccagaaga 51120

gaggggggcg cgggccctgc tcggcgcccg cgtcccccga gaaaaactcc gcgtatgccc 51180

gcgacaggaa ctgggcgtag ttcgtgccct cctccgggta gccgcccacg cggcggaggg 51240

cgtccagcgc ggagccgttg tcggcccgcg tcagggaccc taggacaaag acccgatacc 51300

gggggccgcc cgggggcccg ggaagagccc ccgggggggtt ttcgtccgcg gggtccccga 51360

cccgatctag cgtctggccc gcggggacca ccatcacttc caccggaggg ctgtcgtgca 51420

tggatatcac gagccccatg aattcccgcc cgtagcgcgc gcgcaccagc gcggcatcgc 51480

acccgagcac cagctccccc gtcgtccaga tgcccacggg ccacgtcgag gccgacgggg 51540

agaaatacac gtacctacct ggggatctca acaggccccg ggtggccaac caggtcgtgg 51600

acgcgttgtg caggtgcgtg atgtccagct ccgtcgtcgg gtgccgccgg gccccaaccg 51660

gcggtcgggg gggcggtgta tcacgcggcc cgcttgggtg gctcgccgtc gccacgttgt 51720

ctccccgcgg gaacgtcagg gcctcggggt cagggacggc cgaaaacgtt acccaggccc 51780

gggaacgcag caacacggag gcgactggat tgtacaagag acccttaagg ggggcgaccg 51840

agggggggagg ctgggcggtc ggctcgaccg tggtgggggc gggcaggctc gcgttcgggg 51900

gccggccgag caggtaggtc ttcgggatgt aaagcagctg gccggggtcc cgcggaaact 51960

cggccgtggt gaccaataca aaacaaaagc gctcctcgta ccagcgaaga aggggcagag 52020

atgccgtagt caggtttagt tcgtccggcg gcgccagaaa tccgcgcggt ggtttttggg 52080

ggtcgggggt gtttggcagc cacagacgcc cggtgttcgt gtcgcgccag tacatgcggt 52140

ccatgcccag gccatccaaa aaccatgggt ctgtctgctc agtccagtcg tggacctgac 52200

cccacgcaac gcccaaaata ataaccccca cgaaccataa accattcccc atgggggacc 52260

ccgtccctaa cccacggggc ccgtggctat ggcagggctt gccgccccga cgttggctgc 52320

gagccctggg ccttcacccg aacttggggg gtggggtggg gaaaaggaag aaacgcgggc 52380

gtattggccc caatggggtc tcggtggggt atcgacagag tgccagccct gggaccgaac 52440

cccgcgttta tgaacaaacg acccaacacc cgtgcgtttt attctgtctt tttattgccg 52500

tcatagcgcg ggttccttcc ggtattgtct ccttccgtgt ttcagttagc ctcccccatc 52560

tcccgggcaa acgtgcgcgc caggtcgcag atcgtcggta tggagccggg ggtggtgacg 52620

tgggtctgga ccatcccgga ggtaagttgc agcagggcgt cccggcagcc ggcgggcgat 52680

tggtcgtaat ccaggataaa gacgtgcatg ggacggaggc gtttggccaa gacgtccaag 52740

gcccaggcaa acacgttgta caggtcgccg ttgggggcca gcaactcggg ggcccgaaac 52800

agggtaaata acgtgtcccc gatatggggt cgtgggcccg cgttgctctg gggctcggca 52860

ccctggggcg gcacggccgt ccccgaaagc tgtccccaat cctcccgcca cgacccgccg 52920

ccctgcagat accgcaccgt attggcaagc agcccgtaaa cgcggcgaat cgcggccagc 52980

atagccaggt caagccgctc gccggggcgc tggcgtttgg ccaggcggtc gatgtgtctg 53040

tcctccggaa gggcccccaa cacgatgttt gtgccgggca aggtcggcgg gatgagggcc 53100

acgaacgcca gcacggcctg gggggtcatg ctgcccataa ggtatcgcgc ggccgggtag 53160

cacaggaggg cggcgatggg atggcggtcg aagatgaggg tgagggccgg gggcggggca 53220

tgtgagctcc cagcctcccc cccgatatga ggagccagaa cggcgtcggt cacggcataa 53280

ggcatgccca ttgttatctg ggcgcttgtc attaccaccg ccgcgtcccc ggccgatatc 53340

tcaccctggt cgaggcggtg ttgtgtggtg tagatgttcg cgattgtctc ggaagccccc 53400

agcacctgcc agtaagtcat cggctcgggt acgtagacga tatcgtcgcg cgaacccagg 53460

gccaccagca gttgcgtggt ggtggttttc cccatcccgt gaggaccgtc tatataaacc 53520

cgcagtagcg tgggcatttt ctgctccagg cggacttccg tggcttcttg ctgccggcga 53580

gggcgcaacg ccgtacgtcg gttgctatgg ccgcgagaac gcgcagcctg gtcgaacgca 53640

gacgcgtgtt gatggcaggg gtacgaagcc atacgcgctt ctacaaggcg cttgccgaag 53700

aggtgcggga gtttcacgcc accaagatct gcggcacgct gttgacgctg ttaagcgggt 53760

cgctgcaggg tcgctcggtg ttcgaggcca cacgcgtcac cttaatatgc gaagtggacc 53820

tgggaccgcg ccgccccgac tgcatctgcg tgttcgaatt cgccaatgac aagacgctgg 53880

gcggggtttg tgtcatcata gaactaaaga catgcaaata tatttcttcc ggggacaccg 53940

ccagcaaacg cgagcaacgg gccacgggga tgaagcagct gcgccactcc ctgaagctcc 54000

tgcagtccct cgcgcctccg ggtgacaaga tagtgtacct gtgccccgtc ctggtgtttg 54060

tcgcccaacg gacgctccgc gtcagccgcg tgacccggct cgtcccgcag aaggtctccg 54120

gtaatatcac cgcagtcgtg cggatgctcc agagcctgtc cacgtatacg gtccccatgg 54180

agcctaggac ccagcgagcc cgtcgccgcc gcggcggcgc cgcccggggg tctgcgagca 54240

gaccgaaaag gtcacactct ggggcgcgcg acccgcccga gtcagcggcc cgccagttac 54300

cacccgccga ccaaaccccc gcctccacgg agggcggggg ggtgcttaag aggatcgcgg 54360

cgctcttctg cgtgcccgtg gccaccaaga ccaaaccccg agccgcctcc gaatgagagt 54420

gtttcgttcc ttccccctcc ccccgcgtca gacaaaccct aaccaccgct taagcggccc 54480

ccgcgaggtc cgaagactca tttggatccg gcgggagcca cccgacaaca gcccccgggt 54540

tttcccacgc cagacgccgg tccgctgtgc catcgcgccc cctcatccca ccccccatct 54600

tgtccccaaa taaaacaagg tctggtagtt aggacaacga ccgcagttct cgtgtgttat 54660

tttcgctctc cgcctctcgc agatggaccc gtactgccca tttgacgctc tggacgtctg 54720

ggaacacagg cgcttcatag tcgccgattc ccgaaacttc atcacccccg agttcccccg 54780

ggacttttgg atgtcgcccg tctttaacct cccccgggag acggcggcgg agcaggtggt 54840

cgtcctacag gcccagcgca cagcggctgc cgctgccctg gagaacgccg ccatgcaggc 54900

ggccgagctc cccgtcgata tcgagcgccg gttacgcccg atcgaacgga acgtgcacaa 54960

gatcgcaggc gccctggagg cgctggagac ggcggcggcc gccgccgaag aggcggatgc 55020

cgcgcgcggg gatgagccgg cgggtggggg cgacgggggg gcgcccccga gtctggccgt 55080

cgcggagatg gaggtccaga tcgtgcgcaa cgacccgccg ctacgatacg acaccaacct 55140

ccccgtggat ctgctacaca tggtgtacgc gggccgcggg gcgaccggat cgtcgggggt 55200

ggtgttcggg acctggtacc gcactatcca ggaccgcacc atcacggact ttcccctgac 55260

cacccgcagt gccgactttc gggacggccg tatgtccaag accttcatga cggcgctggt 55320

actgtccctg cagtcgtgcg gccggctgta tgtgggccag cgccactatt ccgccttcga 55380

gtgcgccgtg ttgtgtctct acctgctgta ccgaaacacg cacggggccg ccgacgatag 55440

cgaccgcgct ccggtcacgt tcggggatct gctgggccgg ctgccccgct acctggcgtg 55500

cctggccgcg gtgatcggga ccgagggcgg ccggccacag taccgctacc gcgacgacaa 55560

gctccccaag acgcagttcg cggccggcgg gggccgctac gaacacggag cgctggcgtc 55620

gcacatcgtg atcgccacgc tgatgcacca cggggtgctc ccggcggccc cgggggacgt 55680

cccccgggac gcgagcaccc acgttaaccc cgacggcgtg gcgcaccacg acgacataaa 55740

ccgcgccgcc gccgcgttcc tcagccgggg ccacaaccta ttcctgtggg aggaccagac 55800

tctgctgcgg gcaaccgcga acaccataac ggccctgggc gttatccagc ggctcctcgc 55860

gaacggcaac gtgtacgcgg accgcctcaa caaccgcctg cagctgggca tgctgatccc 55920

cggagccgtc ccttcggagg ccatcgcccg tggggcctcc gggtccgact cgggggccat 55980

caagagcgga gacaacaatc tggaggcgct atgtgccaat tacgtgcttc cgctgtaccg 56040

ggccgacccg gcggtcgagc tgacccagct gtttcccggc ctggccgccc tgtgtcttga 56100

cgcccaggcg gggcggccgg tcgggtcgac gcggcgggtg gtggatatgt catcgggggc 56160

ccgccaggcg gcgctggtgc gcctcaccgc cctggaactc atcaaccgca cccgcacaaa 56220

ccccaccccc gtgggggagg ttatccacgc ccacgacgcc ctggcgatcc aatacgaaca 56280

ggggcttggc ctgctggcgc agcaggcacg cattggcttg ggctccaaca ccaagcgttt 56340

ctccgcgttc aacgttagca gcgactacga catgttgtac tttttatgtc tggggttcat 56400

tccacagtac ctgtcggcgg tttagtgggt ggtgggcgag gggggagggg gcattaggga 56460

gaaagaacaa gagcctccgt tgggttttct ttgtgcctgt actcaaaagg tcataccccg 56520

taaacggcgg gctccagtcc cggcccggcg gttggcgtga acgcaacggc gggagctggg 56580

ttagcgttta gtttagcatt cgctctcgcc tttccgcccg ccccccgacc gttgcgcctt 56640

ttttttttt cgtccaccaa agtctctgtg ggtgcgcgca tggcagccga tgccccggga 56700

gaccggatgg aggagcccct gccagacagg gccgtgccca tttacgtggc tgggtttttg 56760

gccctgtatg acagcgggga ctcgggcgag ttggcattgg atccggatac ggtgcgtgcg 56820

gccctgcctc cggataaccc actcccgatt aacgtggacc accgcgctgg ctgcgaggtg 56880

gggcgggtgc tggccgtggt cgacgacccc cgcgggccgt tttttgtggg actgatcgcc 56940

tgcgtgcaac tggagcgcgt cctcgagacg gccgccagcg ctgcgatttt cgagcgccgc 57000

gggccgccgc tctcccggga ggagcgcctg ttgtacctga tcaccaacta cctgccctcg 57060

gtctccctgg ccacaaaacg cctgggggggc gaggcgcacc ccgatcgcac gctgttcgcg 57120

cacgtcgcgc tgtgcgcgat cgggcggcgc ctcggcacta tcgtcaccta cgacaccggt 57180

ctcgacgccg ccatcgcgcc ctttcgccac ctgtcgccgg cgtctcgcga gggggcgcgg 57240

cgactggccg ccgaggccga gctcgcgctg tccggacgca cctgggcgcc cggcgtggag 57300

gcgctgaccc acacgctgct ttccaccgcc gttaacaaca tgatgctgcg ggaccgctgg 57360

agcctggtgg ccgagcggcg gcggcaggcc gggatcgccg gacacaccta cctccaggcg 57420

agcgaaaaat tcaaaatgtg gggggcggag cctgtttccg cgccggcgcg cgggtataag 57480

aacggggccc cggagtccac ggacataccg cccggctcga tcgctgccgc gccgcagggt 57540

gaccggtgcc caatcgtccg tcagcgcggg gtcgcctcgc ccccggtact gccccccatg 57600

aaccccgttc cggcatcggg caccccggcc cccgcgccgc ccggcgacgg gagctacctg 57660

tggatcccgg cctcccatta caaccagctc gtcgccggcc acgccgcgcc ccaaccccag 57720

ccgcattccg cgtttggttt cccggctgcg gcgggggccg tggcctatgg gcctcacggc 57780

gcgggtcttt cccagcatta ccctccccac gtcgcccatc agtatcccgg ggtgctgttc 57840

tcgggaccca gcccactcga ggcgcagata gccgcgttgg tgggggccat agccgcggac 57900

cgccaggcgg gcggtcagac ggccgcggga gaccctgggg tccgggggtc gggaaagcgt 57960

cgccggtacg aggcggggcc gtcggagtcc tactgcgacc aggacgaacc ggacgcggac 58020

tacccgtact accccgggga ggctcgaggc gggccgcgcg gggtcgactc tcggcgcgcg 58080

gcccgccagt ctcccgggac caacgagacc atcacggcgc tgatgggggc ggtgacgtct 58140

ctgcagcagg aactggcgca catgcgggct cggaccagcg ccccctatgg aatgtacacg 58200

ccggtggcgc actatcgccc tcaggtgggg gagccggaac caacaacgac ccacccggcc 58260

ctttgtcccc cggaggccgt gtatcgcccc ccaccacaca gcgcccccta cggtcctccc 58320

cagggtccgg cgtcccatgc ccccactccc ccgtatgccc cagctgcctg cccgccaggc 58380

ccgccaccgc ccccatgtcc ttccacccag acgcgcgccc ctctaccgac ggagcccgcg 58440

ttcccccccg ccgccaccgg atcccaaccg gaggcatcca acgcggaggc cggggccctt 58500

gtcaacgcca gcagcgcagc acacgtggac gttgacacgg cccgcgccgc cgatttgttc 58560

gtctctcaga tgatgggggc ccgctgattc gccccggtct ttggtaccat gggatgtctt 58620

actgtatatc tttttaaata aaccaggtaa taccaaataa gacccattgg tgtatgttct 58680

ttttttattg ggaggcgcgg gtaggcgggt agctttacaa tgcaaaagcc ttcgacgtgg 58740

aggaaggcgt gggggggggaa tcggcactga ccaagggggt ccgttttgtc acgggaaagg 58800

aaagaggaaa caggccgcgg acacccgggg gagtttatgt gttccctttt ctttcttccc 58860

acacacacaa aaggcgtacc aaacaaacaa accaaaagat gcacatgcgg tttaacaccc 58920

gtggttttta tttacaacaa acccccccgtc acaggtcgtc ctcgtcggcg tcaccgtctt 58980

tgttgggaac ttgggtgtag ttggtgttgc ggcgcttgcg catgaccatg tcggtgacct 59040

tggcgctgag cagcgcgctc gtgcccttct tcttggcctt gtgttccgtg cgctccatgg 59100

cagacaccag ggccatgtac cgtatcatct cccgggcctc ggctagcttg gcctcgtcaa 59160

agtcgccgcc ctcctcgccc tccccggacg cgtccgggtt ggtggggttc ttgagctcct 59220

tggtggttag cgggtacagg gccttcatgg ggttgctctg cagccgcatg acgtagcgaa 59280

aggcgaagaa agccgccgcc aggccggcca ggaccaacag acccacggcc agcgccccaa 59340

aggggttgga catgaaggag gacacgcccg acacggccga taccacgccg cccacgatgc 59400

ccatcaccac cttgccgacc gcgcgcccca ggtcgcccat cccctcgaag aacgcgccca 59460

ggcccgcgaa catggcggcg ttggcgtcgg cgtggatgac cgtgtcgatg tcggcgaagc 59520

gcaggtcgtg cagctggttg cggcgctgga cctccgtgta gtccagcagg ccgctgtcct 59580

tgatctcgtg gcgggtgtac acctccaggg ggacaaactc gtgatcctcc agcatggtga 59640

tgttgaggtc gatgaaggtg ctgacggtgg tgatgtcggc gcggctcagc tggtgggagt 59700

acgcgtactc ctcgaagtac acgtagcccc cgccgaaggt gaagtagcgc cggtgtccca 59760

cggtgcacgg ctcgatcgca tcgcgcgtca gccgcagctc gttgttctcc cccagctgcc 59820

cctcgaccaa cgggccctgg tcttcgtacc gaaagctgac caggggggcgg ctgtagcagg 59880

ccccgggccg cgagctgatg cgcatcgagt tttggacgat cacgttgtcc gcggcgaccg 59940

gcacgcacgt ggagacggcc atcacgtcgc cgagcatccg cgcgctcacc cgccggccca 60000

cggtggccga ggcgatggcg ttggggttca gcttgcgggc ctcgttccac agggtcagct 60060

cgtgattctg cagctcgcac cacgcgatgg caacgcggcc caacatatcg ttgacatggc 60120

gctgtatgtg gttgtacgta aactgcagcc gggcgaactc gatggaggag gtggtcttga 60180

tgcgctccac ggacgcgttg gcgctggccc cgggcggcgg gggcgtgggg tttgggggct 60240

tgcggctctg ctctcggagg tgttcccgca cgtacagctc cgcgagcgtg ttgctgagaa 60300

ggggctggta cgcgatcaga aagcccccat tggccaggta gtactgcggc tggcccacct 60360

tgatgtgcgt cgcgttgtac ctgcgggcga agatgcggtc catggcgtcg cgggcgtcct 60420

tgccgatgca gtcccccagg tccacgcgcg agagcgggta ctcggtcagg ttggtggtga 60480

aggtggtgga tatggcgtcg gaggagaatc ggaaggagcc gccgtactcg gagcgcagca 60540

tctcgtccac ctcctgccac ttggtcatgg tgcagaccga cgggcgcttt ggcacccagt 60600

cccaggccac ggtgaacttg ggggtcgtga gcaggttccg ggtggtcggc gccgtggccc 60660

gggccttggt ggtgaggtcg cgcgcgtaga agccgtcaac ctgcttgaag cggtcggcgg 60720

cgtagctggt gtgttcggtg tgcgacccct cccggtagcc gtaaaacggg gacatgtaca 60780

caaagtcgcc agtcgccagc acaaactcgt cgtacgggta caccgagcgc gcgtccacct 60840

cctcgacgat gcagtttacc gtcgtcccgt accggtggaa cgcctccacc cgcgaggggt 60900

tgtacttgag gtcggtggtg tgccagcccc ggctcgtgcg ggtcgcggcg ttggccggtt 60960

tcagctccat gtcggtctcg tggtcgtccc ggtgaaacgc ggtggtctcc aggttgttgc 61020

gcacgtactt ggccgtggac cgacagaccc ccttggcgtt gatcttgtcg atcacctcct 61080

cgaaggggac gggggcgcgg tcctcaaaga tccccataaa ctgggagtag cggtggccga 61140

accacacctg cgaaacggtg acgtctttgt agtacatggt ggccttgaac ttgtacgggg 61200

cgatgttctc cttgaagacc accgcgatgc cctccgtgta gttctgaccc tcgggccggg 61260

tcgggcagcg gcgcggctgc tcgaactgca ccaccgtggc gcccgtgggg ggtgggcaca 61320

cgtaaaagtt tgcatcggtg ttctccgcct tgatgtcccg caggtgctcg cgcagggtgg 61380

cgtggcccgc ggcgacggtc gcgttgtcgc cggcggggcg cggcggcggt gggtttttcg 61440

gttttttgtt cttcttcggt ttcgtgtccc ccgttggggc ggggccaggg gcgggcggcg 61500

ccggagtggc aggtcccccg ttcgccgcct gggtcgcggc cgcgacccca ggcgtgccgg 61560

gggaactcgg agccgccgac gccaccagga cccccagcgt caaccccaag agcgcccata 61620

cgacgaacca ccggcacccc cgcgcggggg cgccctggcg catggcggga ctacgggggc 61680

ccgtcgtgcc ccccgtcagg tagcctgggg gcgaggtgct ggaggaccga gtagaggatc 61740

gagaaaacgt ctcggtcgta gaccacgacc gaccgggggc cgatacagcc gtcgggggcg 61800

ctctcgacga tggccaccag cggacagtcg gagtcgtacg tgagatatac gccgggcggg 61860

taacggtaac gaccttcgga ggtcgggcgg ctgcagtccg ggcggcgcaa ctcgagctcc 61920

ccgcaccggt agaccgaggc aaagagtgtg gtggcgataa tcagctcgcg aatatatcgc 61980

caggcggcgc gctgagtggg cgttattccg gaaatgccgt caaaacagta aaacctctga 62040

aattcgctga cggcccaatc agcacccgag ccccccgccc ccatgatgaa ccgggcgagc 62100

tcctccttca ggtgcggcag gagccccacg ttctcgacgc tgtaatacag cgcggtgttg 62160

gggggctggg cgaagctgtg ggtggagtga tcaaagaggg gcccgttgac gagctcgaag 62220

aagcgatggg tgatgctggg gagcagggcc gggtccacct ggtgtcgcag gagagacgct 62280

cgcatgaacc ggtgcgcgtc gaacacgccc ggcgccgagc ggttgtcgat gaccgtgccc 62340

gcgcccgccg tcagggcgca gaagcgcgcg cgcgccgcaa agccgttggc gaccgcggcg 62400

aacgtcgcgg gcagcacctc gccgtggacg ctgacccgca gcatcttctc gagctccccg 62460

cgctgctcgc ggacgcagcg ccccaggctg gccaacgacc gcttcgtcag gcggtccgcg 62520

tacagccgcc gtcgctcccg cacgtccgcg gccgcttgcg tggcgatgtc cccccacgtc 62580

tcgggcccct gccccccggg cccgcggcga cggtcttcgt cctcgccccc gcccccggga 62640

gctcccaacc cccgtgcccc ttcctctacg gcgacacggt ccccgtcgtc gtcggggccc 62700

gcgccgccct tgggcgcgtc cgccgcgccc cccgccccca tgcgcgccag cacgcgacgc 62760

agcgcctcct cgtcgcactg ttcggggctg acgaggcgcc gcaagagcgg cgtcgtcagg 62820

tggtggtcgt agcacgcgcg gatgagcgcc tcgatctgat cgtcgggtga cgtggcctga 62880

ccgccgatta ttagggcgtc caccatatcc agcgccgcca ggtggctccc gaacgcgcga 62940

tcgaaatgct ccgcccgccg cccgaacagc gccagttcca cggccaccgc ggcggtctcc 63000

tgctgcaact cgcgccgcgc cagcgcggtc aggttgctgg caaacgcgtc catggtggtc 63060

tggccggcgc ggtcgccgga cgcgagccag aatcgcaatt cgctgatggc gtacaggccg 63120

ggcgtggtgg cctgaaacac gtcgtgcgcc tccagcaggg cgtcggcctc cttgcggacc 63180

gagtcgttct cgggcgacgg gtggggctgc ccgtcgcccc ccgcggtccg ggccagcgca 63240

tggtccaaca cggagagcgc ccgcgcgcgg tcggcgtccg acagcccggc ggcgtggggc 63300

aggtaccgcc gcagctcgtt ggcgtccagc cgcacctgcg cctgctgggt gacgtggtta 63360

cagatacggt ccgccaggcg gcgggcgatc gtcgcccccc ggttcgccgt cacacacagt 63420

tcctcgaaac agaccgcgca ggggtgggac gggtcgctaa gctccggggg gacgataagg 63480

cccgacccca ccgcccccac cataaactcc cgaacgcgct ccagcgcggc ggtggcgccg 63540

cgcgaggggg tgatgaggtg gcagtagttt agctgcttta gaaagttctc gacgtcgtgc 63600

aggaaacaca gctccatatg gacggtcccg ccatacgtat ccagcctgac ccgttggtga 63660

tacggacagg gtcgggccag gcccatggtc tccgtgaaaa acaccgcgac gtctcccgcg 63720

gtcgcgaacg tctccaggct gcccaggagc cgctcgccct cgcgccacgc gtactctagc 63780

agcaactcca gggtgaccga cagcggggtg agaaaggccc cggcctgggc ctccaggccc 63840

ggcctcagac gacgccgcag cgcccgcacc tgaagcgcgt tcagcttcag ttgggggagc 63900

ttcccccgtc cgatgtgggg gtcgcaccgc cggagcagct ctatctgaaa cacataggtc 63960

tgcacctgtc cgagcagggc taacaacttt tgacgggcca cggtgggctc ggacaccggg 64020

gcggccatct cgcggcgccg atctgtaccg cggccggagt atgcggtgga ccgaggcggt 64080

ccgtacgcta cccggcgtct ggctgagccc cggggtcccc ctattcgggg cggcctcccg 64140

cgggcccgcc gaccggcaag ccgggagtcg gcggcgcgtg cgtttctgtt ctattcccag 64200

acaccgcgga gaggaatcac ggcccgccca gagatataga cacggaacac aaacaagcac 64260

ggatgtcgta gcaataattt attttacaca cattccccgc cccgccctag gttcccccac 64320

cccccaaccc ctcacagcat atccaacgtc aggtctccct ttttgtcggg gggcccctcc 64380

ccaaacgggt catccccgtg gaacgcccgt ttgcggccgg caaatgccgg tcccggggcc 64440

cccgggccgc cgaacggcgt cgcgttgtcg tcctcgcagc caaaatcccc aaagttaaac 64500

acctccccgg cgttgccgag ttggctgact agggcctcgg cctcgtgcgc cacctccagg 64560

gccgcgtccg tcgaccactc gccgttgccg cgctccaggg cacgtgcggt cagctccatc 64620

atctcctcgc ttaggtactc gtcctccagg agcgccagcc agtcctcgat ctgcagctgt 64680

tgggtgcggg gccccaggct tttcacggtc gccacgaaca cgctactggc gacggccgcc 64740

ccgccctcgg agataatgcc ccggagctgc tcgcacagcg agctttcgtg cgctccgccg 64800

ccgaggctcg aggccgcgca cacaaacccg gcccggggac aggccaggac gaacttgcgg 64860

gtgcggtcaa aaataaggag cgggcacgcg tttttgccgc ccatcaggct ggcccagttc 64920

ccggcctgaa acacacggtc gttgccggcc atgccgtagt atttgctgat gctcaacccc 64980

aacacgacca tggggcgtgc cgccatgacg ggccgcagca ggttgcagct ggcgaacatg 65040

gaggtccacg cgcccggatg cgcgtccacg gcgtccatca gcgcgcgggc cccggcctcc 65100

aggcccgccc cgccctgcgc ggaccacgcg gccgccgcct gcacgctggg gggacggcgg 65160

gaccccgcga tgatggccgt gagggtgttg atgaagtacg tcgagtgatc gcagtaccgc 65220

agaatctggt ttgccatgta gtacatcgcc agctcgctca cgttgttggg ggccaggtta 65280

ataaagttga tcgcgccgta gtccagggaa aacttttaa tgaacgcgat ggtctcgatg 65340

tcctcgcgcg acaggagccg ggcgggaagc tggttgcgtt ggagggccgt ccagaaccac 65400

tgcgggttcg gctggttgga ccccgggggc ttgccgttgg ggaagatggc cgcgtggaac 65460

tgcttcagca gaaagcccag cggtccgagg aggatgtcca cgcgcttgtc gggcttctgg 65520

taggcgctct ggaggctggc gacccgcgcc ttggcggcct cggacgcgtt ggcgctcgcg 65580

cccgcgaaca acacgcggct cttgacgcgc agctccttgg gaaaccccag ggtcacgcgg 65640

gcaacgtcgc cctcgaagct gctctcggcg ggggccgtct ggccggccgt caggctgggg 65700

gcgcagatag ccgcaccctc cgagagcgcg accgtcagcg ttttggccga cagaaacccg 65760

ttgttaaaca tgtccatcac gcgccgccgc agcaccggtt ggaattgatt gcgaaagttg 65820

cgcccctcga ccgactgccc ggcgaacacc ccgtggcact ggctcagggc caggtcctgg 65880

tacacggcga ggttggatcg ccgcccgaga agctgaagca gggggcacgg cccgcacgcg 65940

tacgggtcca gcgtcaggga catggcgtgg ttggcctcgc ccagaccgtc gcgaaacttg 66000

aagttcctcc cctccaccag gttgcgcatc agctgctcca cctcgcggtc cacgacctgc 66060

ctgacgttgt tcaccaccgt atgcagggcc tcgcggttgg tgatgatggt ctccagccgc 66120

cccatggccg tggggaccgc ctggtccacg tactgcaggg tctcgagttc ggccatgacg 66180

cgctcggtcg ccgcgcggta cgtctcctgc atgatggtcc gggcggtctc ggatccgtcc 66240

gcgcgcttca gggccgagaa ggcggcgtag tttcccagca cgtcgcagtc gctgtacatg 66300

ctgttcatgg tcccgaagac gccgatggct ccgcgggcgg cgctggcgaa cttgggatgg 66360

cgcgcccgga ggcgcatgag cgtcgtgtgt acgcaggcgt ggcgcgtgtc gaaggtgcac 66420

aggttacagg gcacgtcggt ctggttggag tccgcgacgt atcgaaacac gtccatctcc 66480

tggcgcccga cgatcacgcc gccgtcgcag cgctccaggt aaaacagcat cttggccagc 66540

agcgccgggg aaaacccaca cagcatggcc aggtgctcgc cggcaaattc ctgggttccg 66600

ccgacgaggg gcgcggtggg ccgaccctcg aacccgggca ccacgtgtcc ctcgcggtcc 66660

acctgtgggt tggccgccac gtgggtcccg ggcacgagga agaagcggta aaaggagggt 66720

ttgctgtggt cctttgggtc cgccgggccg gcgtcgtcca cctcggtgag atggagggcc 66780

gagttggtgc taaataccat ggcccccacg agtcccgcgg cgcgcgccag gtacgccccg 66840

acggcgttgg cgcgggccgc ggccgtgtcc tggccctcga acagcggcca cgcggagatg 66900

tcggtgggcg gctcgtcaaa gacggccatc gacacgatag actcgagggc cagggcggcg 66960

tctccggcca tgacggaggc caggcgctgt tcgaacccgc ccgcagggcc cttgccgccg 67020

ccgtcgcgcc cgccccgcgg ggtcttaccc tggctggctt cgaaggccgt gaacgtaatg 67080

tcggcgggga gggcggcgcc ctcgtggttt tcgtcaaacg ccaggtgggc ggccgcgcgg 67140

gccacggcgt ccacgtttcg gcatcgcagt gccacggcgg cgggtcccac gaccgcctcg 67200

aacaggaggc ggtggagggg gcggttaaaa aacggaagcg ggtaggtaaa attctccccg 67260

atcgatcggt ggttggcgtt gaacggctct gcgatgacac ggctaaaatc cggcatgaac 67320

agctgcaacg ggtacacggg tatgcggtgc acctccgccc cgcctatggt taccttgtcc 67380

gagcctccca ggtgcagaaa ggtgttgttg atgcacacgg cctccttgaa gccctcggta 67440

acgaccagat acaggagggc gcggtccggg tccaggccga ggcgctcaca cagcgcctcc 67500

cccgtcgtct cgtgtttgag gtcgccgggc cgggggggtgt agtccgaaaa gccaaaatgg 67560

cggcgtgccc gctcgcagag tcgcgtcagg ttcggggcct gggtgctggg gtccaggtgc 67620

cggccgccgt gaaagacgta cacggacgag ctgtagtgcg agggcgtcag tttcagggac 67680

accgcggtac ccccgagccc cgtcgtgcga gaacccacga ccacggccac gttggcctca 67740

aagccgctct ccacggtcag gcccacgacc aggggcgcca cggcgacgtc ggcatcgccg 67800

ctgcgcgccg acagtaacgc cagaagctcg atgccttcgg acggacacgc gcgagcgtac 67860

acgtatccca ggggcccggg ggggaccttg atggtggttg ccgtcttggg ctttgtctcc 67920

atgtccttct gtcaatcggt ccgcgaacgg aggtaatccc ggcacgacga cggacgcccg 67980

acaaggtatg tctcccgagc gtcaaaatcc gggggggggg gcggcgacgg tcaaggggag 68040

ggttggagac cggggttggg gaatgaatcc ctacccttca ccgacaaccc cccgggtaat 68100

cacggggtgc cgatgaaccc cggcggccgg caacgcgggg tccctgcgag aggcacagat 68160

gcttacggtc aggtgctccg ggtcgggtgc gtctggtatg cggttggtat atgtacactt 68220

tacctggggg cgtgcctggc cgccccagcc cctcccacgc cctgcgcgtc atcagccggt 68280

gggcgtggcc gctattataa aaaaagtgag aacgcgaagc gttcgcactt tgtcctaata 68340

atatatatat tattaggaca aagtgcgaac gcttcgcgtt ctcacttttt ttataatagc 68400

ggccacgccc accggctacg tcacgctcct gtcggccgcc ggcggtccat aagcccggcc 68460

ggccgggccg acgcgaataa accgggccgc cggccggggc gccgcgcagc agctcgccgc 68520

ccggatccgc cagacaaaca aggcccttgc acatgccggc ccgggcgagc ctgggggtcc 68580

ggtaattttg ccatcccacc caagcggctt tttgggtttt tctcttcccc cctccccaca 68640

tccccctct ttaggggttc gggtggtaac aaccgcgatg ttttccggtg gcggcggccc 68700

gctgtccccc ggaggaaagt cggcggccag ggcggcgtcc gggtttttg cgcccgccgg 68760

ccctcgcgga gccggccggg gacccccgcc ttgcttgagg caaaactttt acaaccccta 68820

cctcgcccca gtcgggacgc aacagaagcc gaccgggcca acccagcgcc atacgtacta 68880

tagcgaatgc gatgaatttc gattcatcgc cccgcgggtg ctggacgagg atgcccccc 68940

ggagaagcgc gccggggtgc acgacggtca cctcaagcgc gcccccaagg tgtactgcgg 69000

gggggacgag cgcgacgtcc tccgcgtcgg gtcgggcggc ttctggccgc ggcgctcgcg 69060

cctgtggggc ggcgtggacc acgccccggc ggggttcaac cccaccgtca ccgtctttca 69120

cgtgtacgac atcctggaga acgtggagca cgcgtacggc atgcgcgcgg cccagttcca 69180

cgcgcggttt atggacgcca tcacaccgac ggggaccgtc atcacgctcc tgggcctgac 69240

tccggaaggc caccgggtgg ccgttcacgt ttacggcacg cggcagtact tttacatgaa 69300

caaggaggag gtcgacaggc acctacaatg ccgcgcccca cgagatctct gcgagcgcat 69360

ggccgcggcc ctgcgcgagt ccccgggcgc gtcgttccgc ggcatttccg cggaccactt 69420

cgaggcggag gtggtggagc gcaccgacgt gtactactac gagacgcgcc ccgctctgtt 69480

ttaccgcgtc tacgtccgaa gcgggcgcgt gctgtcgtac ctgtgcgaca acttctgccc 69540

ggccatcaag aagtacgagg gtggggtcga cgccaccacc cggttcatcc tggacaaccc 69600

cgggttcgtc accttcggct ggtaccgtct caaaccgggc cggaacaaca cgctagccca 69660

gccgcgggcc ccgatggcct tcgggacatc cagcgacgtc gagtttaact gtacggcgga 69720

caacctggcc atcgaggggg gcatgagcga cctaccggca tacaagctca tgtgcttcga 69780

tatcgaatgc aaggcggggg gggaggacga gctggccttt ccggtggccg ggcacccgga 69840

ggacctggtc atccagatat cctgtctgct ctacgacctg tccaccaccg ccctggagca 69900

cgtcctcctg ttttcgctcg gttcctgcga cctccccgaa tcccacctga acgagctggc 69960

ggccaggggc ctgcccacgc ccgtggttct ggaattcgac agcgaattcg agatgctgtt 70020

ggccttcatg acccttgtga aacagtacgg ccccgagttc gtgaccgggt acaacatcat 70080

caacttcgac tggcccttct tgctggccaa gctgacggac atttacaagg tccccctgga 70140

cgggtacggc cgcatgaacg gccggggcgt gtttcgcgtg tgggacatag gccagagcca 70200

cttccagaag cgcagcaaga taaaggtgaa cggcatggtg aacatcgaca tgtacgggat 70260

tataaccgac aagatcaagc tctcgagcta caagctcaac gccgtggccg aagccgtcct 70320

gaaggacaag aagaaggacc tgagctatcg cgacatcccc gcctactacg ccgccgggcc 70380

cgcgcaacgc ggggtgatcg gcgagtactg catacaggat tccctgctgg tgggccagct 70440

gtttttaag tttttgcccc atctggagct ctcggccgtc gcgcgcttgg cgggtattaa 70500

catcacccgc accatctacg acggccagca gatccgcgtc tttacgtgcc tgctgcgcct 70560

ggccgaccag aagggcttta ttctgccgga cacccagggg cgatttaggg gcgccggggg 70620

ggaggcgccc aagcgtccgg ccgcagcccg ggaggacgag gagcggccag aggaggaggg 70680

ggaggacgag gacgaacgcg aggagggcgg gggcgagcgg gagccggagg gcgcgcggga 70740

gaccgccggc cggcacgtgg ggtaccaggg ggccagggtc cttgacccca cttccgggtt 70800

tcatgtgaac cccgtggtgg tgttcgactt tgccagcctg taccccagca tcatccaggc 70860

ccacaacctg tgcttcagca cgctctccct gagggccgac gcagtggcgc acctggaggc 70920

gggcaaggac tacctggaga tcgaggtggg ggggcgacgg ctgttcttcg tcaaggctca 70980

cgtgcgagag agcctcctca gcatcctcct gcgggactgg ctcgccatgc gaaagcagat 71040

ccgctcgcgg attccccaga gcagccccga ggaggccgtg ctcctggaca agcagcaggc 71100

cgccatcaag gtcgtgtgta actcggttta cgggttcacg ggagtgcagc acggactcct 71160

gccgtgcctg cacgttgccg cgacggtgac gaccatcggc cgcgagatgc tgctcgcgac 71220

ccgcgagtac gtccacgcgc gctgggcggc cttcgaacag ctcctggccg atttcccgga 71280

ggcggccgac atgcgcgccc ccgggcccta ttccatgcgc atcatctacg gggacacgga 71340

ctccatcttt gtgctgtgcc gcggcctcac ggccgccggg ctgacggccg tgggcgacaa 71400

gatggcgagc cacatctcgc gcgcgctgtt tctgtccccc atcaaactcg agtgcgaaaa 71460

gacgttcacc aagctgctgc tgatcgccaa gaaaaagtac atcggcgtca tctacggggg 71520

taagatgctc atcaagggcg tggatctggt gcgcaaaaac aactgcgcgt ttatcaaccg 71580

cacctccagg gccctggtcg acctgctgtt ttacgacgat accgtatccg gagcggccgc 71640

cgcgttagcc gagcgccccg cagaggagtg gctggcgcga cccctgcccg agggactgca 71700

ggcgttcggg gccgtcctcg tagacgccca tcggcgcatc accgacccgg agagggacat 71760

ccaggacttt gtcctcaccg ccgaactgag cagacacccg cgcgcgtaca ccaacaagcg 71820

cctggcccac ctgacggtgt attacaagct catggcccgc cgcgcgcagg tcccgtccat 71880

caaggaccgg atcccgtacg tgatcgtggc ccagacccgc gaggtagagg agacggtcgc 71940

gcggctggcc gccctccgcg agctcgacgc cgccgcccca ggggacgagc ccgcccccc 72000

cgcggccctg ccctccccgg ccaagcgccc ccgggagacg ccgttgcatg ccgacccccc 72060

gggaggcgcg tccaagcccc gcaagctgct ggtgtccgag ctggccgagg atcccgcata 72120

cgccattgcc cacggcgtcg ccctgaacac ggactattac ttctcccacc tgttgggggc 72180

ggcgtgcgtg acattcaagg ccctgtttgg gaataacgcc aagatcaccg agagtctgtt 72240

aaaaaggttt attcccgaag tgtggcaccc cccggacgac gtggccgcgc ggctccgggc 72300

cgcagggttc ggggcggtgg gtgccggcgc tacggcggag gaaactcgtc gaatgttgca 72360

tagagccttt gatactctag catgagcccc ccgtcgaagc tgatgtccct cattttacaa 72420

taaatgtctg cggccgacac ggtcggaatc tccgcgtccg tgggtttctc tgcgttgcgc 72480

cggaccacga gcacaaacgt gctctgccac acgtgggcga cgaaccggta ccccgggcac 72540

gcggtgagca tccggtctat gagccggtag tgcaggtggg cggacgtgcc gggaaagatg 72600

acgtacagca tgtggccccc gtaagtgggg tccgggtaaa acaacagccg cgggtcgcac 72660

gccccgcctc cgcgcaggat cgtgtggacg aaaaaaagct cgggttggcc aagaatcccg 72720

gccaagaggt cctggagggg ggcgttgtgg cggtcggcca acacgaccaa ggaggccagg 72780

aaggcgcgat gctcgaatat cgtgttgatc tgctgcacga aggccaggat tagggcctcg 72840

cggctggtgg cggcgaaccg cccgtctccc gcgttgcacg cgggacagca acccccgatg 72900

cctaggtagt agcccatccc ggagagggtc aggcagttgt cggccacggt ctggtccaga 72960

cagaagggca gcgagacggg agtggtcttc accaggggca ccgagagcga gcgcacgatg 73020

gcgatctcct cggagggcgt ctgggcgagg gcggcgaaaa ggccccgata gcgctggcgc 73080

tcgtgtaaac acagctcctg tttgcgggcg tgaggcggca ggctcttccg ggaggcccga 73140

cgcaccacgc ccagagtccc gccggccgca gaggagcgcg accgccggcg ctccttgccg 73200

tgatagggcc cgggccggga gccgcggcga tgggggtcgg tgtcatacat aggtacacag 73260

ggtgtgctcc agggacagga gcgagatcga gtggcgtcta agcagcgcgc ccgcctcacg 73320

gacaaatgtg gcgagcgcgg tgggctttgg tacaaatacc tgatacgtct tgaaggtgta 73380

gatgagggca cgcaacgcta tgcagacacg cccctcgaac tcgttcccgc aggccagctt 73440

ggccttgtgg agcagcagct cgtcgggatg ggtggcgggg ggatggccga acagaaccca 73500

ggggtcaacc tccatctccg taatggcgca catggggtca cagaacatgt gcttaaagat 73560

ggcctcgggc cccgcggccc gaagcaggct cacaaaccgg cccccgtccc cgggctgcgt 73620

ctcggggtca gcctcgagct ggtcgacgac gggtacgata cagtcgaaga ggctcgtgtt 73680

gttttccgag tagcggacca cggaggcccg gagtctgcgc agggccagcc agtaagcacg 73740

caccagtaac aggttacaca gcaggcattc tccgccggtg cgcccgcgcc cccggccgtg 73800

tttcagcacg gtggccatca gagggcccag gtcgaggtcg ggctgggcat cgggttcggt 73860

aaactgcgca aagcgcggag ccacgtcgcg cgtgcgtgcc ccgcgatgcg cttcccagga 73920

ctggcggacc gtggcgcgac gggcctccgc ggcagcgcgc agctggggcc ccgactccca 73980

gacggcgggg gtgccggcga ggagcagcag gaccagatcc gcgtacgccc acgtatccgg 74040

cgactcctcc ggctcgcggt ccccggcgac cgtctcgaat tccccgttgc gagcggcggc 74100

gcgcgtacag cagctgtccc cgcccccgcg ccgaccctcc gtgcagtcca ggagacgggc 74160

gcaatccttc cagttcatca gcgcggtggt gagcgacggc tgcgtgccgg atcccgccga 74220

ccccgccccc tcctcgcccc cggaggccaa ggttccgatg agggcccggg tggcagactg 74280

cgccaggaac gagtagttgg agtactgcac cttggcggct cccggggagg gcgagggctt 74340

gggttgcttc tgggcatgcc gcccgggcac cccgccgtcg gtacggaagc agcagtggag 74400

aaaaaagtgc cggtggatgt cgtttatggt gagggcaaag cgtgcgaagg agccgaccag 74460

ggtcgccttc ttggtgcgca gaaagtggcg gtccatgacg tacacaaact cgaacgcggc 74520

cacgaagatg ctagcggcgc agtggggcgc ccccaggcat ttggcacaga gaaacgcgta 74580

atcggccacc cactgaggcg agaggcggta ggtttgcttg tacagctcga tggtgcggca 74640

gaccagacag ggccggtcca gcgcgaaggt gtcgatggcc gccgcggaaa agggcccggt 74700

gtccaaaagc ccctccccac agggatccgg gggcgggttg cggggtcctc cgcgcccgcc 74760

cgaacccccc ccgtcgcccg ccccccgcg ggcccttgag ggggcggtga ccacgtcggc 74820

ggcgacgtcc tcgtcgagcg taccgacggg cggcacacct atcacgtgac tggccgtcag 74880

gagctcggcg cagagagcct cgttaagagc caggaggctg ggatcgaagg ccacatacgc 74940

gcgctcgaac gcccccgcct tccagctgct gccgggggac tcttcgcaca ccgcgacgct 75000

cgccaggacc ccgggggcg aagttgccat ggctgggcgg gaggggcgca cgcgccagcg 75060

aactttacgg gacacaatcc ccgactgcgc gctgcggtcc cagaccctgg agagtctaga 75120

cgcgcgctac gtctcgcgag acggcgcgca tgacgcggcc gtctggttcg aggatatgac 75180

ccccgccgag ctggaggttg tcttcccgac tacggacgcc aagctgaact acctgtcgcg 75240

gacgcagcgg ctggcctccc tcctgacgta cgccgggcct ataaaagcgc ccgacgacgc 75300

cgccgccccg cagaccccgg acaccgcgtg tgtgcacggc gagctgctcg cccgcaagcg 75360

ggaaagattc gcggcggtca ttaaccggtt cctggacctg caccagattc tgcggggctg 75420

acgcgcgtgc tgttgggcgg gacggttcgc gaacccttg gtgggtttac gcgggcacgc 75480

acgctcccat cgcgggcgcc atggcgggac tgggcaagcc ctacaccggc cacccaggtg 75540

acgccttcga gggtctcgtt cagcgaattc ggcttatcgt cccatctacg ttgcggggcg 75600

gggacgggga ggcgggcccc tactctccct ccagcctccc ctccaggtgc gcctttcagt 75660

ttcatggcca tgacgggtcc gacgagtcgt ttcccatcga gtatgtactg cggcttatga 75720

acgactgggc cgaggtcccg tgcaaccctt acctgcgcat acagaacacc ggcgtgtcgg 75780

tgctgtttca ggggtttttt catcgcccac acaacgcccc cgggggcgcg attacgccag 75840

agcggaccaa tgtgatcctg gggtccaccg agacgacggg gttgtccctc ggcgacctgg 75900

acaccatcaa ggggcggctc ggcctggatg cccggccgat gatggccagc atgtggatca 75960

gctgctttgt gcgcatgccc cgcgtgcagc tcgcgtttcg gttcatgggc cccgaagatg 76020

ccggacggac gagacggatc ctgtgccgcg ccgccgagca ggctattacc cgtcgccgcc 76080

gaacccggcg gtcccgggag gcgtacgggg ccgaggccgg gctgggggtg gccggaacgg 76140

gtttccgggc caggggggac ggttttggcc cgctcccctt gttaacccaa gggccctccc 76200

gcccgtggca ccaggccctg cggggtctta agcacctacg gattggcccc cccgcgctcg 76260

ttttggcggc gggactcgtc ctgggggccg ctatttggtg ggtggttggt gctggcgcgc 76320

gcctataaaa aaggacgcac cgccgcccta atcgccagtg cgttccggac gccttcgccc 76380

cacacagccc tcccgaccga cacccccata tcgcttcccg acctccggtc ccgatggccg 76440

tcccgcaatt tcaccgcccc agcaccgtta ccaccgatag cgtccgggcg cttggcatgc 76500

gcgggctcgt cttggccacc aataactctc agtttatcat ggataacaac cacccacacc 76560

cccagggcac ccaaggggcc gtgcgggagt ttctccgcgg tcaggcggcg gcactgacgg 76620

accttggtct ggcccacgca aacaacacgt ttaccccgca gcctatgttc gcgggcgacg 76680

caccggccgc ctggttgcgg cccgcgtttg gcctgcggcg cacctattca ccttttgtcg 76740

ttcgagaacc ttcgacgccc gggaccccgt gaggcccagg gagttccttc tggggtgttt 76800

taatcaataa aagaccacac caacgcacga gccttgcgtt taatgtcgtg tttattcaag 76860

ggagtgggat agggttcgac ggttcgaaac ttaacacacc aaataatcga gcgcgtctag 76920

cccagtaaca tgcgcacgtg atgtaggctg gtcagcacgg cgtcgctgtg atgaagcagc 76980

gcccggcggg tccgctgtaa ctgctgttgt aggcggtaac aggcgcggat cagcaccgcc 77040

agggcgctac gaccggtgcg ttgcacgtag cgtcgcgaca gaactgcgtt tgccgatacg 77100

ggcgggggggc cgaattgtaa gcgcgtcacc tcttgggagt catcggcgga taacgcactg 77160

aatggttcgt tggttatggg ggagtgtggt tccccaggga gtgggtcgag cgcctcggcc 77220

tcggaatccg agaggaacaa cgaggtggcg tcggagtctt cgtcgtcaga gacatacagg 77280

gtctgaagca gcgacacggg cgggggggta gcgtcgatgt gtagcgcgag ggaggatgcc 77340

cacgaagaca ccccagacaa ggagctgccc gtgcgtggat ttgtggaaga cgcggaagcc 77400

gggacggatg ggcggttttg cggtgcccgg aaccgaaccg ccggatactc cccgggtgct 77460

acatgcccgt tttggggctg gggttggggc tggggttggg gctggggttg gggctggggt 77520

tggggctggg gttggggctg gggttggggt tggggttggg gctggggttg gggttggggc 77580

tggggctggg gctggggctg gggctggggc tggggctggg gctggggctg gggctggggc 77640

tggggctggg gctggggctg gggctggggc tggggttggg gcgcggacag gcggctgacg 77700

gtcaaatgcc cccgggggcg cgcagatgtg gtgggcgtgg ccaccggctg ccgtgtagtg 77760

gggcggcggg aaaccgggcc tccgggcgta acaccgccct ccagcgtcaa gtatgtgggg 77820

ggcgggcctg acgtcggggg cggggtgacg ggttggaccg cgggaggcgg gggagaggga 77880

cctgcgggag aggatgaggt cggctcggcc gggttgcggc ctaaaacagg ggccgtgggg 77940

tcggcggggt cccagggtga agggagggat tcccgcgatt cggacagcga cgcgacagcg 78000

gggcgcgtaa ggcgccgctg cggcccgcct acgggaaccc tggggggggt tggcgcggga 78060

cccgaggtta gcgggggggcg gcggttttcg cccccgggca aaaccgtgcc ggttgcgacc 78120

gggggcggaa cgggatcgat agggagagcg ggagaagcct ggccggcgga ctggggaccg 78180

agcgggaggg gcacaccaga caccaaagcg tggggcgctg gctctggggg tttgggaggg 78240

gccgggggggc gcgcgaaatc ggtaaccggg gcgaccgtgt cggggagggc aggcggccgc 78300

caaccctggg tggtcgcgga agcctgggtg gcgcgcgcca gggagcgtgc ccggcggtgt 78360

cggcgcgcgc gcgacccgga cgaagaagcg gtagaagcgc gggaggaggc gggggggcgg 78420

ggggcggtgg catcgggggg cgccggggaa ctttgggggg acggcaagcg ccggaagtcg 78480

tcgcgggggc ccacgggcgc cggccgcgtg ctttcggccg ggacgcccgg tcgtgcttcg 78540

cgagccgtga ctgccggccc agggggccgc ggtgcacact gggacgtggg gacggactga 78600

tcggcggtgg gcgaaagggg gtccggggca aggaggggcg cggggccgcc ggagtcgtca 78660

gacgcgagct cctccaggcc gtgaatccat gcccacatgc gagggggggac gggctcgccg 78720

ggggtggcgt cggtgaatag cgtgggggcc aggcttccgg gccccaacga gccctccgcc 78780

ccaacaaggt ccgccgggcc gggggtcggg ttcgggaccg aggggctctg gtcgtcgggg 78840

gcgcgctggt acaccggatg ccccgggaat agctcccccg acaggaggga ggcgtcgaac 78900

ggccgcccga ggatagctcg cgcgaggaag gggtcctcgt cggtggcgct cgcggcgagg 78960

acgtcctcgc cgcccgccac aaacgggagc tcctcggtgg cctcgctgcc aacaaaccgc 79020

atgtcggggg ggccgggggg gtccgggttt tcccacaaca ccgcgaccgg ggtcatggag 79080

atgtccacga gcaccaggca cggcgggccc cgggcgaggg gccgctcggc gatgagcgcg 79140

gacaggcgcg ggagctgtgc cgccagacac gcgttttcga tcgggttaag gtcggcgtgc 79200

aggaggcgga cggcccacgt ctcgatgtcg gacgacacgg catcgcgcaa ggcggcgtcc 79260

ggcccgcgag cgcgtgagtc aaacagcgtg aggcacagct ccagttccga ctcgcgggaa 79320

aaggccgtgg tgttgcggag cgccacgacg acgggcgcgc ccaggagcac tgccgccagc 79380

accaggtcca tggccgtaac gcgcgccgcg ggggtgcggt gggtggcggc ggccggcacg 79440

gcgacgtgct ggcccgtggg ccggtagagg gcgttggggg gagcgggggg tgacgcctcg 79500

cgccccccg aggggctcag cgtctgccca gattccagac gcgcggtcag aagggcgtcg 79560

aaactgtcat actctgtgta gtcgtccgga aacatgcagg tccaaagagc ggccagcgcg 79620

gtgcttggga gacacatgcg cccgaggacg ctcaccgccg ccagcgcctg ggcgggactc 79680

agctttccca gcgcggcgcc gcgctcggtt cccagctcgg ggaccgagcg ccagggcgcc 79740

agggggtcgg tttcggacaa cttgccgcgg cgccagtctg ccagccgcgt gccgaacatg 79800

aggccccggg tcggagggcc tccggccgaa aacgctggca gcacgcggat gcgggcgtct 79860

ggatgcgggg tcaggcgctg cacgaatagc atggaatctg ctgcgttctg aaacgcacgg 79920

gggagggtga gatgcatgta ctcgtgttgg cggaccagat ccaggcgcca aaaggtgtaa 79980

atgtgttccg gggagctggc caccagcgcc accagcacgt cgttctcgtt aaaggaaacg 80040

cggtgcctag tggagctctg gggtccgagc ggcggccccg gggccgccgc gtcacccccc 80100

cattccagct gggcccagcg acacccaaac tcgcgcgtga gagtggtcgc gacgagggcg 80160

acgtagagct cggccgccgc atccatcgag gccccccatc tcgcctggcg gtggcgcaca 80220

aagcgtccga agagctgaaa gttggcggcc tgggcgtcgc tgagggccag ctgaagccgg 80280

ttgatgacgg tgaggacgta catggccgtg acggtcgagg ccgactccag ggtgtccgtc 80340

ggaagcgggg ggcgaatgca tgccgcctcg ggacacatca gcagcgcgcc gagcttgtcg 80400

gtcacggccg ggaagcagag cgcgtactgc agtggcgttc catccgggac caaaaagctg 80460

ggggcgaacg gcctatccag cgtactggtg gcctcgcgca gcaccagggg ccccgggcct 80520

ccgctcactc gcaggtacgc ctcgccccgg cggcgcagca tctgcgggtc ggcctcttgg 80580

ccgggtgggg cggacgcccg ggcgcgggcg tctagggcgc gaagatccac gagcaggggc 80640

gcgggcgcgg ccgccgcgcc cgcgcccgtc tggcctgtgg ccttggcgta cgcgctatat 80700

aagcccatgc ggcgttggat gagctcccgc gcgccccgga actcctccac cgcccatggg 80760

gccaggtccc cggccaccgc gtccaattcc gccaacaggc cccccagggt gtcaaagttc 80820

atctcccagg ccacccttgg caccacctcg tcccgcagcc gggcgctcag gtcggcgtgt 80880

tgggccacgc gccccccgag ctcctccacg gccccggccc gctcggcgct cttggcgccc 80940

aggacgccct ggtacttggc gggaaggcgc tcgtagtccc gctgggctcg cagccccgac 81000

acagtgttgg tggtgtcctg cagggcgcga agctgctcgc atgccgcgcg aaatccctcg 81060

ggcgatttcc aggccccccc gcgaacgcgg ccgaagcgac cccatacctc gtcccactcc 81120

gcctcggcct cctcgaaaga cctccgcagg gcctcgacgc ggcgacgggt gtcgaagagc 81180

gactgcaggc gcgcgccctg tcgcgtcagg aggcccgggc cgtcgccgct ggccgcgctt 81240

agcgggtgcg tctcaaaggt gcgctgggca tgttccaacc aggcgaccgc ctgcacgtcg 81300

agctcgcgcg ccttctccgt ctggtccaac agaatctcga cctgatccgc gatctcctcc 81360

gccgagcgcg cctggtccag cgtcttggcc acggtcgccg ggacggcaac caccttcagc 81420

agggtcttca gattggccag accctcggcc tcgagctggg cccggcgctc gcgcgcggcc 81480

agcacctccc gcaaccccgc cgtgacccgc tcggtggctt cggcgcgctg ctgtttggcg 81540

cgcaccacgg cgtccttggt atcggccagg tcctgtcggg tcacgaatgc gacgtagtcg 81600

gcgtacgccg tgtccttcac ggggctctgg tccacgcgct ccagcgccgc cacacacgcc 81660

accagcgcgt cctcgctcgg gcagggcagg gtgacccctg cccggacaag ctcggcggcc 81720

gccgccgggt cgttgcgcac cgcggatatc tcctccgcgg cggcggccag gtccagcgcc 81780

acgcttccga tcgcgcgccg cgcgtcggcc cggagggcgt ccaggcgatc gcggatatcc 81840

acgtactcgg cgtagccctt ttgaaaaaac ggcacgtact ggcgcagggc cggcacgccc 81900

cccaagtctt ccgacaggtg taggacggcc tcgtggtagt cgataaaccc gtcgttcgcc 81960

tgggcccgct ccagcagccc ccccgcgagc cgcagaagcc gcgccagggg ctcggtgtcc 82020

acccgaaaca tgtcggcgta cgtgtcggcc gcggccccga aggccgcgct ccagtcgatg 82080

cggtgaatgg ctgcgagcgg ggggagcatg gggtggcgct ggttctcggg ggtgtatggg 82140

ttaaacgcaa gggccgtctc cagggcaagg gtcaccgcct tggcgttggt tcccagcgcc 82200

tgctcggccc gctttcggaa gtcccggggg ttgtagccgt gcgtgcccgc cagcgcctgc 82260

aggcgacgga gctcgaccac gtcaaactcg gcaccgcttt ccacgcggtc cagcacggcc 82320

tccacgtcgg cggcccagcg ctcgtggcta ctgcgggcgc gctgggccgc catcttctct 82380

ctgaggtcgg cggtggcggc ctcaagttcg tcggcgcggc gtcgcgtggc gccgatgacc 82440

tttcccagct cctgcagggc gcgcccgctg ggggagtggt ccccggccgt cccttcggcg 82500

tgcaacaggc ccccgaacct gccctcgtgg cccgcgaggc tttcccgcgc gccggtggtc 82560

gcgcgcgtcg cggcctggat cagggaggca tgctctccct ccggttggtt ggcggcccgg 82620

cgcacctgga cgacaaggtc ggcggcagcc gaccctaagg tcgtgagctg ggcgatggcc 82680

ccccgcgcgt ccagggccaa ccgagtcgcc ttgacgtatc ccgcggcgct gtcggccatg 82740

gccgctagga aggccagggg ggaggccggg tcgctggcgg ccgcgcccag ggccgtcact 82800

gcgtcgacca ggacgcggtg cgcccgcacg gccgcatcca ccgtcgacgc ggggtctgcc 82860

gtcgcgacgg cggcgctgcc ggcgttgatg gcgttcgaga cggcgtgggc tatgatcggg 82920

gcgtgatcgg cgaagaactg caagagaaac ggagtctcgg gggcgttggc gaacaggttc 82980

ttcagcacca ccacgaagct gggatgcaag ccggacagag ccgtcgccgt gtccggagtc 83040

gggtgctcca gggcatctcg gtactgcccc agcagccccc acatgtccgc ccgcagcgcc 83100

gccgtaacct ccgggggcgc cccccgaacg gcctcgggga ggtccgacca gcccgccggc 83160

agggaggccc gcagggtcgt caggacggcc ggacaggcct ttagccccac aaagtcaggg 83220

aggggccgca ggacccccctg gagtttgtgc aagaacttct cccgggcgtc gcgggccacc 83280

ttcgcccgct cccgcgctcc ctcgagcatt gcctccaggg agcgcgcgcg ctcccgcaaa 83340

cgggcacgcg catcgggggc gagctctgcc gtcagcttgg cggcatccat ggcccgcgcc 83400

tgccgcagcg cttcctcggc catgcgcgtg gcctctggcg acagcccgcc gtcgtcgggg 83460

tagggcgacg cgccgggcgc aggaacaaag gccgcgtcgc tgtccagctg ctggcccagg 83520

gccgcatcta gggcgtcgaa gcgccgcagc tcggccagac ccgagctgcg gcgcgcctgc 83580

tggtcgttaa tgtcgcggat gctgcgcgcc agctcgtcca gcggcttgcg ttctatcagc 83640

ccttggttgg cggcgtccgt caggacggag agccaggccg ccaggtcctc gggggcgtcc 83700

agcgtctggc cccgctgtat cagatcccgc aacaggatgg ccgtggggct ggtcgcgatc 83760

gggggcgggg cgggaatggc ggcgctctgc gcgatgtccc gcgtgtgctg gtcgaagaca 83820

ggcagggact ctagcagctg gaccacgggc acgacggcgg ccgaagccac gtgaaaccgg 83880

cggtcgttgt tgtcgctggc ctgcagagcc ttggcgctgt atacggcccc ccggtaaaag 83940

tactccttaa ccgcgccctc gatcgcccga cgggcctggg tccgcacctc ctccagccga 84000

acctgaacgg cctcggggcc cagggggggt gggcgcggag ccccctgcgg ggccgccccg 84060

gccggggcgg gcattacgcc gaggggcccg gcgtgctgtg agaccgcgtc gaccccgcga 84120

gcgagggcgt cgagggcctc gcgcatctgg cgatcctccg cctccaccct aatctcttcg 84180

ccacgggcaa atttggccag agcctggact ctatacagaa gcggttctgg gtgcgtcggg 84240

gtggcggggg caaaaagggt gtccgggtgg gcctgcgagc gctccagaag ccactcgccg 84300

aggcgtgtat acagattggc cggcggggcc gcgcgaagct gcagctccag gtccgcgagt 84360

tccccgtaaa aggcgtccgt ctcccgaatg acatccctag ccacaaggat cagcttcgcc 84420

agcgccaggc gaccgatcag agagttttcg tccagcacgt gctggacgag gggcagatgg 84480

gcggccacgt cggccaggct caggcgcgtg gaggccagaa agtcccccac ggccgttttc 84540

cggggcagca tgctcagggt aaactccagc agggcggcgg ccgggccggc caccccggcc 84600

tgggtgtgcg tccgggcccc gttctcgatg agaaaggcga ggacgcgttc aaagaaaaaa 84660

ataacacaga gctccagcag ccccggagaa gccggatacg gcgaccgtaa ggcgctgatg 84720

gtgagccgcg aacacgcggc gacctcgcgg gccagggcgg cggagcacgc ggtgaactta 84780

accgccgtgg cggccacgtt tgggtgggcc tcgaacagct gggcaaggtc tgcgcccggg 84840

ggctcgggtg agcggcgagt cttcagcgcc tcgagggcct gcgaggacgc cggaaccgtg 84900

ggcccgtcgt cctcgcccgc ctcggcgacc ggcggcccgg ccgggtcggg gggtgccgag 84960

gcgaggacag gctccggaac ggaggcgggg accgcggccc cgacgggggt tttgcctttg 85020

ggggtggatt tcttcttggt tttggcaggg ggggccgagc gtttcgtttt ctcccccgaa 85080

gtcaggtctt cgacgctgga aggcggagtc caggtgggtc ggcggcgctt gggaaggccg 85140

gccgagtagc gtgcccggtg ccgaccaacc gggacgacgc ccatctccag gacccgcatg 85200

tcgtcgtcat cttcttcggc cgcctctgcg gcgggggct tgggggcgga gggaggcggt 85260

ggtgggatcg cggagggtgg gtcggcggag gggggatccg tgggtggggt acccttcagg 85320

gccaccgccc atacatcgtc gggcgcccga ttcgggcgct tggcctctgg ttttgccgac 85380

ggaccggccg tcccccggga tgtctcggag gccctgtcgt cgcgacgggc ccgggtcggt 85440

ggcggcgact gggcggctgt gggcgggtgg ggccccgtgc cccctacccc ctcccggggg 85500

cccacgccga cgcagggctc ccccaggccc gcgatctcgc cccgcagggg gtgcgtgatg 85560

gccacgcgcc gttcgctgaa cgcttcgtcc tgcaggtaag tctcgctggc cccgtaaaga 85620

tgcagagccg cggccgtcaa gtccgcagga gccgcgggtt ccgggcccga cggcacgaaa 85680

aacaccatgg ctcccgccca ccgtacgtcc gggcgatcgc gggtgtaata cgtcaggtat 85740

ggatacatgt cccccgcccg cactttggcg atgaacgcgg gggtgccctc cggaaggccg 85800

tgcgggtcaa aaaggtatgc ggtgtcgccg tccctgaaca gccccatccc tagggggcca 85860

atggttagga gcgtgtacga caggggggcgc agggcccacg ggccggcgaa gaacgtgtgt 85920

gcggggcatt gtgtctccag caggcccgcc gcgggctccc cgaagaagcc cacctcgccg 85980

tatacgcgcg agaagacaca gcgcagtccg ccgcgcgccc ctgggtactc gaggaagttg 86040

gggagctcga cgatcgaaca catgcgcggc ggcccagggc ccgcggtcgc gcgcgtccac 86100

tcgcccccct cgaccaaaca accctcgatg gcctccgcgg acagaacgtc gcgagggccc 86160

acatcaaata tgaggctgag aaaggacagc gacgagcgca tgcacgatac cgacccccc 86220

ggctccaggt cgggcgcgaa ctggttccga gcaccggtga ccacgatgtc gcgatccccc 86280

ccgcgttcca tcgtggagtg cggtggggtg cccgcgatca tatgtgccct actggccaga 86340

gacccggcct gtttatggac cggacccccg gggttagtgt tgtttccgcc acccatgccc 86400

ccgtaccatg gccccggttc ccctgattag gctacgagtc gcggtgatcg cttcccaaaa 86460

accgagctgc gtttgtctgt cttgatcttt ccccccccg cccgcccgcc cgcccgcaca 86520

ccataacacc gagaacaaca cacgggggtg ggcgtaacat aataaagctt tattggtaac 86580

tagttaacgg caagtccgtg ggtggcgcga cggtgtcctc cgggctcatc tcgtcgtcct 86640

cgacgggggt gttggaatga ggcgccccct cgcggtccgc ctggcgtggg ccgtgcccat 86700

aggcctccgg cttctgtgcg tccatgggca taggcgcggg gagactgttt ccggcgtcgc 86760

ggacctccag gtccctggga gactccggtc cggctaacgg acgaaacgcg gaagcgcgaa 86820

acacgccgtc ggtgacccgc aggagctcgt tcatcagtaa ccaatccata ctcagcgtaa 86880

cggccagccc ctggcgagac agatccacgg agtccggaac cgcggtcgtc tggcccaggg 86940

ggccgaggct gtagtccccc caggccccta ggtcgcgacg gctcgtaagc acgacgcggt 87000

cggccgcggg gctttgcggg ggggcgtcct cgggcgcatg cgccattacc tctcggatgg 87060

ccgcggcgcg ctggtcggcc gagctgacca agggcgccac gaccacggcg cgctccgtct 87120

gcaggccctt ccacgtgtcg tggagttcct ggacaaactc ggccacgggc tcgggtcccg 87180

cggccgcgcg cgcggcttga tagcaggccg agagacgccg ccagcgcgct agaaactgac 87240

ccatgaagca aaacccgggg acctggtctc ccgacagcag cttcgacgcc cgggcgtgaa 87300

tgccggacac gacggacaga aacccgtgaa tttcgcgccg gaccacggcc agcacgttgt 87360

cctcgtgcga cacctgggcc gccagctcgt cgcacacccc caggtgcgcc gtggtttcgg 87420

tgatgacgga acgcaggctc gcgagggacg cgaccagcgc gcgcttggcg tcgtgataca 87480

tgctgcagta ctgactcacc gcgtccccca tggcctcggg gggccagggc cccaggcggt 87540

cgggcgtgtc cccgaccacc gcatacaggc ggcgcccgtc gctctcgaac cgacactcga 87600

aaaaggcgga gagcgtgcgc atgtgcagcc gcagcagcac gatggcgtcc tccagttggc 87660

gaatcagggg gtctgcgcgc tcggcgaggt cctgcagcac cccccgggcg gccagggcgt 87720

acatgctaat caacaggagg ctggtgccca cctcgggggg cgggggggcc tgcagctgga 87780

ccaggggccg cagctgctcg acggcacccc tggagatcac gtacagctcc cggagcagct 87840

gctctatgtt gtcggccatc tgcatagtgg ggccgaggcc gccccgggcg gccggttcga 87900

ggagggtaat cagcgcgccc agtttggtgc gatggccctc gaccgtgggg agatagccca 87960

gcccaaagtc ccgggcccag gccaacacac gcagggcgaa ctcgaccggg cgtggaaggt 88020

aggccgcgct acacgtggcc ctcaacgcgt ccccgaccac cagggccaga acgtagggga 88080

cgaagcccgg gtcggcgagg acgttggggt gaatgccctc gagggcgggg aagcggatct 88140

gggtcgccgc ggccaggtgg acagaggggg cgtggctggg ctgcccgacg gggagaagcg 88200

cggacagcgg cgtggccggg gtggtggggg tgatgtccca gtgggtctga ccatacacgt 88260

cgatccagat gagcgccgtc tcgcggagaa ggctgggttg accggaacta aagcggcgct 88320

cggccgtctc aaactccccc acgagcgccc gccgcaggct cgccagatgt tccgtcggca 88380

cggccggacc catgatacgc gccagcgtct ggctcagaac gccccccgac aggccgaccg 88440

cctcgcagag ccgcccgtgc gtgtgctcgc tggcgccctg gacccgcctg aaagttttta 88500

cgtagttggc atagtacccg tattcccgcg ccagaccaaa cacgttcgac cccgcgaggg 88560

caatgcaccc aaagagctgc tggacttcgc cgagtccgtg gccggcgggc gtccgcgcgg 88620

ggacgcccgc cgccagaaac ccctccaggg ccgaaaggta gtgcgtgcag tgcgagggcg 88680

tgaacccagc gtcgatcagg gtgttgatca ccacggaggg cgaattggta ttctggatca 88740

acgtccacgt ctgctgcagc agagccagca gccgctgctg ggcgccggcg gagggctgct 88800

ccccgagctg cagcaggctg gagacggcag gctggaagac tgccagtgcc gacgaactca 88860

ggaacggcac gtcgggatca aacacggcca cgtccgtccg cacgcgcgcc attagcgtcc 88920

ccgggggcgc acaggccgag cgcgggctga cgcggctgag ggccgtcgac acgcgcacct 88980

cctcgcggct gcgaaccatc ttgttggcct ccagtggcgg aatcattatg gccgggtcga 89040

tctcccgcac ggtgtgctga aactgcgcca acaggggcgg cgggaccaca gccccccgct 89100

cgggggtcgt caggtactcg tccaccaggg ccaacgtaaa gagggcccgt gtgaggggag 89160

tgagggtcgc gtcgtctatg cgctggaggt gcgccgagaa cagcgtcacc cgattactca 89220

ccagggccaa gaaccggagg ccctcttgca cgaacggggc ggggaagagc aggctgtacg 89280

ccggggtggt aaggttcgcg ctgggctgcc ccaacgggac cggcgccatc ttgagcgacg 89340

tctccccaag ggcctcgatg gaggtccgcg ggctcatggc caagcagctc ttggtgacgg 89400

tttgccagcg gtctatccac tccacggcgc actggcggac gcggaccggc cccagggccg 89460

ccgcggtgcg caggccggcg gaatccagcg catgggacgt gtcggagccg gtgaccgcga 89520

ggatggtgtc cttgatgacc tccatctccc ggaaggcctg gtcgggggcc tcggggagag 89580

ccaccaccaa gcggtgtacg agcaacccgg ggaggttctc ggccaagagc gccgtctccg 89640

gaagcccgtg ggcccggtgg agcgcgcaca ggtgttccag cagcggccgc cagcatgccc 89700

gcgcgtctgc cggggcgatg gccgttcccg acaacagaaa cgccgccatg gcggcgcgca 89760

gcttggccgt ggccagaaac gccgggtcgt ccgccccgtt tgccgtctcg gccgtggggg 89820

ttggcggttg gcgaaggccg gctaggctcg ccaataggcg ctgcataggt ccgtccgagg 89880

gcggaccggc gggtgaggtc gtgacgacgg gggcctcgga cgggagaccg cggtctgcca 89940

tgacgcccgg ctcgcgtggg tgggggacag cgtagaccaa cgacgagacc gggcgggaat 90000

gactgtcgtg cgctgtaggg agcggcgaat tatcgatccc ctgcggccct ccaggaaccc 90060

cgcaggcgtt gcgagtaccc cgcgtcttcg cggggtgtta tacggccact taagtcccgg 90120

catcccgttc gcggacccag gcccgggggа ttgtccggat gtgcgggcag cccggacggc 90180

gtgggttgcg gactttctgc ggggcggccc aaatggccct ttaaacgtgt gtatacggac 90240

gcgccgggcc agtcggccaa cacaacccac cggaggcggt agccgcgttt ggctgtgggg 90300

tgggtggttc cgccttgcgt gagtgtcctt tcgacccccc cctcccccgg gtcttgctag 90360

gtcgcgatct gtggtcgcaa tgaagaccaa tccgctaccc gcaacccctt ccgtgtgggg 90420

cgggagtacc gtggaactcc cccccaccac acgcgatacc gcggggcagg gcctgcttcg 90480

gtgcgtcctg cgcccccga tctctcgccg cgacggccca gtgctcccca gggggtcggg 90540

accccggagg gcggccagca cgctgtggtt gcttggcctg gacggcacag acgcgccccc 90600

tggggcgctg acccccaacg acgataccga acaggccctg gacaagatcc tgcggggcac 90660

catgcgcggg ggggcggccc tgatcggctc cccgcgccat catctaaccc gccaagtgat 90720

cctgacggat ctgtgccaac ccaacgcgga tcgtgccggg acgctgcttc tggcgctgcg 90780

gcaccccgcc gacctgcctc acctggccca ccagcgcgcc ccgccaggcc ggcagaccga 90840

gcggctgggc gaggcctggg gccagctgat ggaggcgacc gccctggggt cggggcgagc 90900

cgagagcggg tgcacgcgcg cgggcctcgt gtcgtttaac ttcctggtgg cggcgtgtgc 90960

cgcctcgtac gacgcgcgcg acgccgccga tgcggtacgg gcccacgtca cggccaacta 91020

ccgcgggacg cgggtggggg cgcgcctgga tcgtttttcc gagtgtctgc gcgccatggt 91080

tcacacgcac gtcttccccc acgaggtcat gcggtttttc ggggggctgg tgtcgtgggt 91140

cacccaggac gagctagcga gcgtcaccgc cgtgtgcgcc gggccccagg aggcggcgca 91200

caccggccac ccgggccggc cccgctcggc cgtgatcctc ccggcgtgtg cgttcgtgga 91260

cctggacgcc gagctggggc tgggggccc gggcgcggcg tttctgtacc tggtattcac 91320

ttaccgccag cgccgggacc aggagctgtg ttgtgtgtac gtgatcaaga gccagctccc 91380

cccgcgcggg ttggagccgg ccctggagcg gctgtttggg cgcctccgga tcaccaacac 91440

gattcacggc accgaggaca tgacgccccc ggccccaaac cgaaaccccg acttcccct 91500

cgcgggcctg gccgccaatc cccaaacccc gcgttgctcg gctggccagg tcacgaaccc 91560

ccagttcgcc gacaggctgt accgctggca gccggacctt cgggggcgcc ccaccgcacg 91620

cacctgtacg tacgccgcct ttgcagagct cggcatgatg cccgaggata gtccccgctg 91680

cctgcaccgc accgagcgct ttggggcggt cagcgtcccc gttgttattc tggaaggcgt 91740

ggtgtggcgc cccggcgagt ggcgggcatg cgcgtgagcg tagcaaacgc cccgcccaca 91800

caacgctccg cccccaaccc cttccccgct gtcactcgtg gttcgttgac ccggacgtcc 91860

gccaaataaa gccactgaaa cccgaaacgc gagtgttgta acgtcctttg ggcgggagga 91920

agccacaaaa tgcaaatggg atacatggaa ggaacacacc cccgtgactc aggacatcgg 91980

cgtgtccttt tgggtttcac tgaaactggc ccgcgcccca cccctgcgcg atgtggataa 92040

aaagccagcg cgggtggttt agggtaccac aggtgggtgc tttggaaact tgtcggtcgc 92100

cgtgctcctg tgagcttgcg tccctccccg gtttcctttg cgctcccgcc ttccggacct 92160

gctctcgcct atcttctttg gctgtcggtg cgattcgtca ggcagcggcc ttgtcgaatc 92220

tcgaccccac cactcgccgg acccgccgac gtcccctctg gagcccgccg aaacccgccg 92280

cgtctgttga aatggccagc cgcccagccg catcctctcc cgtcgaagcg cgggccccgg 92340

ttgggggaca ggaggccggc ggccccagcg cagccaccca gggggaggcc gccggggccc 92400

ctctcgccca cggccaccac gtgtactgcc agcgagtcaa tggcgtgatg gtgctttccg 92460

acaagacgcc cgggtccgcg tcctaccgca tcagcgatag caactttgtc caatgtggtt 92520

ccaactgcac catgattatc gacggagacg tggtgcgcgg gcgcccccag gacccggggg 92580

ccgcggcatc ccccgctccc ttcgttgcgg tgacaaacat cggagccggc agcgacggcg 92640

ggaccgccgt cgttgcattc gggggaaccc cacgtcgctc ggcggggacg tctaccggta 92700

cccagacggc cgacgtccca gccgaggccc ttgggggccc ccctcctcct ccccgcttca 92760

ccctgggtgg cggctgttgc tcctgtcgcg acacacggcg ccgctctgcg gtattcgggg 92820

gggaggggga tcccgtcggc cccgcggagt tcgtctcgga cgaccggtcg tccgattccg 92880

actcggatga ctcggaggac accgactcgg agacgctgtc acacgcctcc tcggacgtgt 92940

ccggcggggc cacgtacgac gacgcccttg actccgattc gtcatcggat gactccctgc 93000

agatagatgg ccccgtgtgt cgcccgtgga gcaatgacac cgcgcccctg gatgtttgcc 93060

ccgggacccc cggcccgggc gccgacgccg gtggtccctc agcggtagac ccacacgcgc 93120

cgacgacagg ggccggcgct ggtcttgcgg ccgatcccgc cgtggcccgg gacgacgcgg 93180

aggggctttc ggacccccgg ccacgtctgg gaacgggcac ggcctacccc gtccccctgg 93240

aactcacgcc cgagaacgcg gaggccgtgg cgcgctttct gggagatgcc gtgaaccgcg 93300

aacccgcgct catgctggag tacttttgcc ggtgcgcccg cgaggaaacc aagcgtgtcc 93360

cccccaggac attctgcagc ccccctcgcc tcacggagga cgactttggg cttctcaact 93420

acgcgctcgt ggagatgcag cgcctgtgtc tggacgttcc tccggtcccg ccgaacgcat 93480

acatgcccta ttatctcagg gagtatgtga cgcggctggt caacgggttc aagccgctgg 93540

tgagccggtc cgctcgcctt taccgcatcc tgggggttct ggtgcacctg cggatccgga 93600

cccgggaggc ctcctttgag gagtggctgc gatccaagga agtggccctg gactttggcc 93660

tgacggaaag gcttcgcgag cacgaagccc agctggtgat cctggcccag gctctggacc 93720

attacgactg tctgatccac agcacaccgc acacgctggt cgagcggggg ctgcaatcgg 93780

ccctgaagta tgaggagttt tacctaaagc gctttggcgg gcactacatg gagtccgtct 93840

tccagatgta cacccgcatc gccggctttt tggcctgccg ggccacgcgc ggcatgcgcc 93900

acatcgccct ggggcgagag gggtcgtggt gggaaatgtt caagttcttt ttccaccgcc 93960

tctacgacca ccagatcgta ccgtcgaccc ccgccatgct gaacctgggg acccgcaact 94020

actacacctc cagctgctac ctggtaaacc cccaggccac cacaaacaag gcgaccctgc 94080

gggccatcac cagcaacgtc agtgccatcc tcgcccgcaa cgggggcatc gggctatgcg 94140

tgcaggcgtt taacgactcc ggccccggga ccgccagcgt catgcccgcc ctcaaggtcc 94200

tcgactcgct ggtggcggcg cacaacaaag agagcgcgcg tccgaccggc gcgtgcgtgt 94260

acctggagcc gtggcacacc gacgtgcggg ccgtgctccg gatgaagggg gtcctcgccg 94320

gcgaagaggc ccagcgctgc gacaatatct tcagcgccct ctggatgcca gacctgtttt 94380

tcaagcgcct gattcgccac ctggacggcg agaagaacgt cacatggacc ctgttcgacc 94440

gggacaccag catgtcgctc gccgactttc acggggagga gttcgagaag ctctaccagc 94500

acctcgaggt catggggttc ggcgagcaga tacccatcca ggagctggcc tatggcattg 94560

tgcgcagtgc ggccacgacc gggagcccct tcgtcatgtt caaagacgcg gtgaaccgcc 94620

actacatcta cgacacccag ggggcggcca tcgccggctc caacctctgc accgagatcg 94680

tccatccggc ctccaagcga tccagtgggg tctgcaatct gggaagcgtg aatctggccc 94740

gatgcgtctc caggcagacg tttgactttg ggcggctccg cgacgccgtg caggcgtgcg 94800

tgctgatggt gaacatcatg atcgacagca cgctacaacc cacgccccag tgcacccgcg 94860

gcaacgacaa cctgcggtcc atgggaatcg gcatgcaggg cctgcacacg gcctgcctga 94920

agctggggct ggatctggag tctgccgaat ttcaggacct gaacaaacac atcgccgagg 94980

tgatgctgct gtcggcgatg aagaccagca acgcgctgtg cgttcgcggg gcccgtccct 95040

tcaaccactt taagcgcagc atgtatcgcg ccggccgctt tcactgggag cgctttccgg 95100

acgcccggcc gcggtacgag ggcgagtggg agatgctacg ccagagcatg atgaaacacg 95160

gcctgcgcaa cagccagttt gtcgcgctga tgcccaccgc cgcctcggcg cagatctcgg 95220

acgtcagcga gggctttgcc cccctgttca ccaacctgtt tagcaaggtg acccgggacg 95280

gcgagacgct gcgccccaac acgctcctgc taaaggaact ggaacgcacg tttagcggga 95340

agcgcctcct ggaggtgatg gacagtctcg acgccaagca gtggtccgtg gcgcaggcgc 95400

tcccgtgcct ggagcccacc cacccctcc ggcgattcaa gaccgcgttt gactacgacc 95460

agaagttgct gatcgacctg tgtgcggacc gcgcccccta cgtcgaccat agccaatcca 95520

tgaccctgta tgtcacggag aaggcggacg ggaccctccc agcctccacc ctggtccgcc 95580

ttctggtcca cgcatataag cgcggactaa aaacagggat gtactactgc aaggttcgca 95640

aggcgaccaa cagcggggtc tttggcggcg acgacaacat tgtctgcacg agctgcgcgc 95700

tgtgaccgac aaacccctc cgcgccaggc ccgccgccac tgtcgtcgcc gtcccacgcg 95760

ctcccccgct gccatggatt ccgcggcccc agccctctcc cccgctctga cggcccatac 95820

gggccagagc gcgccggcgg acctggcgat ccagattcca aagtgccccg accccgagag 95880

gtacttctac acctcccagt gtcccgacat taaccacctg cgctccctca gcatccttaa 95940

ccgctggctg gaaaccgagc ttgttttcgt gggggacgag gaggacgtct ccaagctttc 96000

cgagggcgag ctcagctttt accgcttcct cttcgctttc ctgtcggccg ccgacgacct 96060

ggttacggaa aacctgggcg gcctctccgg cctgtttgag cagaaggaca ttctccacta 96120

ctacgtggag caggaatgca tcgaagtcgt acactcgcgc gtgtacaaca tcatccagct 96180

ggtgcttttt cacaacaacg accaggcgcg ccgcgagtac gtggccggca ccatcaacca 96240

cccggccatc cgcgccaagg tggactggtt ggaagcgcgg gtgcgggaat gcgcctccgt 96300

tccggaaaag ttcattctca tgatcctcat cgagggcatc ttttttgccg cctcgtttgc 96360

cgccatcgcc taccttcgca ccaacaacct tctgcgggtc acctgccagt caaacgacct 96420

catcagccgg gacgaggccg tgcacacgac ggcctcgtgt tacatctaca acaactacct 96480

cggcgggcac gccaagcccc cgcccgaccg cgtgtacggg ctgttccgcc aggcggtcga 96540

gatcgagatc ggatttatcc gatcccaggc gccgacggac agccatatcc tgagcccggc 96600

ggcgctggcg gccatcgaaa actacgtgcg attcagcgcg gatcgcctgt tgggccttat 96660

ccacatgaag ccactgtttt ccgccccacc ccccgacgcc agctttccgc tgagcctcat 96720

gtccaccgac aaacacacca atttttttcga gtgtcgcagc acctcctacg ccggggcggt 96780

cgtcaacgat ctgtgagggt cgcggcgcgc ttctacccgt gtttgcccat aataaacctc 96840

tgaaccaaac tttgggtctc attgtgattc ttgtcaggga cgcgggggtg ggagaggata 96900

aaaggcggcg caaaaagcag taaccaggtc cggccagatt ctgagggcat aggataccat 96960

aattttattg gtgggtcgtt tgttcgggga caagcgcgct cgtctgacgt ttgggctact 97020

cgtcccagaa tttggccagg acgtccttgt agaacgcggg tgggggggcc tgggtccgca 97080

gctgctccag aaacctgtcg gcgatatcag gggccgtgat atgccgggtc acgatagatc 97140

gcgccaggtt ttcgtcgcgg atgtcctggt agataggcag gcgtttcaga agagtccacg 97200

gcccccgctc cttggggccg ataagcgata tgacgtactt aatgtagcgg tgttccacca 97260

gctcggtgat ggtcatggga tcggggagcc agtccaggga ctctggggcg tcgtggatga 97320

cgtggcgtcg ccggctggcc acataactgc ggtgctcttc cagcagctgc gcgttcggga 97380

cctggacgag ctcgggcggg gtgagtatct ccgaggagga cgacctgggg ccggggtggc 97440

ccccggtaac gtcccgggga tccaggggga ggtcctcgtc gtcttcgtat ccgccggcga 97500

tctgttgggt tagaatttcg gtccacgaga cgcgcgtctc ggtgccgccg gtggccggcg 97560

gcagaggggg cctggtttcc gtggagcgcg agctggtgtg ttcccggcgg atggcccgcc 97620

gggtctgaga gcgactcggg ggggtccagt gacattcgcg cagcacatcc tccacggagg 97680

cgtaggtgtt attgggatgg aggtcggtgt ggcagcggac aaagagggcc aggaactggg 97740

ggtagctcat cttaaagtac ttcagtatat cgcgacagtt gatcgtggga atgtagcagg 97800

cgctaatatc caacacaata tcgcagccca tcaacaggag gtcagtgtcc gtggtgtaca 97860

cgtacgcgac cgtgttggtg tgatagaggt tggcgcaggc atcgtccgcc tccagctgac 97920

ccgagttaat gtaggcgtac cccagggccc ggagaacgcg aatacagaac agatgcgcca 97980

gacgcagggc cggcttcgag ggcgcggcgg acggcagcgc ggctccggac ccggccgtcc 98040

cccgggtccc cgaggccaga gaggtgccgc gtcggcgcat gttggaaaag gcagagctgg 98100

gtctggagtc ggtgatgggg gaaggcggtg gagaggcgtc cacgtcactg gcctcctcgt 98160

ccgtccggca ctgggccgtc gtgcgggcca ggatggcctt ggctccaaac acaaccggct 98220

ccatacaatt gaccccgcga tcggtaacga agatggggaa aagggacttt tgggtaaaca 98280

cctttaataa gcgacagagg cagtgtagcg taatggcctc gcggtcgtaa ctggggtatc 98340

ggcgctgata tttgaccacc aacgtgtaca tgacgttcca caggtccacg gcaatggggg 98400

tgaagtaccc ggccggggcc ccaaggcccc ggcgcttgac cagatggtgt gtgtgggcaa 98460

acttcatcat cccgaacaaa cccatgtcag gtcgattgta actgcggatc ggcctaacta 98520

aggcgtggtt ggtgcgacgg tccgggacac ccgagcctgt ctctctgtgt atggtgaccc 98580

agacaacaac accgacacaa gaggacaata atccgttagg ggacgctctt tataatttcg 98640

atggcccaac tccacgcgga ttggtgcagc accctgcatg cgccggtgcg ggccaacctt 98700

ccccccgctc attgcctctt ccaaaagggt gtggcctaac gagctggggg cgtatttaat 98760

caggctagcg cggcgggcct gccgtagttt ctggctcggt gagcgacggt ccggttgctt 98820

gggtcccctg gctgccatca aaaccccacc ctcgcagcgg catacgcccc ctccgcgtcc 98880

cgcacccgag accccggccc ggctgccctc accaccgaag cccacctcgt cactgtgggg 98940

tgttcccagc ccgcgttggg atgacggatt cccctggcgg tgtggccccc gcctcccacg 99000

tggaggacgc gtcggacgcg tccctcgggc agccggagga gggggcgccc tgccaggtgg 99060

tcctgcaggg cgccgagctt aatggaatcc tacaggcgtt tgccccgctg cgcacgagcc 99120

ttctggactc gcttctggtt atgggagacc ggggcatcct tatccataac acgatctttg 99180

gggagcaggt gttcctgccc ctggaacact cgcaattcag tcggtatcgc tggcgcggac 99240

ccacggcggc gttcctgtct ctcgtggacc agaagcgctc cctcctgagc gtgtttcgcg 99300

ccaaccagta cccggaccta cgtcgggtgg agttggcgat cacgggccag gccccgtttc 99360

gcacgctggt tcagcgcata tggacgacga cgtccgacgg cgaggccgtt gagctagcca 99420

gcgagacgct gatgaagcgc gaactgacga gctttgtggt gctggttccc cagggaaccc 99480

ccgacgttca gttgcgcctg acgaggccgc agctcaccaa ggtccttaac gcgaccgggg 99540

ccgatagtgc cacgcccacc acgttcgagc tcggggttaa cggcaaattt tccgtgttca 99600

ccacgagtac ctgcgtcaca tttgctgccc gcgaggaggg cgtgtcgtcc agcaccagca 99660

cccaggtcca gatcctgtcc aacgcgctca ccaaggcggg ccaggcggcc gccaacgcca 99720

agacggtgta cggggaaaat acccatcgta ccttctctgt ggtcgtcgac gattgcagca 99780

tgcgggcggt gctccggcga ctgcaggtcg ccgggggcac cctcaagttc ttcctcacga 99840

cccccgtccc cagtctgtgc gtcaccgcca ccggtcccaa cgcggtatcg gcggtatttc 99900

tcctgaaacc ccagaagatt tgcctggact ggctgggtca tagccagggg tctccttccg 99960

ccgggagctc ggcctcccgg gcctctggga gcgagccaac agacagccag gactccgcgt 100020

cggacgcggt cagccacggc gatccggaag acctcgatgg cgctgcccgg gcgggagagg 100080

cgggggcctc gtacgcctgt ccgatgccgt cgtcgaccac gcgggtcact cccacgacca 100140

agcgggggcg ctcgggggggc gaggatgcgc acgcggacac ggccctaaag aaacctaaga 100200

cggggtcgcc caccgcaccc ccgcccgcag atccagtccc cctggacacg gaggacgact 100260

ccgatgcggc ggacgggacg gcggcccgtc ccgccgctcc agacgcccga agcggaagcc 100320

gttacgcgtg ttactttcgc gacctcccga ccggagaagc aagccccggc gccttctccg 100380

ccttccgggg gggcccccaa accccgtctg gttttggatt cccctgacgg ggcggggcct 100440

tagcggccgc ccaaccctcg caacatcccg gggttaatgt aaataaactt ggtattgccc 100500

aacactctcc cgcgtgtcgc gtgtggttca tgtgtgtgcc tggcgccccc accctcgggt 100560

tcgtgtattt cctttccctg tccttataaa agccgtatgt ggggcgctga cggaaccacc 100620

ccgcgtgcca tcacggccaa ggcgcgggat gctccgcaac gacagccacc gggccgcgtc 100680

cccggaggac ggccagggac gggtcgacga cggacggcca cacctcgcgt gcgtgggggc 100740

cctggcgcgg gggttcatgc atatctggct tcaggccgcc acgctgggtt ttgcgggatc 100800

ggtcgttatg tcgcgcgggc cgtacgcgaa tgccgcgtct ggggcgttcg ccgtcgggtg 100860

cgccgtgctg ggctttatgc gcgcgccccc tcccctcgcg cggcccaccg cgcggatata 100920

cgcctggctc aaactggcgg ccggtggagc ggcccttgtt ctgtggagtc tcggggagcc 100980

cggcacgcag ccgggggccc tggccccggg cccggccacc cagtgcctgg cgctgggcgc 101040

cgcctatgcg gcgctcctgg tgctcgccga tgacgtctat ccgctctttc tcctcgcccc 101100

ggggcccctg ttcgtcggca ccctggggat ggtcgtcggc gggctgacga tcggaggcag 101160

cgcgcgctac tggtggatcg gtgggcccgc cgcggccgcc ctggccgcgg cggtgttggc 101220

gggcccgggg gcgaccaccg ccagggactg cttctccagg gcgtgccccg accaccgccg 101280

cgtctgcgtc atcgtcgcag gcgagtctgt ttcccgccgc cccccggagg acccagagcg 101340

acccggggac ccagggccac cgtccccccc gacaccccaa cgatcccagg ggccgccggc 101400

cgatgaggtc gcaccggccg gggtagcgcg gcccgaaaac gtctgggtgc ccgtggtcac 101460

ctttctgggg gctggcgcgc tcgccgtcaa gacggtgcga gaacatgccc ggggaacgcc 101520

gggcccgggc ctgccgctgt ggccccaggt gtttctcgga ggccatgtgg cggtggccct 101580

gacggagctg tgtcaggcgc ttgcgccctg ggaccttacg gacccgctgc tgtttgttca 101640

cgccggactg caggtcatca acctcgggtt ggtgtttcgg ttttccgagg ttgtcgtgta 101700

tgcggcgcta gggggtgccg tgtggatttc gttggcgcag gtgctggggc tccggcgtcg 101760

cctgcacagg aaggaccccg gggacggggc ccggttggcg gcgacgcttc ggggcctctt 101820

cttctccgtg tacgcgctgg ggtttggggt gggggcgctg ctgtgccctc cggggtcaac 101880

gggcgggcgg tcgggcgatt gatatatttt tcaataaaag gcattagtcc cgaagaccgc 101940

cggtgtgtga tgatttcgcc ataacaccca aaccccggat ggggcccggg tataaattcc 102000

ggaaggggac acgggctacc ttcactaccg agggcgcttg gtcgggaggc cgcatcgaac 102060

gcacaccccc atccggtggt ccgtgtggag gtcgtttttc agtgcccggt ctcgctttgc 102120

cgggaacgct agccgatccc tcgcgagggg gaggcgtcgg gcatggcccc ggggcgggtg 102180

ggccttgccg tggtcctgtg gagcctggtg tggctcgggg cgggggtgtc cgggggctcg 102240

gaaactgcct ccaccgggcc cacgatcacc gcgggagcgg tgacgaacgc gagcgaggcc 102300

cccacatcgg ggtcccccgg gtcagccgcc agcccggagg tcacccccac atcgacccca 102360

aaccccaaca atgtcacaca aaaccaaacc acccccaccg agccggccag ccccccaaca 102420

acccccaagc ccacctccac acccaaaagc ccccccacgt ccacccccga ccccaaaccc 102480

aagaacaaca ccacccccgc caagtcggac cgccccacta aacccccggg gcccgtgtgg 102540

tgcgaccgcc gcgatttatt ggcccggtac ggctcgcggg tgcagatccg atgccggttt 102600

cggaattcca cccgcatgga gttccgcctc cagatatggc gttactccat gggtccgtcc 102660

cccccaatcg ctccggctcc cgacctagag gaggtcctga cgaacatcac cgccccaccc 102720

gggggactcc tggtgtacga cagcgccccc aacctaacgg acccccacgt gctctgggcg 102780

gagggggccg gcccgggcgc cgaccctccg ttgtattctg tcaccgggcc gctgccgacc 102840

cagcggctga ttatcggcga ggtgacgccc gcgacccagg gaatgtatta cttggcctgg 102900

ggccggatgg acagcccgca cgagtacggg acgtgggtgc gcgtccgcat gttccgcccc 102960

ccgtctctga ccctccagcc ccacgcggtg atggagggtc agccgttcaa ggcgacgtgc 103020

acggccgccg cctactaccc gcgtaacccc gtggagtttg tctggttcga ggacgaccac 103080

caggtgttta acccgggcca gatcgacacg cagacgcacg agcaccccga cgggttcacc 103140

acagtctcta ccgtgacctc cgaggctgtc ggcggccagg tccccccgcg gaccttcacc 103200

tgccagatga cgtggcaccg cgactccgtg acgttctcgc gacgcaatgc caccgggctg 103260

gccctggtgc tgccgcggcc aaccatcacc atggaatttg gggtccggca tgtggtctgc 103320

acggccggct gcgtccccga gggcgtgacg tttgcctggt tcctgggggа cgacccctca 103380

ccggcggcta agtcggccgt tacggcccag gagtcgtgcg accgccccgg gctggctacg 103440

gtccggtcca ccctgcccat ttcgtacgac tacagcgagt acatctgtcg gttgaccgga 103500

tatccggccg ggattcccgt tctagagcac cacggcagtc accagccccc acccagggac 103560

cccaccgagc ggcaggtgat cgaggcgatc gagtgggtgg ggattggaat cggggttctc 103620

gcggcggggg tcctggtcgt aacggcaatc gtgtacgtcg tccgcacatc acagtcgcgg 103680

cagcgtcatc ggcggtaacg cgagaccccc ccgttacctt tttaatatct atatagtttg 103740

gtccccctct atcccgccca ccgctgggcg ctataaagcc gccaccctct cttccctcag 103800

gtcatccttg gtcgatcccg aacgacacac ggcgtggagc aaaacgcctc cccctgagcc 103860

gctttcctac cagcgcaacg gcatgcctct gcgggcatcg gaacacgcct accggcccct 103920

gggccccggg acacccccca tgcgggctcg gctccccgcc gcggcctggg ttggcgtcgg 103980

gaccatcatc gggggagttg tgatcattgc cgcgttggtc ctcgtgccct cgcgggcctc 104040

gtgggcactt tccccatgcg acagcggatg gcacgagttc aacctcgggt gcatatcctg 104100

ggatccgacc cccatggagc acgagcaggc ggtcggcggc tgtagcgccc cggcgaccct 104160

gatcccccgc gcggctgcca aacagctggc cgccgtcgca cgcgtccagt cggcaagatc 104220

ctcgggctac tggtgggtga gcggagacgg cattcgggcc tgcctgcggc tcgtcgacgg 104280

cgtcggcggt attgaccagt tttgcgagga gcccgccctt cgcatatgct actatccccg 104340

cagtcccggg ggctttgttc agtttgtaac ttcgacccgc aacgcgctgg ggctgccgtg 104400

aggcgcgtgt actgcggtct gtctcgtctc ctcttctccc cttccctccc cctccgcatc 104460

ccaggatcac accggccaac gagggttggg gggtccggca cggacccaaa ataataaaca 104520

cacaatcacg tgcgataaaa agaacacgcg gtcccctgtg gtgtttttgg ttatttttat 104580

taaatctcgt cgtcaaacag ggggaaaggg gcgtggtcta gcgacggcag cacgggtgga 104640

ggcgttcacc ggctccggcg tccttcgcgt ttaagcttgg tcaggagggc gctcagggcg 104700

gcgacgttgg tcgggccgtc gttggtcagg gcgttggctc gatggcgggc gaggacgggc 104760

gaggggctca acggcggggg cgggggcccg gtgcggcccg ggggggaaaa tagggcggat 104820

ccccccccagt cgtacagggg attttccgcc tcaatgtacg gggaggccgg cgctgcattc 104880

gccgtgttcg cgcagacgtt ttcgtagacc cgcatccatg gtatttcctc gtagacacgc 104940

cccccgtcct cgctcacagt ctcgtatatt gactcgtcgt cctcgtaggg ggcgtgccgt 105000

tcgcgggccg aggcggcgtg ggtggctttg cggcgggcgt cgtcgtcgtc gtcggccgtc 105060

agatacgtgg cttccatctg gtcgggttct ccctccgggg cgggtcccca cccccgtggc 105120

cgatcgaggc tccccagaga cgcgcgccgg acgaggaggg ggcacgtcgc cgccggcggt 105180

cgcctgtcgg gtcccgcgac gttacgggcc gggaggcgcg ggggcacctc ccccatgtgc 105240

gtgtaatacg tggccggctg tgcggccgca gcgggggggct cggcgaccgg gtcgtccgca 105300

tccggaagcg ggggcgccgc gccgtccgcg cggcgcctcc ggaaccgccg ggtggccgcg 105360

ggggtcgagt gtaggcgagg tcgggggagg ggcgggggct cgttgtcgcg ccgcgcccgc 105420

tgaatctttt cccgacaggt cccacccccc gcgcgatgcc cccccgggcc gcgggccatg 105480

tcgtccgggg gaggccccgc ggaccacgtc gtccggcgag acgccacgag ccgcaggatg 105540

gactcgtagt ggagcgacgg cgccccgctg cggagcagat ccgcggccag ggcggccccg 105600

aaccaagcct tgatgctcaa ctccatccgg gcccagctgg gggcggtcat cgtggggaac 105660

agggggggcgg tggtccgaca gaaacgctcc tggctgtcca ccgcggcccg cagatactcg 105720

ttgttcaggc tgtcggtggc ccagacgccg tacccggtga gggtcgcgtt gatgatatac 105780

tgggcgtggt gatggacgat cgacagaacc tccaccgtgg atacgacggt atccacggtc 105840

ccgtacgtac cgccgctccg cttgccggtc tgccacaggt tggctaggcg cgtcaggtgg 105900

cccaggacgt cgctgaccgc cgccctgagc gccatgcact gcatggagcc ggtcgtgccg 105960

ctgggacccc ggtccagatg gcgcgcgaac gtttccgcgg gcgcctccgg gctgccgccg 106020

agcgggagga accggcgatt ggagggactc agccggtggc atacgtgctt gtctgtcgtc 106080

cacagcatcc aggacgccca ccggtacagc acggagacgt aggccaggag ctcgttgagc 106140

cgcagtgcgg tgtcggtgct ggggcggctt gggtccgccg ggcgcataaa gaacatgtac 106200

tgctgaatcc gatggagggc gtcgcgcagg ccggccacgg tggcggcgta cttggccgcc 106260

gcggccccgc tcttgaacgg ggtgcgcgcc agcagctttg gcgccagggt gggccgcagc 106320

agcacgtgaa ggctggggtc gcagtcgccc acggggtcct cggggacgtc caggccgctg 106380

ggcaccaccg tctgcaggta cttccagtac tgcgtgagga tggcgcggct caactggccg 106440

ccggtgagct ccacctcgcc cagcgcctgg gtggcggccg aagcgtagtg ccggatgtac 106500

tcgtagtgcg ggtcgctggc gagcccgtcc acgatcaaac tctcgggaac cgtgttgtgt 106560

tgccgcgcgg ccaaccggac gctgcgatcg gtgcaggtca gaaacgccgg ctgcgcgtcg 106620

tcggagcgct gccgcaaggc gcccacggcc gcgctaagga gcccctccgg ggtggggagc 106680

agacacccgc cgaagatgcg ccgctcggga acgcccgcgt tgtcgccgcg gatcaggttg 106740

gcaggcgtca ggcaccgcgc cagccgcagg gagctcgcgc cgcgcgtccg gcgctgcatg 106800

gtgacgcccg ttcggtcggg acccgccggt cggagttatg ccgcgtccag ggccatcggg 106860

gcgcttttta tcgggaggag cttatgggcg tggcgggcct cccagcccgg tcgcgcgcct 106920

ccccgacacg tgcgcccgca gggcggcggc cccctcgtct cccatcagca gtttcctaaa 106980

ctgggacatg atgtccacca cgcggacccg cgggcccaac acggacccgc cgcttacggg 107040

ggcgggggggg aagggctcca ggtccttgag aagaaaggcg gggtctgccg tcccggacac 107100

gggggcccgg ggcgctgagg aggcggggcg cagatccacg tgctccgcgg ccgcgcggac 107160

gtccgcccag aacttggcgg gggtggtgcg cgcgtacagg ggctgggtcg ctcggaggac 107220

gcacgcgtag cgcaggggggg tgtacgtgcc cacctcgggg gccgtgaatc ccccgtcaaa 107280

cgcggccagt gtcacgcacg ccaccacggt gtcggcaaag cccagcagcc gctgcaggac 107340

gagcccggcg gccagaatgg cgcgcgtggc cgccgcgtcg tcccggcgcc ggtgcgcgtc 107400

cccgcacgcc cgggcgtact ttaaggtcac ggtcgccagg gccgtgtgca gcgcgtacac 107460

cgcagcgccc agcacggcgt tgagcccgct gttggcgagc agccggcgcg ctgcggtgtc 107520

gcccagcgcc tcgtgctcgg cccccacgac cgcggggctt cccaggggca gggcgcgaaa 107580

cagctcctcc cgcgccacgt ccgcaaaggc ggggtggtgc acgtgcgggt gcaggcgcgc 107640

ccccacgacc accgagagcc actggaccgt ctgctccgcc atcaccgcca gcacatccag 107700

cacgcgcccc aggaaggcgg cctcccgcgt caaaacgcac cggacggcgt cgggattgaa 107760

gcgggcgagc agggccccgg tggccaggta cgtcatgcgg ccggcatagc gggcggccac 107820

gcgacagtcg cggtccagca gcgcgcgcac cccgggccag tacagcaggg accccagcga 107880

gctgcgaaac accgcggcgt cggggccgga ttgggggggac actaaccccc ccgcgctcag 107940

taacggcacg gccgcggccc cgacgggacg caacgccgtg aggctcgcga actgccgcct 108000

cagctcggca gccctgtcgt ccaggtccga cccgcgcgcc tctgcgtgaa ggcgcgtccc 108060

gcacacccac ccgttgatgg ccagccgcac gacggcatcc gccaaaaagc tcatcgcctg 108120

ggcggggctg gtttttgttc gacgatccgt caggtcaaga atcccatcgc ccgtgatata 108180

ccaggccaac gcctcgccct gctgcagggt ttggcggaaa aacaccgcgg ggttgtcggg 108240

ggaggcgaag tgcatgaccc ccacgcgcga taacccgaac gcgctatccg gacacgggta 108300

aaacccggcc ggatgcccca gggctagggc ggagcgcacg gactcgtccc acacggcaac 108360

ctgaggggcc agtcgatcca acgggaatgc cgcccggagc tccgggcccg gcacgcgtcc 108420

ctccagaacc tccaccttgg gcggggaacg ggccccgccg ccgtcctccg gcccgacgtc 108480

ttccgggtag tcgtcctcct cgtactgcag ctcctctagg aacagcggcg acggcgccac 108540

ccgcgaaccg ccgacccgcc ccaaaatagc ccgcgcgtcg acgggaccca ggtatccccc 108600

ctgccgggcc tgcggaggac cgcggggaac ctcatcatca tcgtccaggc gaccgcgcac 108660

cgactggcta cgggccgcat cgggcccggg gcgctgccgg gacgctcggc gatgggatgt 108720

gggcggggct tccgacgcgc gccgtcgtcg ggctcgcggg ccttcccgtc gacggcgcac 108780

gggcggctcg tcgcccgcca tctcctccag agcctctagc tcgctgtcgt catccccgcg 108840

gaacaccgca cgcaggtacc ccatgaaccc caccccatcg cccgctggct cgtccgccac 108900

gggcgaggcg cgggggcggg tggatgcgcg cctcctacgc cccgcgggtt cgcgagccga 108960

catggtggcg atagacgcgg gttatcggat gtccgctacc ccccaaaaaa gaaaaagacc 109020

ccacagcgcg gatggaggcc ggggtaggtg ccgccggacc ccctcgcgat gggaatggac 109080

gggagcgacg gggccggcgc aaaaaacgca gtatctcccg cgaaggctac ccgccgcccc 109140

agcccccggc caaatgcgga aacggtcccg cgctctcgcc tttatacgcg ggccgccctg 109200

cgacacaatc acccgtccgt ggtttcgaat ctacacgaca ggcccgcaga cgcggctaac 109260

acacacgccg gcaacccaga ccccagtggg ttggttgcgc ggtcccgtct cctggctagt 109320

tcttttcccc accaccaaat aatcagacga caaccgcagg tttttgtaat gtatgtgctc 109380

gtgtttattg tggatacgaa ccggggacgg gaggggaaaa cccagacggg ggatgcgggt 109440

ccggtcgcgc cccctaccca ccgtactcgt caattccaag ggcatcggta aacatctgct 109500

caaactcgaa gtcggccata tccagagcgc cgtagggggc ggagtcgtgg ggggtaaatc 109560

ccggacccgg ggaatccccg tcccccaaca tgtccagatc gaaatcgtct agcgcgtcgg 109620

catgcgccat cgccacgtcc tcgccgtcta agtggagctc gtcccccagg ctgacatcgg 109680

tcgggggggc cgtcgacagt ctgcgcgtgt gtcccgcggg gagaaaggac aggcgcggag 109740

ccgccagccc cgcctcttcg ggggcgtcgt cgtccgggag atcgagcagg ccctcgatgg 109800

tagacccgta attgtttttc gtacgcgcgc ggctgtacgc gtgttcccgc atgaccgcct 109860

cggagggcga ggtcgtgaag ctggaatacg agtccaactt cgcccgaatc aacaccataa 109920

agtacccaga ggcgcgggcc tggttgccat gcagggtggg aggggtcgtc aacggcgccc 109980

ctggctcctc cgtagccgcg ctgcgcacca gcgggaggtt aaggtgctcg cgaatgtggt 110040

ttagctcccg cagccggcgg gcctcgattg gcactccccg gacggtgagc gctccgttga 110100

cgaacatgaa gggctggaac agacccgcca actgacgcca gctctccagg tcgcaacaga 110160

ggcagtcaaa caggtcgggc cgcatcatct gctcggcgta cgcggcccat aggatctcgc 110220

gggtcaaaaa tagatacaaa tgcaaaaaca gaacacgcgc cagacgagcg gtctctcggt 110280

agtacctgtc cgtgatcgtg gcgcgcagca tttctcccag gtcgcgatcg cgtccgcgca 110340

tgtgcgcctg gcggtgcagc tgccggacgc tggcgcgcag gtaccggtac agggccgagc 110400

agaagttggc caacacggtt cgatagctct cctcccgcgc ccgtagctcg gcgtggaaga 110460

aacgagagag cgcttcgtag tagagcccga ggccgtcgcg ggtggccgga agcgtcggga 110520

aggccacgtc gccgtgggcg cgaatgtcga tttgggcgcg ttcggggacg tacgcgtccc 110580

cccattccac cacatcgctg ggcagcgttg ataggaattt acactcccgg tacaggtcgg 110640

cgttggtcgg taacgccgaa aacaaatcct cgttccaggt atcgagcatg gtacatagcg 110700

cggggcccgc gctaaagccc aagtcgtcga ggagacggtt aaagagggcg gcgggggga 110760

cgggcatggg cggggagggc atgagctggg cctggctcag gcgccccgtt gcgtacagcg 110820

gaggggccgc cggggtgttt ttgggacccc cggccgggcg gggggtggt ggcgaagcgc 110880

cgtccgcgtc catgtcggca aacagctcgt cgaccaagag gtccattggg tggggttgat 110940

acgggaaaga cgatatcggg cttttgatgc gatcgtcccc gcccgcccag agagtgtggg 111000

acgcccgacg gcgcgggaag agaaaaaccc ccaaacgcgt tagaggaccg gacggacctt 111060

atgggggga gtgggcagcg ggaaccccgt ccgttcccga ggaatgacag cccgtggtcg 111120

ccaccccgca tttaagcaac ccgcacgggc cgccccgtac ctcgtgactt ccccccacat 111180

tggctcctgt cacgtgaagg cgaaccgagg gcggctgtcc aacccacccc ccgccaccca 111240

gtcacggtcc ccgtcggatt gggaaacaaa ggcacgcaac gccaacaccg aatgaacccc 111300

tgttggtgct ttattgtctg ggtacggaag tttttcactc gacgggccgt ctggggcgag 111360

aagcggagcg ggctggggct cgaggtcgct cggtggggcg cgacgccgca gaacgccctc 111420

gagtcgccgt ggccgcgtcg acgtcctgca ccacgtctgg attcaccaac tcgttggcgc 111480

gctgaagcag gtttttgccc tcgcagaccg tcacgcggat ggtggtgatg ccaaggagtt 111540

cgttgaggtc ttcgtctgtg cgcggacgcg acatgtccca gagctggacc gccgccatcc 111600

gggcatgcat ggccgccagg cgcccgaccg cggcgcagaa gacgcgcttg ttaaagccgg 111660

ccacccgggg ggtccatggc gcgtcggggt ttgggggggc ggtgctaaag tgcagctttc 111720

tggccagccc ctgcgcgggt gtcttggatc gggttggcgc cgtcgacgcg ggggcgtctg 111780

ggagtgcggc ggattctggc tgggccgatt tcctgccgcg ggtggtctcc gccgccgggg 111840

ccgcgggggc cttagtcgcc acccgctggg ttcgggggggc ccgggggggcg gtggtgggtg 111900

tgcgtccggc ccctccggac ccagcgggcg gcggaggcgc ccgcgcaggc cccgggccgg 111960

acaaaaccgc cccggaaacg ggacgccgcg tccgggggac ctccgggtgt tcgtcgtctt 112020

cggatgacga gcccccgtag agggcataat ccgactcgtc gtactggacg aaacggacct 112080

cgcccctcgg gcgcgcgcgt gtctgtaggg cgccacggcg ggaggtggca ggcggactat 112140

cgggactcgc catacatgaa gacggggtgt agtacagatc ctcgtactca tcgcgcggaa 112200

cctcccgcgg acccgacttc acggagcggc gagaggtcat ggttccacga acacgctagg 112260

gtcggatgcg cggacaatta ggcctgggtt cggacggcgg ggggtggtgc aggtgtggag 112320

aggtcgagcg ataggggcgg cccgggagag aagagagggt ccgcaaaacc cactggggat 112380

gcgtgagtgg ccctctgtgg gcggtggggg agagtcttat aggaagtgca tataaccaca 112440

acccatgggt ctaaccaatc cccaggggcc aagaaacaga cacgccccaa acggtctcgg 112500

tttccgcgaa gaaggggaag tcctgggaca ccctccaccc ccacccctca ccccacacag 112560

ggcgggttca ggcgtgcccg gcagccagta gcctctggca gatctgacag acgtgtgcga 112620

taatacacac gcccatcgag gccatgccta cataaaaggg caccagggcc cccggggcag 112680

acatttggcc agcgttttgg gtctcgcacc gcgcgccccc gatcccatcg cgcccgccct 112740

cctcgccggg cggctccccg tgcgggcccg cgtctcccgc cgctaaggcg acgagcaaga 112800

caaacaacag gcccgcccga cagacccttc tgggggggcc catcgtccct aacaggaaga 112860

tgagtcagtg gggatccggg gcgatccttg tccagccgga cagcttgggt cgggggtacg 112920

atggcgactg gcacacggcc gtcgctactc gcgggggcgg agtcgtgcaa ctgaacctgg 112980

tcaacaggcg cgcggtggct tttatgccga aggtcagcgg ggactccgga tgggccgtcg 113040

ggcgcgtctc tctggacctg cgaatggcta tgccggctga cttttgtgcg attattcacg 113100

cccccgcgct atccagccca gggcaccacg taatactggg tcttatcgac tcggggtacc 113160

gcggaaccgt tatggccgtg gtcgtagcgc ctaaaaggac gcgggaattt gcccccggga 113220

ccctgcgggt cgacgtgacg ttcctggaca tcctggcgcc ccccccggcc ctcaccaagc 113280

cgatttccct gcggcagttc ccgcaactgg cgcccccccc tccaaccggg gccgggatac 113340

gcgcagatcc ttggttggag ggggcgctcg gggacccaag cgtgactccg gccctaccgg 113400

cgcgacgccg agggcggtcc ctcgtctatg ccggcgagct gacgccggtt cagacggaac 113460

acggggacgg cgtacgagaa gccatcgcct tccttccaaa acgcgaggag gatgccggtt 113520

tcgacattgt cgtccgtcgc ccggtcaccg tcccggcaaa cggcaccacg gtcgtgcagc 113580

catccctccg catgctccac gcggacgccg ggcccgcggc ctgttatgtg ttggggcggt 113640

cgtcgctcaa cgcccgcggc ctcctggtcg ttcctacgcg ctggctcccc gggcacgtat 113700

gtgcgtttgt tgtttacaac cttacggggg ttcctgtgac cctcgaggcc ggcgccaagg 113760

tcgcccagct cctggttgcg ggggcggacg ctcttccttg gatccccccg gacaactttc 113820

acgggaccaa agcgcttcga aactacccca ggggtgttcc ggactcaacc gccgaaccca 113880

ggaacccgcc gctcttggtg tttacgaacg agtttgacgc ggaggccccc ccgagcgagc 113940

gcgggaccgg gggttttggc tctaccggta tttagcccat agcttggggt tcgttccggg 114000

caataaaaaa cgtttgtatc tcatctttcc tgtgtgtagt tgtttctgtt ggaggcctgt 114060

gggtctatca cacccgcccc tccatcccac aaacacagaa cacacgggtt ggatgaaaac 114120

acgcatttat tgacccaaaa cacacggagc tgctcgagat gggccagggc gaggtgcggt 114180

tggggaggct gtaggtctgg gaacggacac gcggggacac gattccggtt tggggtccgg 114240

gagggcgtcg ccgtttcggg cggcaggcgc cagcgtaacc tccgggggcg gcgtgtgggg 114300

gtgccccaag gagggcgcct cggtcacccc aagccccccc aagcgggttc ccccggcaac 114360

cccgaaggcg gagaggccaa gggcccgttc ggcgatggcc acatcctcca tgaccacgtc 114420

gctctcggcc atgctccgaa tagcctggga gacgagcaca tccgcggact tgtcagccgc 114480

ccccacggac atgtacatct gcaggatggt ggccatacac gtgtccgcca ggcgccgcat 114540

cttgtcctga tgggccgcca cggccccgtc gatcgtgggg gcctcgagcc cggggtggtg 114600

gcgcgccagt cgttctaggt tcaccatgca ggcgtggtac gtgcgggcca aggcgcgggc 114660

cttcacgagg cgtcgggtgt cgtccaggga ccccagggcg tcatcgagcg tgatgggggc 114720

gggaagtagc gcgttaacga ccaccagggc ctcctgcagc cgcggctccg cctccgaggg 114780

cggaacggcc gcgcggatca tctcatattg ttcctcgggg cgcgctcccc agccacatat 114840

agccccgaga agagaagcca tcgcgggcgg gtactggccc ttgggcgcgc ggacgcaatg 114900

gggcaggaag acgggaaccg cggggagagg cgggcggccg ggactcccgt ggaggtgacc 114960

gcgctttatg ctaccgacgg gtgcgttatt acctcttcga tcgccctcct cacaaactct 115020

ctactggggg ccgagccggt ttatatattc agctacgacg catacacgca cgatggccgt 115080

gccgacgggc ccacggagca agacaggttc gaagagagtc gggcgctcta ccaagcgtcg 115140

ggcgggctaa atggcgactc cttccgagta acctttttgtt tattggggac ggaagtgggt 115200

gggacccacc aggcccgcgg gcgaacccga cccatgttcg tctgtcgctt cgagcgagcg 115260

gacgacgtcg ccgcgctaca ggacgccctg gcgcacggga ccccgctaca accggaccac 115320

atcgccgcca ccctggacgc ggaggccacg ttcgcgctgc atgcgaacat gatcctggct 115380

ctcaccgtgg ccatcaacaa cgccagcccc cgcaccggac gcgacgccgc cgcggcgcag 115440

tatgatcagg gcgcgtccct acgctcgctc gtggggcgca cgtccctggg acaacgcggc 115500

cttaccacgc tatacgtcca ccacgaggcg cgcgtgctgg ccgcgtaccg cagggcgtat 115560

tatggaagcg cgcagagtcc cttctggttt cttagcaaat tcgggccgga cgaaaaaagc 115620

ctggtgctca ccactcggta ctacctgctt caggcccagc gtctgggggg cgcgggggcc 115680

acgtacgacc tgcaggccat caaggacatc tgcgccacct acgcgattcc ccacgccccc 115740

cgccccgaca ccgtcagcgc cgcgtccctg acctcgtttg ccgccatcac gcggttctgt 115800

tgcacgagcc agtacgcccg cggggccgcg gcggccgggt ttccgcttta cgtggagcgc 115860

cgtattgcgg ccgacgtccg cgagaccagt gcgctggaga agttcataac ccacgatcgc 115920

agttgcctgc gcgtgtccga ccgtgaattc attacgtaca tttacctggc ccattttgag 115980

tgtttcagcc ccccgcgcct agccacgcat cttcgggccg tgacgaccca cgaccccaac 116040

cccgcggcca acacggagca gccctcgccc ctgggcaggg aggccgtgga acaatttttt 116100

tgccacgtgc gcgcccaact gaatatcggg gagtacgtca aacacaacgt gacccccggg 116160

gagaccgtcc tggatggcga tacggccaag gcctacctgc gcgctcgcac gtacgcgccc 116220

ggggccctga cgcccgcccc cgcgtattgc ggggccgtgg actccgccac caaaatgatg 116280

gggcgtttgg cggacgccga aaagctcctg gtcccccgcg ggtggcccgc gtttgcgccc 116340

gccagtcccg gggaggatac ggcgggcggc acgccgcccc cacagacctg cggaatcgtc 116400

aagcgcctcc tgagactggc cgccacggaa caacaggaca ccacgccccc ggcgatcgcg 116460

gcgcttatcc gtaatgcggc ggtgcagact cccctgcccg tctaccggat atccatggtc 116520

cccacgggac aggcatttgc cgcgctggcc tgggacgact gggcccgcat aacgcgggac 116580

gctcgcctgg ccgaagcggt cgtgtccgcc gaagcggcgg cgcaccccga ccacggcgcg 116640

ctgggcaggc ggctcacgga tcgcatccgc gcccagggcc ccgtgatgcc ccctggcggc 116700

ctggatgccg gggggcagat gtacgtgaat cgcaacgaga tattcaacgg cgcgctggca 116760

atcacaaaca tcatcctgga tctcgacatc gccctgaagg agcccgtccc ctttcgccgg 116820

ctccacgagg ccctgggcca ctttaggcgc ggggctctgg ctgcggttca gctcctgttt 116880

cccgcggccc gcgtggaccc cgacgcatat ccctgttatt ttttcaaaag cgcatgtcgg 116940

cccggcccgg cgtccgtggg ttccggcagc ggactcggcg acgacgggga ctggtttccc 117000

tgctacgacg acgccggtga tgaggagtgg gcggaggacc cgggcgccat ggacacatcc 117060

cacgatcccc cggacgacga ggttgcctac tttgacctgt gccacgaagt cggccccacg 117120

gcggaacctc gcgaaacgga ttcgcccgtg tgttcctgca ccgacaagat cggactgcgg 117180

gtgtgcatgc ccgtccccgc cccgtacgtc gtccacggtt ctctaacgat gcgggggggtg 117240

gcacgggtca tccagcaggc ggtgctgttg gaccgagatt ttgtggaggc catcgggagc 117300

tacgtaaaaa acttcctgtt gatcgatacg ggggtgtacg cccacggcca cagcctgcgc 117360

ttgccgtatt ttgccaaaat cgcccccgac gggcctgcgt gcggaaggct gctgccagtg 117420

tttgtgatcc cccccgcctg caaagacgtt ccggcgtttg tcgccgcgca cgccgacccg 117480

cggcgcttcc attttcacgc cccgcccacc tatctcgctt ccccccggga gatccgtgtc 117540

ctgcacagcc tgggtgggga ctatgtgagc ttctttgaaa ggaaggcgtc ccgcaacgcg 117600

ctggaacact ttgggcgacg cgagaccctg acggaggtcc tgggtcggta caacgtacag 117660

ccggatgcgg gggggaccgt cgaggggttc gcatcggaac tgctggggcg gatagtcgcg 117720

tgcatcgaaa cccactttcc cgaacacgcc ggcgaatatc aggccgtatc cgtccggcgg 117780

gccgtcagta aggacgactg ggtcctccta cagctagtcc ccgttcgcgg taccctgcag 117840

caaagcctgt cgtgtctgcg ctttaagcac ggccgggcga gtcgcgccac ggcgcggaca 117900

ttcgtcgcgc tgagcgtcgg ggccaacaac cgcctgtgcg tgtccttgtg tcagcagtgc 117960

tttgccgcca aatgcgacag caaccgcctg cacacgctgt ttaccattga cgccggtacg 118020

ccatgctcgc cgtccgttcc ctgcagcacc tctcaaccgt cgtcttgata acggcgtacg 118080

gcctcgtgct cgtgtggtac accgtcttcg gtgccagtcc gctgcaccga tgtatttacg 118140

cggtacgccc caccggcacc aacaacgaca ccgccctcgt gtggatgaaa atgaaccaga 118200

ccctattgtt tctgggggcc ccgacgcacc cccccaacgg gggctggcgc aaccacgccc 118260

atatctgcta cgccaatctt atcgcgggta gggtcgtgcc cttccaggtc ccacccgacg 118320

ccatgaatcg tcggatcatg aacgtccacg aggcagttaa ctgtctggag accctatggt 118380

acacacgggt gcgtctggtg gtcgtagggt ggttcctgta tctggcgttc gtcgccctcc 118440

accaacgccg atgtatgttt ggtgtcgtga gtcccgccca caagatggtg gccccggcca 118500

cctacctctt gaactacgca ggccgcatcg tatcgagcgt gttcctgcag tacccctaca 118560

cgaaaattac ccgcctgctc tgcgagctgt cggtccagcg gcaaaacctg gttcagttgt 118620

ttgagacgga cccggtcacc ttcttgtacc accgccccgc catcggggtc atcgtaggct 118680

gcgagttgat gctacgcttt gtggccgtgg gtctcatcgt cggcaccgct ttcatatccc 118740

gggggggcatg tgcaatcaca taccccctgt ttctgaccat caccacctgg tgttttgtct 118800

ccaccatcgg cctgacagag ctgtattgta ttctgcggcg gggcccggcc cccaagaacg 118860

cagacaaggc cgccgccccg gggcgatcca aggggctgtc gggcgtctgc gggcgctgct 118920

gttccatcat cctctcgggc atcgcagtgc gattgtgtta tatcgccgtg gtggccgggg 118980

tggtgctcgt ggcgcttcac tacgagcagg agatccagag gcgcctgttt gatgtatgac 119040

gtcacatcca ggccggcgga aaccggaacg gcatatgcaa attggaaact gtcctgtctt 119100

ggggcccacc cacccgacgc gtcatatgca aatgaaaatc ggtcccccga ggccacgtgt 119160

agcctggatc ccaacgaccc cgcccatggg tcccaattgg ccgtcccgtt accaagacca 119220

acccagccag catatccacc cccgcccggg tccccgcgga agcggaacgg tgtatgtgat 119280

atgctaatta aatacatgcc acgtacttat ggtgtctgat tggtccttgt ctgtgccgga 119340

ggtggggcgg gggccccgcc cgggggggcgg aacgaggagg ggtttgggag agccggcccc 119400

ggcaccacgg gtataaggac atccaccacc cggccggtgg tggtgtgcag ccgtgttcca 119460

accacggtca cgcttcggtg cctctccccg attcgggccc ggtcgctcgc taccggtgcg 119520

ccaccaccag aggccatatc cgacacccca gccccgacgg cagccgacag cccggtcatg 119580

gcgactgaca ttgatatgct aattgacctc ggcctggacc tctccgacag cgatctggac 119640

gaggacccac ccgagccggc ggagagccgc cgcgacgacc tggaatcgga cagcagcggg 119700

gagtgttcct cgtcggacga ggacatggaa gacccccacg gagaggacgg accggagccg 119760

atactcgacg ccgctcgccc ggcggtccgc ccgtctcgtc cagaagaccc cggcgtaccc 119820

agcacccaga cgcctcgtcc gacggagcgg cagggcccca acgatcctca accagcgccc 119880

cacagtgtgt ggtcgcgcct cggggcccgg cgaccgtctt gctcccccga gcagcacggg 119940

ggcaaggtgg cccgcctcca acccccaccg accaaagccc agcctgcccg cggcggacgc 120000

cgcgggcgtc gcaggggtcg gggtcgcggt ggtcccgggg ccgccgatgg tttgtcggac 120060

ccccgccggc gtgcccccag aaccaatcgc aacccggggg gaccccgccc cggggcgggg 120120

tggacggacg gccccggcgc cccccatggc gaggcgtggc gcggaagtga gcagcccgac 120180

ccacccggag gcccgcggac acggggcgtg cgccaagcac ccccccccgct aatgacgctg 120240

gcgattgccc ccccgcccgc ggacccccgc gccccggccc cggagcgaaa ggcgcccgcc 120300

gccgacacca tcgacgccac cacgcggttg gtcctgcgct ccatctccga gcgcgcggcg 120360

gtcgaccgca tcagcgagag ctttggccgc agcgcacagg tcatgcacga ccccttgggg 120420

gggcagccgt ttcccgccgc gaatagcccc tgggccccgg tgttggcggg ccaaggaggg 120480

ccctttgacg ccgagaccag acgggtctcc tgggaaacct tggtcgccca cggcccgagc 120540

ctctatcgca cttttgccgg caatcctcgg gccgcatcga ccgccaaggc catgcgcgac 120600

tgcgtgctgc gccaagaaaa tttcatcgag gcgctggcct ccgccgacga gacgctggcg 120660

tggtgcaaga tgtgcatcca ccacaacctg ccgctgcgcc cccaggaccc cattatcggg 120720

acggccgcgg ctgtgctgga taacctcgcc acgcgcctgc ggccctttct ccagtgctac 120780

ctgaaggcgc gaggcctgtg cggcctggac gaactgtgtt cgcggcggcg tctggcggac 120840

attaaggaca ttgcatcctt cgtgtttgtc attctggcca ggctcgccaa ccgcgtcgag 120900

cgtggcgtcg cggagatcga ctacgcgacc cttggtgtcg gggtcggaga gaagatgcat 120960

ttctacctcc ccggggcctg catggcgggc ctgatcgaaa tcctagacac acaccgccag 121020

gagtgttcga gtcgtgtctg cgagttgacg gccagtcaca tcgtcgcccc cccgtacgtg 121080

cacggcaaat atttttattg caactccctg ttttaggtac aataaaaaca aaacatttca 121140

aacaaatcgc cccacgtgtt gtccttcttt gctcatggcc ggcggggcgt gggtcacggc 121200

agatggcggg ggtgggcccg gcgtacggcc tgggtgggcg gagggaacta acccaacgta 121260

taaatccgtc cccgctccaa ggccggtgtc atagtgccct taggagcttc ccgcccgggc 121320

gcatcccccc ttttgcacta tgacagcgac ccccctcacc aacctgttct tacgggcccc 121380

ggacataacc cacgtggccc ccccttactg cctcaacgcc acctggcagg ccgaaacggc 121440

catgcacacc agcaaaacgg actccgcttg cgtggccgtg cggagttacc tggtccgcgc 121500

ctcctgtgag accagcggca caatccactg ctttttcttt gcggtataca aggacaccca 121560

ccacacccct ccgctgatta ccgagctccg caactttgcg gacctggtta accacccgcc 121620

ggtcctacgc gaactggagg ataagcgcgg ggtgcggctg cggtgtgcgc ggccgtttag 121680

cgtcgggacg attaaggacg tctctgggtc cggcgcgtcc tcggcgggag agtacacgat 121740

aaacgggatc gtgtaccact gccactgtcg gtatccgttc tcaaaaacat gctggatggg 121800

ggcctccgcg gccctacagc acctgcgctc catcagctcc agcggcatgg ccgcccgcgc 121860

ggcagagcat cgacgcgtca agattaaaat taaggcgtga tctccaaccc ccccatgaat 121920

gtgtgtaacc ccccaaaaaa ataaacagcc gtaacccaat caaaccaggc gtggtgtgag 121980

tttgtggacc caaagccctc agagacaacg cgacaggcca gtatggaccg tgatactttt 122040

atttattaac tcacaggggc gcttaccgcc acaggaatac cagaataatg accaccacta 122100

tcgcgaccac cccaaataca gcatggcgcc ccaccacgcc acaacagccc tgtcgccggt 122160

atggggcatg atcagacgag ccgcgagccg cgcgttgggc cctgtacagc tcgcgcgaat 122220

tgaccctagg aggccgccac gcgcccgagt tttgcgttcg tcgctggtcg tcgggcgcca 122280

aagccccgga cggctgttcg gtcgaacgaa cggccacgac agtggcatag gttggggggt 122340

ggtccgacat agcctcggcg tacgtcggga ggcccgacaa gaggtccctt gagatgtcgg 122400

gtggggccac aagcctggtt tccggaagaa acaggggggt tgccaataac ccgccagggc 122460

caaaactccg gcgctgcgca cgtcgttcgg cgcggcgccg ggcgcgccga gcggctcgct 122520

gggcggcttg gcgtgagcgg ccccgctccg acgcctcgcc ctctccggag gaggttggcg 122580

gaattggcac ggacgacagg ggcccagcag agtacggtgg aggtgggtcc gtgggggtgt 122640

ccagatcaat aacgacaaac ggcccctcgt tcctaccaga caagctatcg taggggggcg 122700

ggggatcagc aaacgcgttc cccgcgctcc atagacccgc gtcgggttgc gccgcctccg 122760

aagccatgga tgcgccccaa agccacgact cccgcgcgct aggtccttgg ggtaagggaa 122820

aaggccctac tccccatcca agccagccaa gttaacgggc tacgccttcg gggatgggac 122880

tggcaccccg gcggattttg ttgggctggt acgcgttgcc caaccgaggg ccgcgtccac 122940

gggacgcgcc ttttataacc ccgggggtca ttcccaacga tcacatgcaa tctaactggc 123000

tcccctctcc ccccctctcc cctctccccc cctctcccct ctccccccct ctcccctctc 123060

ccccctctc ccctctcccc ccctctcccc tctccccccc tctcccctct ccccccctct 123120

cccctctccc cccctctccc ctctcccccc ctctcccctc tccccccctc tcccctctcc 123180

cccctgctc tttccccgtg acacccgacg ctgggggggcg tggctgccgg gaggggccgc 123240

ggatgggcgg ggcctactcg gtctcccgcc cccgcccccg aaccgccccg ccggccttgc 123300

ccccctttga tcccctgcta cccccaaccc gtgctcgtgg tgcgggttgg gtgggggggg 123360

ggagtgtggg cgggggtgtg cgggaggtgt cggtggtggt ggtggtggta ggaatggtgg 123420

tgagggggggg gggcgctggt tggtcaaaaa agggagggac gggggccggc agaccgacgg 123480

cgacaacgct ccccggcggc cgggtcgcgg ctcttacgag cggcccggcc cgcgctccca 123540

ccccccgggc cgtgtccttg ctttcccccc gtctcccccc ccctccttct cctcctcctc 123600

ctcctcgttt ttccaaaccc cgcccacccg gcccggcccg gcccggccac cgccgcccac 123660

ccacccacct cgggagaccc agccccggtc ccccgttccc cgggggccgt tatctccagc 123720

gccccgtccg gcgcgccgcc ccccgccgct aaaccccatc ccgcccccgg gaccccacat 123780

ataagccccc agccacacgc aagaacagac acgcagaacg gctgtgttta tttaaataaa 123840

ccgatgtcgg aataaacaaa cacaaacacc cgcgacgggg ggacggaggg agggggtga 123900

cgggggacgg gaacagccac aaaaaacacc cacaaaaaaa aacagccacc cccgacaccc 123960

ccccccaccc ccagtctctt cgccttttcc cccccacccc acgcccccac tgagcccggt 124020

cgatcgacga gcacccccgc ccccgccccct gccccggcga cccccggccc gcacgatccc 124080

gacaacaata acaaccccaa cggaaagcgg cggggtgtgg gggggggcga ggaacaaccg 124140

aggggaacgg gggatggaag gacgggaagt ggaagtcctg atacccatcc tacacccccc 124200

tgccttccac cctccggccc cccgcgagtc cacccgccgg ccggctaccg agaccgaaca 124260

cggcggccgc cgcagccgcc gcagccgccg ccgacaccgc agagccggcg cgcgcacaca 124320

caagcggcag aggcagaaag gcccagagtc attgtttatg tggccgcggg ccagcagacg 124380

gcccgcgaca ccccccccc cgcccgtgtg ggtatccggc cccccgcccc gcgccggtcc 124440

attaagggcg cgcgtgcccg cgagatatca atccgttaag tgctctgcag acaggggcac 124500

cgcgcccgga aatccattag gccgcagacg aggaaaataa aattacatca cctacccacg 124560

tggtgctgtg gcctgttttt gctgcgtcat ctgagccttt ataaaagcgg gggcgcggcc 124620

gtgccgatcg cgggtggtgc gaaagacttt ccgggcgcgt ccgggtgccg cggctctccg 124680

ggcccccctg cagccggggc ggccaagggg cgtcggcgac atcctccccc taagcgccgg 124740

ccggccgctg gtctgttttt tgttttcccc gtttcggggg tggggggggt tgcggtttct 124800

gtttctttaa cccgtctggg gtgtttttcg ttccgtcgcc ggaatgtttc gttcgtctgt 124860

cccctcacgg ggcgaaggcc gcgtacggcc cgggacgagg gggcccccga ccgcggcggt 124920

ccgggccccg tccgggcccg ctcgccggca cgcgacgcga aaaaggcccc ccggaggctt 124980

ttccgggttc ccggcccggg gcctgagata aacaatcggg gttaccgcca acggccggcc 125040

cccgtggcgg cccggcccgg ggccccggcg gacccaaggg gccccggccc ggggccccac 125100

aacggcccgg cgcatgcgct gtggtttttt tttctcggtg ttttgtcggg ctccgtcgcc 125160

tttcctgttc tcgcttctcc ccccccccc ttcttcaccc ccagtaccct cctccctccc 125220

ttcctccccc gttatcccac tcgtcaaggg cgccccggtg tggttcaaca aagacgccgc 125280

gtttccaggt aggttagaca cctgcttctc cccaatagag gggggggacc caaacgacag 125340

ggggcgcccc agaggctaag gtcggccacg ccactcgcgg gtgggctcgt gttacagcac 125400

accagcccgt tcttttcccc ccctcccacc cttagtcaga ctctgttact tacccgtccg 125460

accaccaact gcccccttat ctaagggccg gctggaagac cgccaggggg tcggccggtg 125520

tcgctgtaac cccccacgcc aatgacccac gtactccaag aaggcatgtg tcccaccccg 125580

cctgtgtttt tgtgcctggc tctctatgct tgggtcttac tgccgggggg gggggagtgc 125640

gggggagggg gggtgtggaa ggaaatgcac ggcgcgtgtg tacccccccc aaagttgttc 125700

ctaaagcgag gatatggagg agtggcgggt gccgggggac cggggtgatc tctggcacgc 125760

gggggtggga agggtcgggg gagggggggat ggggtaccgg cccacctggc cgacgcgggt 125820

gcgcgtgcct ctgcacacca accccacgtc ccccggcggt ctctaagaag caccgccccc 125880

cctccttcat accaccgagc atgcctgggt gtgggttggt aaccaacacg cccatcccct 125940

cgtctcctgt gattctctgg ctgcaccgca ttcttgtttt ctaactatgt tcctgtttct 126000

gtctcccccc ccacccctcc gccccacccc ccaacaccca cgtctgtggt gtggccgacc 126060

ccctttgggg cgccccgtcc cgccccgcca cccctcccgt cctttgttgc cctatagtgt 126120

agttaacccc cccccgccct ttgtggcggc cagaggccag gtcagtccgg gcgggcaggc 126180

gctcgcggaa acttaacacc cacacccaac ccactgtggt tctggctcca tgccagtggc 126240

aggatgcttt cggggatcgg tggtcaggca gcccgggccg cggctctgtg gttaacacca 126300

gagcctgccc aacatggcac ccccactccc acgcaccccc actcccacgc acccccactc 126360

ccacgcaccc ccactcccac gcacccccac tcccacgcac ccccactccc acgcaccccc 126420

actcccacgc acccccactc ccacgcaccc ccactcccac gcacccccga gatccatcca 126480

acacagacag ggaaaagata caaaagtaaa cctttatttc ccaatagaca gcaaaaatcc 126540

cctgagtttt ttattagggc caacactaaa gacccgctgg tgtgtggtgc ccgtgtcttt 126600

cacttttccc ctccccgaca cggattggct ggtgtagtgg gcgcggccag agaccaccca 126660

gcgcccgacc ccccccctccc cacaaacacg gggggcgtcc cttattgttt tccctcgtcc 126720

cgggtcgacg ccccctgctc cccggaccac gggtgccgag accgcaggct gcggaagtcc 126780

agggcgccca ctagggtgcc ctggtcgaac agcatgttcc ccacgggggt catccagagg 126840

ctgttccact ccgacgcggg ggccgtcggg tactcggggg gcatcacgtg gttacccgcg 126900

gtctcgggga gcagggtgcg gcggctccag ccggggaccg cggcccgcag ccgggtcgcc 126960

atgtttcccg tctggtccac caggaccacg tacgccccga tgttccccgt ctccatgtcc 127020

aggatgggca ggcagtcccc cgtgatcgtc ttgttcacgt aaggcgacag ggcgaccacg 127080

ctagagaccc ccgagatggg caggtagcgc gtgaggccgc ccgcgggggc ggccccggaa 127140

gtctccgcgt ggcgcgtctt ccgggcacac ttcctcggcc cccgcggccc agaagcagcg 127200

cgggggccga gggaggtttc ctcttgtctc cctcccaggg caccgacggc cccgcccgag 127260

gaggcggaag cggaggagga cgcggccccg gcggcggaag aggcggcccc cgcgggagtc 127320

ggggccgagg aggaagaggc agaggaggaa gaggcggagg ccgccgagga cgtcaggggg 127380

gtcccgggcc caccctggcc gcgccccccc ggccctgagt cggagggggg gtgcgtcgcc 127440

gccctcttgg cccctgccgg cgcgaggggg ggacgcgtgg actgggggga ggggttttcc 127500

tggcccgacc cgcgcctctt cctcggacgc accgccgcct cctgctcgac agaggcggcg 127560

gaggggagcg ggggggcgcc ggaggggggcg gcgccgcggg agggcccgtg tccaccctcc 127620

acgcccggcc cccccgagcc gcgcgccacc gtcgcacgcg cccggcacag actctgttct 127680

tggttcgcgg cctgagccag ggacgagtgc gactggggca cacggcgcgc gtccgcgggg 127740

gccggggcgc gggggccggg ccccggaggc ggcgctcgca cgcacggggc cacggccgcg 127800

cgggggcgcg cgggtcccga cgcggccgag gacgcggtgg gcccggggcg gggggcggag 127860

cctggcatgg gcgccgcggg gggcctgtgg ggagaggccg ggggggagtc gctgatcact 127920

atggggtctc tgttgtttgc aaggggggcg ggtctgttga caaggggggcc cgtccggccc 127980

ctcggccgcc ccgcctccgc ttcaacaacc ccaaccccaa ccccaacccc cccggagggg 128040

ccagacgccc cccgcggcgc cgcggctcgc gactggcggg agccgccgcc gccgccgctg 128100

ctgttggtgg tggtgttggt gttactgctg ccgtgtggcc cgatgggcgc cgaggggggc 128160

gctgtccgag ccgcggccgg ctgggggggct gcgtgagacg ccccgcccgt cacgggggggc 128220

gcggcggcgc ctctgcgtgg gggggcgcgg ggcgtccggc gggggggcggg cggtacgtag 128280

tctgctgcaa gagacaacgg ggggcgcgat caggttacgc cccctcccag gccctccctt 128340

tccgcgcccg ccctttcctc gccccccccgc ccgcctattc ctccctcccc cctcctcctc 128400

ctcctccccc agggtcctcg ccgcccccccc gcctcaccgt cgtccaggtc gtcgtcatcc 128460

tcgtccgtgg tgggctcagg gtgggtgggc gacagggccc tcaccgtgtg ccccccccagg 128520

gtcaggtacc gcggggcgaa ccgctgattg cccgtccaga taaagtccac ggccgtgccc 128580

gccctgacgg cctcctcggc ctccatgcgg gtctgggggt cgttcacgat cgggatggtg 128640

ctgaacgacc cgctgggcgt cacgcccact atcaggtaca ccagcttggc gttgcacagc 128700

gggcaggtgt tgcgcaattg catccaggtt ttcatgcacg ggatgcagaa gcggtgcatg 128760

cacgggaagg tgtcgcagcg caggtggggc gcgatctcat ccgtgcacac ggcgcacacg 128820

tcgccctcgt cgctcccccc gtcctctcga gggggggcgc ccccgcaact gccggggtct 128880

tcctcgcggg gggggctccc ccccgagacc gccccccccat ccacgccctg cggccccagc 128940

agccccgtct cgaacagttc cgtgtccgtg ctgtccgcct cggaggcgga gtcgtcgtca 129000

tggtggtcgg cgtcccccccg ccccccccact tcggtctccg cctcagagtc gctgctgtcc 129060

ggcaggtctc ggtcgcaggg aaacacccag acatccgggg cgggctaagg ggaaaaaaag 129120

gggggcgggt aagaatgggg ggatttcccg cgtcaatcag cgcccacgag ttccccctct 129180

ccccccccccc gcctcacaaa gtcctgcccc cctgctggcc tcggaagagg ggggagaaag 129240

gggtctgcaa ccaaaggtgg tctgggtccg tcctttggat cccgacccct cttcttccct 129300

cttctcccgc cctccagacg caccggagtc gggggtccca cggcgtcccc caaatatggc 129360

gggcggctcc tccccacccc cctagatgcg tgtgagtaag ggggccctgc gtatgagtca 129420

gtggggacca cgccccctaa cacggcgacc ccggtccctg tgtgtttgtt gtgggggcgt 129480

gtctctgtgt atgagtcagg gggtcccacg gcgaccccgg gccctgcgtc tgagtcaaag 129540

gggccatgtg tatgtgttgg ggggtctgta tatataaagt caggggggtca catggcgacc 129600

cccaacaggg cgaccccggt ccctgtatat atagggtcag ggggttccgc gccccctaac 129660

atggcgcccc cggtccctgt atatatagtg tcacggggtt ccacgccccc taacatggcg 129720

cccggctccc gtgtatgagt gggggtcccc caacatggcg gccggttcca gtgtaagggt 129780

cgggggtccc ccaacatggc gccccccaat atggcgcccc ccaatatggc gccccagaca 129840

tggcgcccgg cccctcacct cgcgctgggg gcggccctca ggccggcggg tactcgctcc 129900

ggggcggggc tccatggggg tcgtatgcgg ttggagggtc gcggacggag ggtccctggg 129960

ggtcgcaacg taggcggggc ttctgtggtg atgcggagag ggggcggccc gagtctgcct 130020

ggctgctgcg tctcgctccg agtgccgagg tgcaaatgcg accagactgt cgggccaggg 130080

ctaacttata ccccacgcct ttcccctccc caaaggggcg gcagtgacga ttcccccaat 130140

ggccgcgcgt cccaggggag gcaggcccac cgcggggcgg ccccgtcccc ggggaccaac 130200

ccggcgcccc caaagaatat cattagcatg cacggcccgg cccccgattt gggggaccaa 130260

cccggtgtcc cccaaagaac cccattagca tgcccctccc accgacgcaa caggggcttg 130320

gcctgcgtcg gtgccccggg gcttcccgcc ttcccgaaga aactcattac catacccgga 130380

accccagggg accaatgcgg gttcattgag cgacccgcgg gccaatgcgc gaggggccgt 130440

gtgttccgcc aaaaaagcaa ttagcataac ccggaacccc aggggagtgg ttacgcgcgg 130500

cgcgggaggc ggggaatacc ggggttgccc attaagggcc gcgggaattg ccggaagcgg 130560

gaagggcggc cggggccgcc cattaatgag tttctaatta ccataccggg aagcggaaca 130620

aggcctcttg caagttttta attaccatac cgggaagtgg gcggcccggc ccattgggcg 130680

gtaactcccg cccaatgggc cgggccccga agactcggcg gacgctggtt ggccgggccc 130740

cgccgcgctg gcggccgccg attggccagt cccgcccccg aggcggcccg ccctgtgagg 130800

gcgggctggc tccaagcgta tatatgcgcg gctcctgcca tcgtctctcc ggatctagag 130860

atctccggaa ttaattcgcc ctatagtgag tcggaattag gagcaatacc cccgatccag 130920

cgtccaacaa gaaccgccac cgccagagcc acctccacct gacccgccgc ctcctagatc 130980

ttcttctgag atgagttttt gttctgaatt cccgatagga atccccactg tgttgacctg 131040

gtccttgagt cccagcaggc tgtaggcaat acgcttctgg tggccaggaa gacgcactcc 131100

gatccttttg atgtcttcgt tggacatctg taccaccttc tcgatggccg tgtagccagc 131160

caccatgaag tgttccgtgt actgttgcat cttgatgctc tccagccact cggacaccgt 131220

acggaagggg actccctccg agccgctggt gctgggcagc cggatggaca ctcggggatc 131280

aaagtcagcc agcgtcttga gggagtcggg ggctcggatg agcttgtcca ggatgctaac 131340

gatgtcggca aacttgggtc ggcgggagcg ctcttgctgc cagcactgca tcatgagctg 131400

gtaaatggct gaagggcagt ccatgggcgt agggagccgg aagccgtcgt tgatggcttt 131460

catgacctcg tggtttgaca gttcccagta gggccgttcg ccataagtca tcacttccca 131520

catgacaatg ccgtagctcc acacatcgct ggctgaggtg aacttgcggt aggaaatggc 131580

ctctggggct gtccatcgaa tagggatctt gccgccactt gtggtgtagg tggcctcggg 131640

gtcatcttcc agcacacgcg acaggccaaa atcggacacc ttgcacacca ggttgctgtt 131700

gacgaggatg ttgcgggcgg ccaggtcccg gtgcacgtag ttcatgttgg ccaggtactt 131760

catgccggat gcgatacccc tcagcatgcc caccaactga agtacactga actcaccatc 131820

cttctcccta aggaacttgt ctagcgctcc attctccatg tactctgtga taatcatcat 131880

gggtttgtat ttagagacca cgccctccag gcggatgata ttgtggtggc taaactggcc 131940

catgatgctg gcctcgctca ggaagtccac ccgctgcttc tcagtgtagc ccgctttcag 132000

tgtcttgatg gccaccggta tctccttctt ccccgaggat gccttcagcg tccctttata 132060

gacctctcca aactctcctg ctccaatgac cttctgcctt gccacacagg atgggtggat 132120

ctcggtggta aacttgagta cagcctggtt ggggtcttcg taagtgtgag gatccacata 132180

ggtcttcagg ggctttagtt gttctgactt ggaaaaacgg acaacttcct ttccctgtgc 132240

cgccgcggcc gccagcgcgc aaccccacag cagcgccagg cagaaaccga ctgcccggag 132300

ctccatggtc gacccgggat ccggtaccac tttgtgcggc cagcttccta ggagatcctc 132360

tagctagagt cggtgtcttc tatggaggtc aaaacagcgt ggatggcgtc tccaggcgat 132420

ctgacggttc actaaaccag ctctgcttat atagagctcg gggagcagaa gcgcgcgaac 132480

agaagcgaga agcgaactga ttggttagtt caaataaggc acagggtcat ttcaggtcct 132540

tggggcaccc tggaaacatc tgatggttct ctagaaactg ctgagggcgg gaccgcatct 132600

ggggaccatc tgttcttggc cctgagcggg gcaggaactg cttaccacag atatcctgtt 132660

tggcccatat tctcctgttc caactgttct tggccctgag cggggcagga actgcttacc 132720

acagatatcc tgtttggccc atattctcct gtttctctgt tcctgacctt gatcctagct 132780

tgccaaacct acaggtgggg tctttcattc ccataggcgg ttacctggga ctgtgcggtt 132840

gggacggcgc ccgtgggccc gggcggccgg gggcggcggg ggccgcgatg gcggcggcgg 132900

cgggccatgg agacagagag cgtgccgggg tggtagagtt tgacaggcaa gcatgtgcgt 132960

gcagaggcga gtagtgcttg cctgtctaac tcgctcgtct cggccgcggg gggcccgggc 133020

tgcgccgccg cgctttaaag ggccgcgcgc gacccccggg gggtgtgttt cgggggggggc 133080

ccgttttccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc tccccccgct 133140

cctccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc tccccccgct 133200

cctccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc tccccccgct 133260

cctccccccg ctcctccccc cgctcctccc cccgctcctc cccccgctcc ccaacgcccg 133320

ccgcgcgcgc gcacgccgcc cggaccgccg cccgcctttt ttgcgcgccg ccccgcccgc 133380

ggggggcccg ggctgccaca ggtgtaacaa caccaacaga acaccaacag cacggcgcac 133440

cggcgactcc ggttcctcat ccacacgtca cacgtcacgt catccaccac acctgcccac 133500

caacacaact cacagcgaca actcaccgcg caacaactcc tgttcctcat ccacacgtca 133560

ccgcgcaccc cccgctcctc cagacgtccc ccagcgcaac acgccgctcc tgtcacacac 133620

caccgcccca gccctcccca gccccagccc tccccagccc cagccctccc cggccccagc 133680

cctccccggc cccagccctc cccggcccca gccctccccg gccccagccc tccccggccc 133740

cagccctccc cggccccagc cctccccggc cgcgtcccgc gctccctcgg gggggttcgg 133800

gcatctctac ctcagtgccg ccaatctcag gtcagagatc caaaccctcc gggggcgccc 133860

gcgcaccacc accgcccctc gccccctccc gcccctcgcc ccctcccgcc cctcgccccc 133920

tcccgcccct cgcccctcc cgcccctcgc cccctcccgc ccctcgcccc ctcccgcccc 133980

tcgccccctc ccgcccctcg ccccctcccg cccctcgccc cctcccgccc ctcgcccccc 134040

cccgcccctc gccccctccc gcccctcgcc ccctcccgcc cctcgccccc tcccgccccc 134100

cgccccctcc cgcccctcgc cccctcccgc ccctcgcccc ctcccgcccc tcgccccctc 134160

ccgcccctcg cccctcccg cccctcgccc cctcccgccc ctcgaaataa acaacgctac 134220

tgcaaaacta aatcaggtcg ttgtcgttta ttgcgtcttc gggtttcgca agcgccccgc 134280

cccgtcccgg cccgttacag caccccgtcc ccctcgaacg cgccgccgtc gtcgtcgtcc 134340

caggcgcctt cccagtccac aacttcccgt cgcgggggcg tggccaagcc cgcctccgcc 134400

cccagcacct ccacggcccc cgccgccgcc agcacggtgc cgctgcggcc cgtggccgag 134460

gcccagcgaa tcccgggcaa cgccggcggc agggcccccg ggccgtcgtc gtcgtcgtcg 134520

ccgccgcgca gcaccagcgg gggggcgtcg tcgtcgggct ccagcagggc gcgggcgcaa 134580

aagtccctcc gcggcccgcg ccaccgggcc gggccggcgc gcaccgcctc gcgccccagc 134640

gccacgtaca cgggccgcag cggcgcgccc aggccccagc gcgcgcaggc gcggtgcgag 134700

tgggcctcct cctcgcagaa gtccggcgcg ccgggcgcca tggcgtcggt ggtccccgag 134760

gccgccgccc ggccgtccag cgccggcagc acggcccggc ggtactcgcg cggggacatg 134820

ggcaccggcg tgtccgggcc gaagcgcgtg cgcacgcggt agcgcacgtt gccgccgcgg 134880

cacaggcgca gcggcggcgc gtcggggtac aggcgcgcgt gcgcggcctc cacgcgcgcg 134940

aagacccccg ggccgaacac gcggcccggg gccagcaccg tgcggcgcag gtcccgcgcc 135000

gccggccagc gcacggcgca ctgcacggcg ggcagcaggt cgcacgccag gtaggcgtgc 135060

tgccgcgaca ccgcgggccc gtcggcgggc cagtcgcagg cgcgcacggt gttgaccacg 135120

atgagccgcc ggtcgccggc gctggcgagc agccccagaa actccacggc cccggcgaag 135180

gccaggtccc gcgtggacag cagcagcacg ccctgcgcgc ccagcgccga cacgtcgggg 135240

gcgccggtcc agttgcccgc ccaggcggcc gtgtccggcc cgcacagccg gttggccagg 135300

gccgccagca ggcaggacag cccgccgcgc tcggcggacc actccggcgg ccccccgag 135360

gccccgccgc cggccaggtc ctcgcccggc agcggcgagt acagcaccac cacgcgcacg 135420

tcctcggggt cggggatctg gcgcatccag gccgccatgc ggcgcagcgg gcccgaggcg 135480

cgcaggggggc caaagaggcg gcccccggcg gccccgtggg ggtgggggtt atcgtcgtcg 135540

tcgccgccgc cgcacgcggc ctgggcggcg gcggcgggcc cggcgcaccg cgcggcgatc 135600

gaggccaggg cccgcgggtc aaacatgagg gccggtcgcc aggggacggg gaacagcggg 135660

tggtccgtga gctcggccac ggcgcgcggg gagcagtagg cctccagggc ggcggccgcg 135720

ggcgccgccg tgtggctggg ccccgggggc tgccgccgcc agccgcccag ggggtcgggg 135780

ccctcggcgg gccggcgcga cagcgccacg gggcgcgggc gggcctgcgc cgcggcggcc 135840

cggggcgccg cgggctgggc gggggcgggc tcgggccccg ggggcgtgga gggggggcgcg 135900

gggaggggggg cgcgggcgtc cgagccgggg gcgtccgcgc cgctcttctt cgtcttcggg 135960

ggtcgcgggc cgccgcctcc gggcggccgg gccgggccgg gactcttgcg cttgcgcccc 136020

tcccgcggcg cggcggaggc ggcggcggcc gccagcgcgt cggcggcgtc cggtgcgctg 136080

gcggccgccg ccagcagggg gcgcaggctc tggttctcaa acagcaggtc cgcggcggcg 136140

gcggccgcgg agctcggcag gcgcgggtcc cgcggcagcg cggggcccag ggccccggcg 136200

accaggctca cggcgcgcac ggcggccacg gcggcctcgc tgccgccggc cacgcgcagg 136260

tccccgcgca ggcgcatgag caccagcgcg tcgcgcacga accgcagctc gcgcagccac 136320

gcgcgcaggc ggggcgcgtc ggcgtgcggc ggcggcgggg aagcggggcc cgcgggtccc 136380

tccggccgcg gggggctggc gggccgggcc ccggccagcc ccgggacggc cgccaggtcg 136440

ccgtcgaagc cctcggccag cgcctccagg atcccgcggc aggcggccag gcactccacg 136500

gccacgcggc cggcctgggc gcggcgcccg gcgtcgtcgt cggcgtcggc gtggcgggcg 136560

gcgtcggggt cgtcgccccc cgcgggggag gcgggcgcgg cggacagccg ccccagggcg 136620

gcgaggatcc ccgcggcgcc gtacccggcg ggcaccgcgc gctcgcccgg tgcggcggcg 136680

gcggcgacga cggcggcggc gacccccctcg tcatctgcgc cggcgccggg gctccccgcg 136740

gcccccgtca gcgccgcgtt ctcgcgcgcc aacaggggcg cgtaggcgcg gcgcaggctg 136800

gtcagcagga agcccttctg cgcgcggtcg tatcggcggc tcatggccac ggcggccgcc 136860

gcgtgcgcca ggccccagcc gaagcggccg gccgccatgg cgtagcccag gtggggcacg 136920

gcccgcgcca cgctgccggt gatgaaggag ctgctgttgc gcgcggcgcc cgagatccgg 136980

aagcaggcct ggtccagcgc cacgtccccg gggaccacgc gcgggttctg gagccacccc 137040

atggcctccg cgtccggggt gtacagcagc cgcgtgatca gggcgtactg ctgcgcggcg 137100

tcgcccagct cgggcgccca cacggccgcc ggggcgcccg aggcctcgaa ccggcgtcgc 137160

gcctcctccg cctcgggcgc cccccagagg cccgggcggc tgtcgcccag gccgccgtac 137220

agcacccgcc ccgggggcgg gggcccggcg ccgggccacg gctccccgct gacgtacccg 137280

tcgcgatagc gcgcgtagaa ggcgccggag gccgcgtcgg cgtccagctc gacccgccgg 137340

ggctgcccgg ccgtgaagcg gcccgtggcg tcgcggccgg ccaccgccgc gcgggcccgg 137400

cggcgctcga tgcggcccgc ggaggccgcg ggggtcctcg ccgccgcccg gggcttgggc 137460

gcggcctcgg agaggggggg tggcccgggc gggggcggcg tccgcccggg ggcttccggc 137520

gccgcgctcg acggaccccg cccgacggcc cgcgcctcgc gtgcgcggtc ggccgcgtcg 137580

ttgccgtcgt cgtcctcgtc ctcgtcggac gacgaggacg aagaggatgc ggacgacgag 137640

gacgaggacc cggagtccga cgaggtcgat gacgccgatg gccgccgccg gccgtgacga 137700

cgtctccgcg gcggctgggc cggcgggcgc ggcgacaggc ggtccgtggg gtccggatac 137760

gcgccgcgta gcggggcctc ccgtgcgcgg ccccgggccg gggcccggtc gccggcggcg 137820

tcggctgcgt cgtcgtactc gtccccgtca tcgtcgtcgg ctcgaaaggc gggggtccgg 137880

ggcggcgagg ccgcggggtc gggcgtcggg atcgtccgga cggcctcctc taccatggag 137940

gccagcaggg ccagctgtcg cggcgagacg gcgtccccgg cgtcctcgcc ggcgtcggtg 138000

cccgccgcgg gggccctccc gtcccgccgg gcgtcgtcga ggtcgtgggg gtggtcgggg 138060

tcgtggtcgg ggtcgtcccc gccctcctcc gtctccgcgc cccacccgag ggccccccgc 138120

tcgtcgcggt ctgggctcgg ggtgggcggc ggcccgtcgg tggggcccgg ggagccgggg 138180

cgctgcttgt tctccgacgc catcgccgat gcggggcgat cctccgggga tacggctgcg 138240

acggcggacg tagcacggta ggtcacctac ggactctcga tggggagggg gcgagaccca 138300

cggaccccga cgacccccgc cgtcgacgcg gaactagcgc ggaccggtcg atgcttgggt 138360

gggaaaaagg acagggacgg ccgatccccc tcccgcgctt cgtccgcgta tcggcgtccc 138420

ggcgcggcga gcgtctgacg gtctgtctct ggcggtcccg cgtcgggtcg tggatccgtg 138480

tcggcagccg cgctccgtgt ggacgatcgg ggcgtcctcg ggctcatata gtcccagggg 138540

ccggcgggaa ggaggagcag cggaggccgc cggcccccg ccccccaggc gggcccgccc 138600

cgaacggaat tccattatgc acgaccccgc cccgacgccg gcacgccggg ggcccgtggc 138660

cgcggcccgt tggtcgaacc cccggccccg cccatccgcg ccatctgcca tgggcggggc 138720

gcgagggcgg gtgggcccgc gccccgcccc gcatggcatc tcattaccgc ccgatccggt 138780

ggtttccgct tccgttccgc atgctaacga ggaacgggcc gggggcgggg cccgggcccc 138840

gacttcccgg ttcggcggta atgagatacg agccccgcgc gcccgttggc cgtccccggg 138900

cccccggtcc cgcccgccgg acgttgggac caacgggacg gcgggcggcc caagggccgc 138960

ccgccttgcc gccccccccat tggccggcgg gcgggaccgc cccaaggggg cggggccgcc 139020

gggtaaaaga agtgagaacg cgaagcgttc gcacttcgtc ccaatatata tatattatta 139080

gggcgaagtg cgagcactgg cgccgtgccc gactccgcgc cggccccggg ggcgggcccg 139140

ggcggcgggg ggcgggtctc tccggcgcac ataaaggccc ggcgcgaccg acgcccgcag 139200

acggcgccgg ccacgaacga cgggagcggc tgcggagcac gcggaccggg agcgggactc 139260

gcagagggcc gtcggagcgg acggcgtcgg catcgcgacg ccccggctcg ggatcgggat 139320

cgcatcggaa agggacacgc ggaaagaccc acccacccca cccacgaaac acaggggacg 139380

caccccgggg gcctccgacg acagaaaccc accggtccgc ctttgtgcac gggtaagcac 139440

cttgggtggg cggaggaggg ggggacgcgg gggcggagga ggggggacgc gggggcggag 139500

gaggggggac gcgggggcgg aggagggggg acgcgggggc ggaggagggg ggacgcgggg 139560

gcggaggagg gggctcaccc gcgttcgtgc cttcccgcag gaggaacgtc ctcgtcgagg 139620

cgaccggcgg cgaccgttgc gtggaccgct tcctgctcgt cgggcggggg gaagccactg 139680

tggtcctccg ggacgttttc tggatggccg acatttcccc aggcgctttt gcgccttgtg 139740

taaaagcgcg gcgtcccgct ctccgatccc cgcccctggg cacgcgcaag cgcaagcgcc 139800

cttcccgccc cctctcatcg gagtctgagg tagaatccga tacagccttg gagtctgagg 139860

tcgaatccga gacagcatcg gattcgaccg agtctgggga ccaggatgaa gccccccgca 139920

tcggtggccg tagggccccc cggaggcttg gggggcggtt ttttctggac atgtcggcgg 139980

aatccaccac ggggacggaa acggatgcgt cggtgtcgga cgaccccgac gacacgtccg 140040

actggtctta tgacgacatt cccccacgac ccaagcgggc ccgggtaaac ctgcggctca 140100

cgagctctcc cgatcggcgg gatggggtta tttttcctaa gatggggcgg gtccggtcta 140160

cccgggaaac gcagccccgg gcccccaccc cgtcggcccc aagcccaaat gcaatgctac 140220

ggcgctcggt gcgccaggcc cagaggcgga gcagcgcacg atggaccccc gacctgggct 140280

acatgcgcca gtgtatcaat cagctgtttc gggtcctgcg ggtcgcccgg gacccccacg 140340

gcagtgccaa ccgcctgcgc cacctgatac gcgactgtta cctgatggga tactgccgag 140400

cccgtctggc cccgcgcacg tggtgccgtt tgctgcaggt gtccggcgga acctggggca 140460

tgcacctgcg caacaccata cgggaggtgg aggctcgatt cgacgccacc gcggaacccg 140520

tgtgcaagct tccttgtttg gagaccagac ggtacggccc ggagtgtgat cttagtaatc 140580

tcgagattca tctcagcgcg acaagcgatg atgaaatctc cgatgccacc gatctggagg 140640

ccgccggttc ggaccacacg ctcgcgtccc agtccgacac ggaggatgcc ccctcccccg 140700

ttacgctgga aaccccagaa ccccgcgggt ccctcgctgt gcgtctggag gatgagtttg 140760

gggagtttga ctggaccccc caggagggct cccagccctg gctgtctgcg gtcgtggccg 140820

ataccagctc cgtggaacgc ccgggcccat ccgattctgg ggcgggtcgc gccgcagaag 140880

accgcaagtg tctggacggc tgccggaaaa tgcgcttctc caccgcctgc ccctatccgt 140940

gcagcgacac gtttctccgg ccgtgagtcc ggtcgccccg acccccttgt atgtccccaa 141000

ataaaagacc aaaatcaaag cgtttgtccc agcgtcttaa tggcgggaag ggcggagaga 141060

aacagaccac gcgtacatgg ggggtgtttg ggggtttatt gacatcgggg ctacagggtg 141120

gtaaccggat agcagatgtg aggaagtctg ggccgttcgc cgcgaacggc gatcagaggg 141180

tccgtttctt gcggaccacg gcccggtgat gtgggttgct cgtctgggat ctcgggcatg 141240

cccatacacg cacaacacgg acgccgcacc ggatgggacg tcgtaagggg gcctggggta 141300

gctgggtggg gtttgtgcag agcaatcagg gaccgcagcc agcgcataca atcgcgctcc 141360

cgtccgtttg tcccgggcag taccacgccg tactggtatt cgtaccggct gagcagggtc 141420

tccagggggt ggttgggggc cgcggggaac ggggtccacg ccacggtcca ctcgggcaaa 141480

aaccgagtcg gcacggccca cggttctccc acccacgcgt ctggggtctt gatggcgata 141540

aatcttaccc cgagccggat tttttgggcg tattcgagaa acggcacaca cagatccgcc 141600

gcgcctacca cccacaagtg gtagaggcga ggggggctgg gttggtctcg gtgcagcagt 141660

cggaagcacg ccacggcgtc cacgacctcg gtgctctcca aggggctgtc ctccgcaaac 141720

aggcccgtgg tggtgtttgg ggggcagcga caggacctag tgcgcacgat cgggcgggtg 141780

ggtttgggta agtccatcag cggctcggcc aaccgtcgaa ggttggccgg acgaacgacg 141840

accggggtac ccaggggttc tgatgccaaa atgcggcact gcctaagcag gaagctccac 141900

agggccgggc ttgcgtcgac ggaagtccgg ggcagggcgt tgttctggtc aaggagggtc 141960

attacgttga cgacaacaac gcccatgttg gtatattaca ggcccgtgtc cgatttgggg 142020

cacttgcaga tttgtaaggc cacgcacggc ggggagacag gccgacgcgg gggctgctct 142080

aaaaatttaa gggccctacg gtccacagac ccgccttccc gggggggccc ttggagcgac 142140

cggcagcgga ggcgtccggg ggaggggagg gtgatttacg gggggtagg tcaggggtg 142200

ggtcgtcaaa ctgccgctcc ttaaaacccc ggggcccgtc gttcggggtg ctcgttggtt 142260

ggcactcacg gtgcggcgaa tggcctgtcg taagttttgt cgcgtttacg ggggacaggg 142320

caggaggaag gaggaggccg tcccgccgga gacaaagccg tcccgggtgt ttcctcatgg 142380

ccccttttat accccagccg aggacgcgtg cctggactcc ccgcccccgg agacccccaa 142440

accttcccac accacaccac ccggcgatgc cgagcgcctg tgtcatctgc aggagatcct 142500

ggcccagatg tacggaaacc aggactaccc catagaggac gaccccagcg cggatgccgc 142560

ggacgatgtc gacgaggacg ccccggacga cgtggcctat ccggaggaat acgcagagga 142620

gctttttctg cccggggacg cgcccggtcc ccttatcggg gccaacgacc acatccctcc 142680

cccgtgtggc gcatctcccc ccggtatacg acgacgcagc cgggatgaga ttggggccac 142740

gggatttacc gcggaagaac tggacgccat ggacagggag gcggctcgag ccatcagccg 142800

cggcggcaag ccccccctcga ccatggccaa gctggtgact ggcatgggct ttacgatcca 142860

cggagcgctc accccaggat cggaggggtg tgtctttgac agcagccacc cagattaccc 142920

ccaacgggta atcgtgaagg cggggtggta cacgagcacg agccacgagg cgcgactgct 142980

gaggcgactg gaccaccccg cgatcctgcc cctcctggac ctgcatgtcg tctccggggt 143040

cacgtgtctg gtcctcccca agtaccaggc cgacctgtat acctatctga gtaggcgcct 143100

gaacccgctg ggacgcccgc agatcgcagc ggtctcccgg cagctcctaa gcgccgttga 143160

ctacattcac cgccagggca ttatccaccg cgacattaag accgaaaata tttttattaa 143220

caccccgag gacatttgcc tgggggactt tggtgccgcg tgcttcgtgc agggttcccg 143280

atcaagcccc ttcccctacg gaatcgccgg aaccatcgac accaacgccc ccgaggtcct 143340

ggccggggat ccgtatacca ccaccgtcga catttggagc gccggtctgg tgatcttcga 143400

gactgccgtc cacaacgcgt ccttgttctc ggcccccgc ggccccaaaa ggggcccgtg 143460

cgacagtcag atcacccgca tcatccgaca ggcccaggtc cacgttgacg agttttcccc 143520

gcatccagaa tcgcgcctca cctcgcgcta ccgctcccgc gcggccggga acaatcgccc 143580

gccgtacacc cgaccggcct ggacccgcta ctacaagatg gacatagacg tcgaatatct 143640

ggtttgcaaa gccctcacct tcgacggcgc gcttcgcccc agcgccgcag agctgctttg 143700

tttgccgctg tttcaacaga aatgaccgcc cccaggggggc ggtgctgttt gcgggttggc 143760

acaaaaagac cccgacccgc gtctgtggtg tttttggcat catgtcgccg ggcgccatgc 143820

gtgccgttgt tcccattatc ccattccttt tggttcttgt cggtgtatcg ggggttccca 143880

ccaacgtctc ctccaccacc caaccccaac tccagaccac cggtcgtccc tcgcatgaag 143940

cccccaacat gacccagacc ggcaccaccg actctcccac cgccatcagc cttaccacgc 144000

ccgaccacac acccccccatg ccaagtatcg gactggagga ggaggaagag gaggaggggg 144060

ccggggacgg cgaacatctt gaggggggag atgggacccg tgacacccta ccccagtccc 144120

cgggcccagc cttcccgttg gctgaggacg tcgagaagga caaacccaac cgtcccgtag 144180

tcccatcccc cgatcccaac aactcccccg cgcgccccga gaccagtcgc ccgaagacac 144240

cccccaccat tatcgggccg ctggcaactc gccccacgac ccgactcacc tcaaagggac 144300

gacccttggt tccgacgcct caacataccc cgctgttctc gttcctcact gcctcccccg 144360

ccctggacac cctcttcgtc gtcagcaccg tcatccacac cttatcgttt ttgtgtattg 144420

gtgcgatggc gacacacctg tgtggcggtt ggtccagacg cgggcgacgc acacacccta 144480

gcgtgcgtta cgtgtgcctg ccgtccgaac gcgggtaggg tatggggcgg gggatgggga 144540

gagcccacac gcggaaagca agaacaataa aggcggtggt atctagttga tatgcatctc 144600

tgggtgtttt tggggtgtgg cggacgcggg gcggtcattg gacggggtgc agttaaatac 144660

atgcccggga cccatgaagc atgcgcgact tccgggcctc ggaacccacc cgaaacggcc 144720

aacggacgtc tgagccaggc ctggctatcc ggagaaacag cacacgactt ggcgttctgt 144780

gtgtcgcgat gtctctgcgc gcagtctggc atctggggct tttgggaagc ctcgtggggg 144840

ctgttcttgc cgccacccat cggggacctg cggccaacac aacggacccc ttaacgcacg 144900

ccccagtgtc ccctcacccc agccccctgg ggggctttgc cgtccccctc gtagtcggtg 144960

ggctgtgcgc cgtagtcctg ggggcggcgt gtctgcttga gctcctgcgt cgtacgtgcc 145020

gcgggtgggg gcgttaccat ccctacatgg acccagttgt cgtataattt ccccccccccc 145080

ccccttctc cgcatgggtg atgtcgggtc caaactcccg acaccaccag ctggtatggt 145140

ataaatcacc ggtgcgcccc ccaaaccatg tccggcaggg ggatgggggg gcgaatgcgg 145200

agggcaccca acaacaccgg gctaaccagg aaatccgtgg ccccggcccc caataaagat 145260

cgcggtagcc cggccgtgtg acactatcgt ccataccgac cacaccgacg aatcccctaa 145320

gggggagggg ccattttacg aggaggaggg gtataacaaa gtctgtcttt aaaaagcagg 145380

ggttagggag ttgttcggtc ataagcttca gcgcgaacga ccaactaccc cgatcatcag 145440

ttatccttaa ggtctctttt gtgtggtgcg ttccggtatg gggggggctg ccgccaggtt 145500

gggggccgtg attttgtttg tcgtcatagt gggcctccat ggggtccgcg gcaaatatgc 145560

cttggcggat gcctctctca agatggccga ccccaatcgc tttcgcggca aagaccttcc 145620

ggtcctggac cagctgaccg accctccggg ggtccggcgc gtgtaccaca tccaggcggg 145680

cctaccggac ccgttccagc cccccagcct cccgatcacg gtttactacg ccgtgttgga 145740

gcgcgcctgc cgcagcgtgc tcctaaacgc accgtcggag gccccccaga ttgtccgcgg 145800

ggcctccgaa gacgtccgga aacaacccta caacctgacc atcgcttggt ttcggatggg 145860

aggcaactgt gctatcccca tcacggtcat ggagtacacc gaatgctcct acaacaagtc 145920

tctgggggcc tgtcccatcc gaacgcagcc ccgctggaac tactatgaca gcttcagcgc 145980

cgtcagcgag gataacctgg ggttcctgat gcacgccccc gcgtttgaga ccgccggcac 146040

gtacctgcgg ctcgtgaaga taaacgactg gacggagatt acacagttta tcctggagca 146100

ccgagccaag ggctcctgta agtacgccct cccgctgcgc atccccccgt cagcctgcct 146160

gtccccccag gcctaccagc agggggtgac ggtggacagc atcgggatgc tgccccgctt 146220

catccccgag aaccagcgca ccgtcgccgt atacagcttg aagatcgccg ggtggcacgg 146280

gcccaaggcc ccatacacga gcaccctgct gcccccggag ctgtccgaga cccccaacgc 146340

cacgcagcca gaactcgccc cggaagaccc cgaggattcg gccctcttgg aggaccccgt 146400

ggggacggtg gcgccgcaaa tcccaccaaa ctggcacata ccgtcgatcc aggacgccgc 146460

gacgccttac catcccccgg ccaccccgaa caacatgggc ctgatcgccg gcgcggtggg 146520

cggcagtctc ctggcagccc tggtcatttg cggaattgtg tactggatgc gccgccgcac 146580

tcaaaaagcc ccaaagcgca tacgcctccc ccacatccgg gaagacgacc agccgtcctc 146640

gcaccagccc ttgttttact agataccccc ccttaatggg tgcgggggggg tcaggtctgc 146700

ggggttggga tgggacctta actccatata aagcgagtct ggaaggggggg aaaggcggac 146760

agtcgataag tcggtagcgg gggacgcgca cctgttccgc ctgtcgcacc cacagctttt 146820

tttgcgaacc gtcccgttcc gggatgccgt gccgcccgtt gcagggcctg gtgctcgtgg 146880

gcctctgggt ctgtgccacc agcctggttg tccgtggccc cacggtcagt ctggtatcaa 146940

actcatttgt ggacgccggg gccttggggc ccgacggcgt agtggaggaa gacctgctta 147000

ttctcgggga gcttcgcttt gtgggggacc aggtccccca caccacctac tacgatgggg 147060

tcgtagagct gtggcactac cccatgggac acaaatgccc acgggtcgtg catgtcgtca 147120

cggtgaccgc gtgcccacgt cgccccgccg tggctttcgc cctgtgtcgc gcaaccgaca 147180

gcactcacag ccccgcatat cccaccctgg agctgaatct ggcccaacag ccgcttttgc 147240

gggtccggag ggcgacgcgt gactatgccg gggtgtacgt gttacgcgta tgggtcgggg 147300

acgcaccaaa cgccagcctg tttgtcctgg ggatggccat agccgccgaa gggactctgg 147360

cgtacaacgg ctcggcccat ggctcctgcg acccgaaact gcttccgtat tcggccccgc 147420

gtctggcccc ggcgagcgta taccaacccg cccctaaccc ggcctccacc ccctcgacca 147480

ccacctccac cccctcgacc accacctcca ccccctcgac caccatcccc gctccccaag 147540

catcgaccac acccttcccc acgggagacc caaaacccca acctcacggg gtcaaccacg 147600

aacccccatc gaatgccacg cgagcgaccc gcgactcgcg atacgcgcta acggtgaccc 147660

agataatcca gatagccatc cccgcgtcca ttatagccct ggtgtttctg gggagctgta 147720

tttgctttat acacagatgt caacgccgct accgacgctc ccgccgcccg atttacaacc 147780

cccagatacc cactggcatc tcatgcgcgg tgaacgaagc ggccatggcc cgcctcggag 147840

ccgagctcaa atcgcatccg agcacccccc ccaaatcccg gcgccggtcg tcacgcacac 147900

caatgccctc cctgacggcc atcgccgaag agtcggagcc cgcgggggcg gctgggcttc 147960

cgacgccccc cgtggacccc acgacatcca ccccaacgcc tcccctgttg gtataggtcc 148020

acggccactg gccgggggca ccacataacc gaccgcagtc actgagttgg gaataaaccg 148080

gtattattta cctatatacg tgtatgtcca tttcttcccc ccccccccgg gaaaccaaag 148140

aaggaaacaa agaatggatg ggaggagttc aggaagccgg ggagagggcc cgcggcgcat 148200

ttaaggcgtt gttgtgttga ctttggctct tctggcgggt tggtgcggtg ctgtttgttg 148260

ggctcccatt ttacccgaag atcggctgct atccccggga catggatcgc ggggcggtgg 148320

tggggtttct tctcggtgtt tgtgttgtat cgtgcttggc gggaacgccc aaaacgtcct 148380

ggagacgggt gagtgtcggc gaggacgttt cgttgcttcc agctccgggg cctacggggc 148440

gcggcccgac ccagaaacta ctatgggccg tggaacccct ggatgggtgc ggccccttac 148500

acccgtcgtg ggtctcgctg atgccccca agcaggtgcc cgagacggtc gtggatgcgg 148560

cgtgcatgcg cgctccggtc ccgctggcga tggcgtacgc ccccccggcc ccatctgcga 148620

ccgggggtct acggacggac ttcgtgtggc aggagcgcgc ggccgtggtt aaccggagtc 148680

tggttattta cggggtccga gagacggaca gcggcctgta taccctgtct gtgggcgaca 148740

taaaggaccc ggctcgccaa gtggcctcgg tggtcctggt ggtgcaaccg gccccagttc 148800

cgaccccacc cccgacccca gccgattacg acgaggatga caatgacgag ggcgagggcg 148860

aggacgaaag tctagccggc actcccgcca gcgggacccc ccggctcccg cctccccccg 148920

ccccccgag gtcttggccc agcgcccccg aagtctcaca cgtgcgtggg gtgaccgtgc 148980

gtatggagac tccggaagct atcctgtttt cccccgggga ggcgtttagc acgaacgtct 149040

ccatccatgc catcgcccac gacgaccaga cctacaccat ggacgtcgtc tggttgaggt 149100

tcgacgtgcc gacctcgtgt gccgagatgc gaatatacga atcgtgtctg tatcacccgc 149160

agctcccaga gtgtctgtcc ccggccgacg ctccgtgcgc cgcgagtacg tggacgtctc 149220

gcctggccgt ccgcagctac gcggggtgtt ccagaacaaa ccccccgccg cgctgttcgg 149280

ccgaggctca catggagccc ttcccggggc tggcgtggca ggcggcctcc gtcaatctgg 149340

agttccggga cgcgtcccca caacactccg gcctgtatct gtgcgtggtg tacgtcaacg 149400

accatattca cgcatggggc cacattacca tcagcaccgc ggcgcagtac cggaacgcgg 149460

tggtggaaca gcccctccca cagcgcggcg cggatttggc cgagcccacc cacccgcacg 149520

tcggggcccc tccccacgcg cccccaaccc acggcgccct gcggttaggg gcggtgatgg 149580

gggccgccct gctgctgtct gcgctggggt tgtcggtgtg ggcgtgtatg acctgttggc 149640

gcaggcgtgc ctggcgggcg gttaaaagca gggcctcggg taaggggccc acgtacattc 149700

gcgtggccga cagcgagctg tacgcggact ggagctcgga cagcgaggga gaacgcgacc 149760

aggtcccgtg gctggccccc ccggagagac ccgactctcc ctccaccaat ggatccggct 149820

ttgagatctt atcaccaacg gctccgtctg tatacccccg tagcgatggg catcaatctc 149880

gccgccagct cacaaccttt ggatccggaa ggcccgatcg ccgttactcc caggcctccg 149940

attcgtccgt cttctggtaa ggcgccccat cccgaggccc cacgtcggtc gccgaactgg 150000

gcgaccgccg gcgaggtgga cgtcggagac gagctaatcg cgatttccga cgaacgcgga 150060

ccccccgac atgaccgccc gcccctcgcc acgtcgaccg cgccctcgcc acacccgcga 150120

cccccgggct acacggccgt tgtctccccg atggccctcc aggctgtcga cgccccctcc 150180

ctgtttgtcg cctggctggc cgctcggtgg ctccgggggg cttccggcct gggggccgtc 150240

ctgtgtggga ttgcgtggta tgtgacgtca attgcccgag gcgcataaag ggccggtggt 150300

ccgcctagcc gcagcaaatt aaaaatcgtg agtcactgcg accgcaactt cccacccgga 150360

gctttcttcc ggcctcgatg acgtcccggc tctccgatcc caactcctca gcgcgatccg 150420

acatgtccgt gccgctttat cccacggcct cgccagtttc ggtcgaagcc tactactcgg 150480

aaagcgaaga cgaggcggcc aacgacttcc tcgtacgcat gggccgccaa cagtcggtat 150540

taaggcgtcg acgcagacgc acccgctgcg tcggcatggt gatcgcctgt ctcctcgtgg 150600

ccgttctgtc gggcggattt ggggcgctcc tgatgtggct gctccgctaa aagaccgcat 150660

cgacacgcgc gtccttcttg tcgtctctct tccccccccat caccccgcaa tttgcaccca 150720

gcctttaact acattaaatt gggttcgatt ggcaatgttg tctcccggtt gatttttggg 150780

tgggtgggga gtgggtgggt ggggagtggg tgggtgggga gtgggtgggt ggggagtggg 150840

tgggtgggga gtgggtgggt ggggagtggg tgggtgggga gtgggtgggt ggggagtggg 150900

tgggtgggga gtgggtgggt ggggagtggc aaggaagaaa caagcccgac caccagacag 150960

aaaatgtaac catacccaaa ccgactctgg gggctgtttg tggggtcgga accataggat 151020

gaacaaacca ccccgtacct cccgcaccct tgggtgcggg tggctcatcg gcatctgtcc 151080

ggtatgggtt gttccccacc cacttgcgtt cggacgtctt agaatcatgg cggttttcta 151140

tgccgacatc ggttttctcc cccgcaataa gacacgatgc gataaaatct gtttgtgaaa 151200

tttattaagg gtacaaattg ccctagcaca ggggtggggt tagggccggg tccccacacc 151260

caaacgcacc aaacagatgc aggcagtggg tcgagtacag ccccgcgtac gaacacgtcg 151320

atgcgtgtgt cagacagcac cagaaagcac aggccatcaa caggtcgtgc atatgtcggt 151380

gggtttggac gcgggggcc atggtggtga taaagttaat ggccgccgtc cgccagggcc 151440

acaggggcga cgtctcttgg ttggcccgga gccactgggt gtggaccagc cgcgcgtggc 151500

ggcccaacat ggcccctgta gccgggggcg ggggatcgcg cacgtttgca gcgcacatgc 151560

gagacacctc gaccacggtt cggaagaagg cccggtggtc cgcgggcaac atcaccaggt 151620

gcgcaagcgc ccgggcgtcc agagggtaga gccctgagtc atccgaggtt ggctcatcgc 151680

ccgggtcatg ccgcaagtgc gtgtgggttg ggcttccggt gggcgggacg cgaaccgcgg 151740

tgtggagccc tacgcgggcc cgagcgtacg ctccatcttg tggggagaag gggtctgggc 151800

tcgccagggg ggcatacttg cccgggctat acagacccgc gagccgtacg tggttcgcgg 151860

ggggtgcgtg gggtccgggg ctcccgggga ggccggggct cccggggttg tcgtggatcc 151920

ctggggtcac gcggtaccct ggggtctctg ggagctcgcg gtactctggg ttccctaggt 151980

tctcggggtg gtcgcggaac ccggggctcc cggggaacac gcggtgtcct ggggattgtt 152040

ggcggtcgga cggcttcaga tggcttcgag atcgtagtgt ccgcaccgac tcgtagtaga 152100

cccgaatctc cacattgccc cgccgcttga tcattatcac cccgttgcgg gggtccggag 152160

atcatgcgcg ggtgtcctcg aggtgcgtga acacctctgg ggtgcatgcc ggcggacggc 152220

acgcctttta agtaaacatc tgggtcgccc ggcccaactg gggccggggg ttgggtctgg 152280

ctcatctcga gagccacggg gggaaccacc ctccgcccag aaacttgggc gatggtcgta 152340

cccgggactc aacgggttac cggattacgg ggactgtcgg tcacggtccc gccggttctt 152400

cgatgtgcca cacccaagga tgcgttgggg gcgattttgg gcagcagccc gggagagcgc 152460

agcagaggac gctccgggtc gtgcacggcg gttttggccg cctcccggtc ctcacgcccc 152520

cttttattga tctcatcgcg tacgtcggcg tacgtcctgg gcccaacccg catgttgtcc 152580

aggaaggtgt ccgccatttc cagggcccac gacatgctcc cccgcccgac gagcaggaag 152640

cggtccacgc aacggtcgcc gccggtcgcc ccgacgagca ggaagcggtc cacgcaacgg 152700

tcgccgccgg tcgcctcgac gaggacgttc ctcctgcggg aaggcacgaa cgcgggtgag 152760

ccccctcctc cgcccccgcg tccccctcc tccgcccccg cgtcccccct cctccgcccc 152820

cgcgtccccc ctcctccgcc cccgcgtccc ccctcctccg cccccgcgtc ccccctcctc 152880

cgcccccgcg tccccctcc tccacccccg cgtcccccc tcctccgccc acccaaggtg 152940

cttacccgtg cacaaaggcg gaccggtggg tttctgtcgt cggaggcccc cggggtgcgt 153000

cccctgtgtt tcgtgggtgg ggtgggtggg tctttccgcg tgtccctttc cgatgcgatc 153060

ccgatcccga gccggggcgt cgcgatgccg acgccgtccg ctccgacggc cctctgcgag 153120

tcccgctccc ggtccgcgtg ctccgcagcc gctcccgtcg ttcgtggccg gcgccgtctg 153180

cgggcgtcgg tcgcgccggg cctttatgtg cgccggagag acccgccccc cgccgcccgg 153240

gcccgccccc ggggccggcg cggagtcggg cacggcgcca gtgctcgcac ttcgccctaa 153300

taatatatat atattgggac gaagtgcgaa cgcttcgcgt tctcacttct tttacccggc 153360

ggccccgccc ccttggggcg gtcccgcccg ccggccaatg gggggggcggc aaggcgggcg 153420

gcccttgggc cgcccgccgt cccgttggtc ccaacgtccg gcgggcggga ccgggggccc 153480

ggggacggcc aacgggcgcg cggggctcgt atctcattac cgccgaaccg ggaagtcggg 153540

gcccgggccc cgccccggc ccgttcctcg ttagcatgcg gaacggaagc ggaaaccacc 153600

ggatcgggcg gtaatgagat gccatgcggg gcggggcgcg ggcccacccg ccctcgcgcc 153660

ccgcccatgg cagatggcgc ggatgggcgg ggccgggggt tcgaccaacg ggccgcggcc 153720

acgggccccc ggcgtgccgg cgtcggggcg gggtcgtgca taatggaatt ccgttcgggg 153780

cgggcccgcc tgggggggcgg ggggccggcg gcctccgctg ctcctccttc ccgccggccc 153840

ctgggactat atgagcccga ggacgccccg atcgtccaca cggagcgcgg ctgccgacac 153900

ggatccacga cccgacgcgg gaccgccaga gacagaccgt cagacgctcg ccgcgccggg 153960

acgccgatac gcggacgaag cgcgggaggg ggatcggccg tccctgtcct ttttcccacc 154020

caagcatcga ccggtccgcg ctagttccgc gtcgacggcg ggggtcgtcg gggtccgtgg 154080

gtctcgcccc ctccccatcg agagtccgta ggtgacctac cgtgctacgt ccgccgtcgc 154140

agccgtatcc ccggaggatc gccccgcatc ggcgatggcg tcggagaaca agcagcgccc 154200

cggctccccg ggccccaccg acgggccgcc gcccaccccg agcccagacc gcgacgagcg 154260

gggggccctc gggtggggcg cggagacgga ggagggcggg gacgaccccg accacgaccc 154320

cgaccacccc cacgacctcg acgacgcccg gcgggacggg agggcccccg cggcgggcac 154380

cgacgccggc gaggacgccg gggacgccgt ctcgccgcga cagctggccc tgctggcctc 154440

catggtagag gaggccgtcc ggacgatccc gacgcccgac cccgcggcct cgccgccccg 154500

gacccccgcc tttcgagccg acgacgatga cggggacgag tacgacgacg cagccgacgc 154560

cgccggcgac cgggccccgg cccggggccg cgcacgggag gccccgctac gcggcgcgta 154620

tccggacccc acggaccgcc tgtcgccgcg cccgccggcc cagccgccgc ggagacgtcg 154680

tcacggccgg cggcggccat cggcgtcatc gacctcgtcg gactccgggt cctcgtcctc 154740

gtcgtccgca tcctcttcgt cctcgtcgtc cgacgaggac gaggacgacg acggcaacga 154800

cgcggccgac cgcgcacgcg aggcgcgggc cgtcgggcgg ggtccgtcga gcgcggcgcc 154860

ggaagccccc gggcggacgc cgcccccgcc cgggccaccc cccctctccg aggccgcgcc 154920

caagccccgg gcggcggcga ggacccccgc ggcctccgcg ggccgcatcg agcgccgccg 154980

ggcccgcgcg gcggtggccg gccgcgacgc cacgggccgc ttcacggccg ggcagccccg 155040

gcgggtcgag ctggacgccg acgcggcctc cggcgccttc tacgcgcgct atcgcgacgg 155100

gtacgtcagc ggggagccgt ggcccggcgc cgggcccccg cccccggggc gggtgctgta 155160

cggcggcctg ggcgacagcc gcccgggcct ctgggggcg cccgaggcgg aggaggcgcg 155220

acgccggttc gaggcctcgg gcgccccggc ggccgtgtgg gcgcccgagc tgggcgacgc 155280

cgcgcagcag tacgccctga tcacgcggct gctgtacacc ccggacgcgg aggccatggg 155340

gtggctccag aacccgcgcg tggtccccgg ggacgtggcg ctggaccagg cctgcttccg 155400

gatctcgggc gccgcgcgca acagcagctc cttcatcacc ggcagcgtgg cgcgggccgt 155460

gccccacctg ggctacgcca tggcggccgg ccgcttcggc tggggcctgg cgcacgcggc 155520

ggccgccgtg gccatgagcc gccgatacga ccgcgcgcag aagggcttcc tgctgaccag 155580

cctgcgccgc gcctacgcgc ccctgttggc gcgcgagaac gcggcgctga cgggggccgc 155640

ggggagcccc ggcgccggcg cagatgacga gggggtcgcc gccgccgtcg tcgccgccgc 155700

cgccgcaccg ggcgagcgcg cggtgcccgc cgggtacggc gccgcgggga tcctcgccgc 155760

cctggggcgg ctgtccgccg cgcccgcctc ccccgcgggg ggcgacgacc ccgacgccgc 155820

ccgccacgcc gacgccgacg acgacgccgg gcgccgcgcc caggccggcc gcgtggccgt 155880

ggagtgcctg gccgcctgcc gcgggatcct ggaggcgctg gccgagggct tcgacggcga 155940

cctggcggcc gtcccggggc tggccggggc ccggcccgcc agcccccgc ggccggaggg 156000

acccgcgggc cccgcttccc cgccgccgcc gcacgccgac gcgccccgcc tgcgcgcgtg 156060

gctgcgcgag ctgcggttcg tgcgcgacgc gctggtgctc atgcgcctgc gcggggacct 156120

gcgcgtggcc ggcggcagcg aggccgccgt ggccgccgtg cgcgccgtga gcctggtcgc 156180

cggggccctg ggccccgcgc tgccgcggga cccgcgcctg ccgagctccg cggccgccgc 156240

cgccgcggac ctgctgtttg agaaccagag cctgcgcccc ctgctggcgg cggccgccag 156300

cgcaccggac gccgccgacg cgctggcggc cgccgccgcc tccgccgcgc cgcgggaggg 156360

gcgcaagcgc aagagtcccg gcccggcccg gccgcccgga ggcggcggcc cgcgaccccc 156420

gaagacgaag aagagcggcg cggacgcccc cggctcggac gcccgcgccc ccctccccgc 156480

gccccccctcc acgcccccgg ggcccgagcc cgcccccgcc cagcccgcgg cgccccgggc 156540

cgccgcggcg caggcccgcc cgcgccccgt ggcgctgtcg cgccggcccg ccgagggccc 156600

cgacccccctg ggcggctggc ggcggcagcc cccggggccc agccacacgg cggcgcccgc 156660

ggccgccgcc ctggaggcct actgctcccc gcgcgccgtg gccgagctca cggaccaccc 156720

gctgttcccc gtcccctggc gaccggccct catgtttgac ccgcgggccc tggcctcgat 156780

cgccgcgcgg tgcgccgggc ccgccgccgc cgcccaggcc gcgtgcggcg gcggcgacga 156840

cgacgataac ccccaccccc acggggccgc cgggggccgc ctctttggcc ccctgcgcgc 156900

ctcgggcccg ctgcgccgca tggcggcctg gatgcgccag atccccgacc ccgaggacgt 156960

gcgcgtggtg gtgctgtact cgccgctgcc gggcgaggac ctggccggcg gcggggcctc 157020

gggggggccg ccggagtggt ccgccgagcg cggcgggctg tcctgcctgc tggcggccct 157080

ggccaaccgg ctgtgcgggc cggacacggc cgcctgggcg ggcaactgga ccggcgcccc 157140

cgacgtgtcg gcgctgggcg cgcagggcgt gctgctgctg tccacgcggg acctggcctt 157200

cgccggggcc gtggagtttc tggggctgct cgccagcgcc ggcgaccggc ggctcatcgt 157260

ggtcaacacc gtgcgcgcct gcgactggcc cgccgacggg cccgcggtgt cgcggcagca 157320

cgcctacctg gcgtgcgacc tgctgcccgc cgtgcagtgc gccgtgcgct ggccggcggc 157380

gcgggacctg cgccgcacgg tgctggcccc gggccgcgtg ttcggcccgg gggtcttcgc 157440

gcgcgtggag gccgcgcacg cgcgcctgta ccccgacgcg ccgccgctgc gcctgtgccg 157500

cggcggcaac gtgcgctacc gcgtgcgcac gcgcttcggc ccggacacgc cggtgcccat 157560

gtccccgcgc gagtaccgcc gggccgtgct gccggcgctg gacggccggg cggcggcctc 157620

ggggaccacc gacgccatgg cgcccggcgc gccggacttc tgcgaggagg aggcccactc 157680

gcaccgcgcc tgcgcgcgct ggggcctggg cgcgccgctg cggcccgtgt acgtggcgct 157740

ggggcgcgag gcggtgcgcg ccggcccggc ccggtggcgc gggccgcgga gggacttttg 157800

cgcccgcgcc ctgctggagc ccgacgacga cgccccccg ctggtgctgc gcggcggcga 157860

cgacgacgac gacggcccgg gggccctgcc gccggcgttg cccgggattc gctgggcctc 157920

ggccacgggc cgcagcggca ccgtgctggc ggcggcgggg gccgtggagg tgctgggggc 157980

ggaggcgggc ttggccacgc ccccgcgacg ggaagttgtg gactgggaag gcgcctggga 158040

cgacgacgac ggcggcgcgt tcgaggggga cggggtgctg taacgggccg ggacggggcg 158100

gggcgcttgc gaaacccgaa gacgcaataa acgacaacga cctgatttag ttttgcagta 158160

gcgttgttta tttcgagggg cgggaggggg cgaggggcgg gaggggcga ggggcgggag 158220

ggggcgaggg gcgggagggg gcgaggggcg ggaggggcg aggggcggga gggggcgagg 158280

ggcgggaggg ggcgaggggc gggaggggcg gaggggcggg aggggcgag gggcgggagg 158340

gggcgagggg cgggaggggg cgaggggcgg gaggggcga ggggcgggag ggggcgaggg 158400

gcgggagggg gcgaggggcg ggaggggcg aggggcggga gggggcgagg ggcgggaggg 158460

ggcgaggggc gggaggggc gaggggcggg aggggcgag gggcggtggt ggtgcgcggg 158520

cgcccccgga gggtttggat ctctgacctg agattggcgg cactgaggta gagatgcccg 158580

aacccccccg agggagcgcg ggacgcggcc ggggagggct ggggccgggg agggctgggg 158640

ccggggaggg ctggggccgg ggagggctgg ggccggggag ggctggggcc ggggagggct 158700

ggggccgggg agggctgggg ctggggaggg ctggggctgg ggagggctgg ggcggtggtg 158760

tgtgacagga gcggcgtgtt gcgctggggg acgtctggag gagcgggggg tgcgcggtga 158820

cgtgtggatg aggaacagga gttgttgcgc ggtgagttgt cgctgtgagt tgtgttggtg 158880

ggcaggtgtg gtggatgacg tgacgtgtga cgtgtggatg aggaaccgga gtcgccggtg 158940

cgccgtgctg ttggtgttct gttggtgttg ttacacctgt ggcagcccgg gccccccgcg 159000

ggcggggcgg cgcgcaaaaa aggcgggcgg cggtccgggc ggcgtgcgcg cgcgcggcgg 159060

gcgttggggg agcgggggga ggagcggggg gaggagcggg gggaggagcg gggggaggag 159120

cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg gggggaggag 159180

cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg gggggaggag 159240

cgggggggagg agcgggggga ggagcggggg gaggagcggg gggaggagcg gaaaacgggc 159300

ccccccgaa acacaccccc cgggggtcgc gcgcggccct ttaaagcg 159348

<210> 11
<211> 3746

<212> DNA
<213> Artificial Sequence

<220>
<223> hEphA2 ML extracted sequence derived from a human sequence

<220>
<221> accession
<222> (1)..(3524)
<223> urn.local...j-9huj25y

<220>
<221> misc_feature
<222> (45)..(365)
<223> /label="MNDpro"

/note="Geneious type: promoter uukaryotic"

<220>
<221> sig_peptide
<222> (513)..(584)
<223> /created_by="kxc091"

/label="Signal Sequence"

<220>
<221> CDS
<222> (585)..(3440)
<223> /created_by="kxc091"

/label="hEphA2 coding domain"

<220>
<221> CDS
<222> (3447)..(3479)
<223> /created_by="kxc091"

/Color="#c3d9ff"

/modified_by="kxc091"

/label="Myc Tag"

<220>
<221> motif
<222> (3522)..(3524)
<223> /created_by="User"

/modified_by="kxc091"

/label="STOP"

<400> 11

```
gcctatggga atgaaagacc ccacctgtag gtttggcaag ctaggatcaa ggtcaggaac       60

agagaaacag gagaatatgg gccaaacagg atatctgtgg taagcagttc ctgccccgct      120

cagggccaag aacagttgga acaggagaat atgggccaaa caggatatct gtggtaagca      180

gttcctgccc cgctcagggc caagaacaga tggtccccag atgcggtccc gccctcagca      240

gtttctagag aaccatcaga tgtttccagg gtgccccaag gacctgaaat gaccctgtgc      300

cttatttgaa ctaaccaatc agttcgcttc tcgcttctgt tcgcgcgctt ctgctccccg      360

agctctatat aagcagagct ggtttagtga accgtcagat cgcctggaga cgccatccac      420

gctgttttga cctccataga agacaccgac tctagctaga ggatctccta ggaagctggc      480

cgcacaaagt ggtaccggat cccgggtcga ccatggagct ccaggcagcc cgcgcctgct      540

tcgccctgct gtggggctgt gcgctggccg cggccgcggc ggcg cag ggc aag gaa       596
                                                Gln Gly Lys Glu
                                                1

gtg gta ctg ctg gac ttt gct gca gct gga ggg gag ctc ggc tgg ctc        644
Val Val Leu Leu Asp Phe Ala Ala Ala Gly Gly Glu Leu Gly Trp Leu
5                   10                  15                  20

aca cac ccg tat ggc aaa ggg tgg gac ctg atg cag aac atc atg aat        692
Thr His Pro Tyr Gly Lys Gly Trp Asp Leu Met Gln Asn Ile Met Asn
                25                  30                  35

gac atg ccg atc tac atg tac tcc gtg tgc aac gtg atg tct ggc gac        740
Asp Met Pro Ile Tyr Met Tyr Ser Val Cys Asn Val Met Ser Gly Asp
            40                  45                  50

cag gac aac tgg ctc cgc acc aac tgg gtg tac cga gga gag gct gag        788
Gln Asp Asn Trp Leu Arg Thr Asn Trp Val Tyr Arg Gly Glu Ala Glu
        55                  60                  65

cgt atc ttc att gag ctc aag ttt act gta cgt gac tgc aac agc ttc        836
Arg Ile Phe Ile Glu Leu Lys Phe Thr Val Arg Asp Cys Asn Ser Phe
    70                  75                  80

cct ggt ggc gcc agc tcc tgc aag gag act ttc aac ctc tac tat gcc        884
Pro Gly Gly Ala Ser Ser Cys Lys Glu Thr Phe Asn Leu Tyr Tyr Ala
85                  90                  95                  100
```

```
gag tcg gac ctg gac tac ggc acc aac ttc cag aag cgc ctg ttc acc        932
Glu Ser Asp Leu Asp Tyr Gly Thr Asn Phe Gln Lys Arg Leu Phe Thr
                105                 110                 115

aag att gac acc att gcg ccc gat gag atc acc gtc agc agc gac ttc        980
Lys Ile Asp Thr Ile Ala Pro Asp Glu Ile Thr Val Ser Ser Asp Phe
            120                 125                 130

gag gca cgc cac gtg aag ctg aac gtg gag gag cgc tcc gtg ggg ccg       1028
Glu Ala Arg His Val Lys Leu Asn Val Glu Glu Arg Ser Val Gly Pro
        135                 140                 145

ctc acc cgc aaa ggc ttc tac ctg gcc ttc cag gat atc ggt gcc tgt       1076
Leu Thr Arg Lys Gly Phe Tyr Leu Ala Phe Gln Asp Ile Gly Ala Cys
    150                 155                 160

gtg gcg ctg ctc tcc gtc cgt gtc tac tac aag aag tgc ccc gag ctg       1124
Val Ala Leu Leu Ser Val Arg Val Tyr Tyr Lys Lys Cys Pro Glu Leu
165                 170                 175                 180

ctg cag ggc ctg gcc cac ttc cct gag acc atc gcc ggc tct gat gca       1172
Leu Gln Gly Leu Ala His Phe Pro Glu Thr Ile Ala Gly Ser Asp Ala
                185                 190                 195

cct tcc ctg gcc act gtg gcc ggc acc tgt gtg gac cat gcc gtg gtg       1220
Pro Ser Leu Ala Thr Val Ala Gly Thr Cys Val Asp His Ala Val Val
            200                 205                 210

cca ccg ggg ggt gaa gag ccc cgt atg cac tgt gca gtg gat ggc gag       1268
Pro Pro Gly Gly Glu Glu Pro Arg Met His Cys Ala Val Asp Gly Glu
        215                 220                 225

tgg ctg gtg ccc att ggg cag tgc ctg tgc cag gca ggc tac gag aag       1316
Trp Leu Val Pro Ile Gly Gln Cys Leu Cys Gln Ala Gly Tyr Glu Lys
    230                 235                 240

gtg gag gat gcc tgc cag gcc tgc tcg cct gga ttt ttt aag ttt gag       1364
Val Glu Asp Ala Cys Gln Ala Cys Ser Pro Gly Phe Phe Lys Phe Glu
245                 250                 255                 260

gca tct gag agc ccc tgc ttg gag tgc cct gag cac acg ctg cca tcc       1412
Ala Ser Glu Ser Pro Cys Leu Glu Cys Pro Glu His Thr Leu Pro Ser
                265                 270                 275

cct gag ggt gcc acc tcc tgc gag tgt gag gaa ggc ttc ttc cgg gca       1460
Pro Glu Gly Ala Thr Ser Cys Glu Cys Glu Glu Gly Phe Phe Arg Ala
            280                 285                 290

cct cag gac cca gcg tcg atg cct tgc aca cga ccc ccc tcc gcc cca       1508
Pro Gln Asp Pro Ala Ser Met Pro Cys Thr Arg Pro Pro Ser Ala Pro
```

```
        295                 300                 305

cac tac ctc aca gcc gtg ggc atg ggt gcc aag gtg gag ctg cgc tgg       1556
His Tyr Leu Thr Ala Val Gly Met Gly Ala Lys Val Glu Leu Arg Trp
    310                 315                 320

acg ccc cct cag gac agc ggg ggc cgc gag gac att gtc tac agc gtc       1604
Thr Pro Pro Gln Asp Ser Gly Gly Arg Glu Asp Ile Val Tyr Ser Val
325                 330                 335                 340

acc tgc gaa cag tgc tgg ccc gag tct ggg gaa tgc ggg ccg tgt gag       1652
Thr Cys Glu Gln Cys Trp Pro Glu Ser Gly Glu Cys Gly Pro Cys Glu
                345                 350                 355

gcc agt gtg cgc tac tcg gag cct cct cac gga ctg acc cgc acc agt       1700
Ala Ser Val Arg Tyr Ser Glu Pro Pro His Gly Leu Thr Arg Thr Ser
            360                 365                 370

gtg aca gtg agc gac ctg gag ccc cac atg aac tac acc ttc acc gtg       1748
Val Thr Val Ser Asp Leu Glu Pro His Met Asn Tyr Thr Phe Thr Val
        375                 380                 385

gag gcc cgc aat ggc gtc tca ggc ctg gta acc agc cgc agc ttc cgt       1796
Glu Ala Arg Asn Gly Val Ser Gly Leu Val Thr Ser Arg Ser Phe Arg
    390                 395                 400

act gcc agt gtc agc atc aac cag aca gag ccc ccc aag gtg agg ctg       1844
Thr Ala Ser Val Ser Ile Asn Gln Thr Glu Pro Pro Lys Val Arg Leu
405                 410                 415                 420

gag ggc cgc agc acc acc tcg ctt agc gtc tcc tgg agc atc ccc ccg       1892
Glu Gly Arg Ser Thr Thr Ser Leu Ser Val Ser Trp Ser Ile Pro Pro
                425                 430                 435

ccg cag cag agc cga gtg tgg aag tac gag gtc act tac cgc aag aag       1940
Pro Gln Gln Ser Arg Val Trp Lys Tyr Glu Val Thr Tyr Arg Lys Lys
            440                 445                 450

gga gac tcc aac agc tac aat gtg cgc cgc acc gag ggt ttc tcc gtg       1988
Gly Asp Ser Asn Ser Tyr Asn Val Arg Arg Thr Glu Gly Phe Ser Val
        455                 460                 465

acc ctg gac gac ctg gcc cca gac acc acc tac ctg gtc cag gtg cag       2036
Thr Leu Asp Asp Leu Ala Pro Asp Thr Thr Tyr Leu Val Gln Val Gln
    470                 475                 480

gca ctg acg cag gag ggc cag ggg gcc ggc agc aag gtg cac gaa ttc       2084
Ala Leu Thr Gln Glu Gly Gln Gly Ala Gly Ser Lys Val His Glu Phe
485                 490                 495                 500
```

```
cag acg ctg tcc ccg gag gga tct ggc aac ttg gcg gtg att ggc ggc       2132
Gln Thr Leu Ser Pro Glu Gly Ser Gly Asn Leu Ala Val Ile Gly Gly
                505                 510                 515

gtg gct gtc ggt gtg gtc ctg ctt ctg gtg ctg gca gga gtt ggc ttc       2180
Val Ala Val Gly Val Val Leu Leu Leu Val Leu Ala Gly Val Gly Phe
            520                 525                 530

ttt atc cac cgc agg agg aag aac cag cgt gcc cgc cag tcc ccg gag       2228
Phe Ile His Arg Arg Arg Lys Asn Gln Arg Ala Arg Gln Ser Pro Glu
        535                 540                 545

gac gtt tac ttc tcc aag tca gaa caa ctg aag ccc ctg aag aca tac       2276
Asp Val Tyr Phe Ser Lys Ser Glu Gln Leu Lys Pro Leu Lys Thr Tyr
    550                 555                 560

gtg gac ccc cac aca tat gag gac ccc aac cag gct gtg ttg aag ttc       2324
Val Asp Pro His Thr Tyr Glu Asp Pro Asn Gln Ala Val Leu Lys Phe
565                 570                 575                 580

act acc gag atc cat cca tcc tgt gtc act cgg cag aag gtg atc gga       2372
Thr Thr Glu Ile His Pro Ser Cys Val Thr Arg Gln Lys Val Ile Gly
                585                 590                 595

gca gga gag ttt ggg gag gtg tac aag ggc atg ctg aag aca tcc tcg       2420
Ala Gly Glu Phe Gly Glu Val Tyr Lys Gly Met Leu Lys Thr Ser Ser
            600                 605                 610

ggg aag aag gag gtg ccg gtg gcc atc aag acg ctg aaa gcc ggc tac       2468
Gly Lys Lys Glu Val Pro Val Ala Ile Lys Thr Leu Lys Ala Gly Tyr
        615                 620                 625

aca gag aag cag cga gtg gac ttc ctc ggc gag gcc ggc atc atg ggc       2516
Thr Glu Lys Gln Arg Val Asp Phe Leu Gly Glu Ala Gly Ile Met Gly
    630                 635                 640

cag ttc agc cac cac aac atc atc cgc cta gag ggc gtc atc tcc aaa       2564
Gln Phe Ser His His Asn Ile Ile Arg Leu Glu Gly Val Ile Ser Lys
645                 650                 655                 660

tac aag ccc atg atg atc atc act gag tac atg gag aat ggg gcc ctg       2612
Tyr Lys Pro Met Met Ile Ile Thr Glu Tyr Met Glu Asn Gly Ala Leu
                665                 670                 675

gac aag ttc ctt cgg gag aag gat ggc gag ttc agc gtg ctg cag ctg       2660
Asp Lys Phe Leu Arg Glu Lys Asp Gly Glu Phe Ser Val Leu Gln Leu
            680                 685                 690

gtg ggc atg ctg cgg ggc atc gca gct ggc atg aag tac ctg gcc aac       2708
Val Gly Met Leu Arg Gly Ile Ala Ala Gly Met Lys Tyr Leu Ala Asn
```

```
        695                 700                 705

atg aac tat gtg cac cgt gac ctg gct gcc cgc aac atc ctc gtc aac       2756
Met Asn Tyr Val His Arg Asp Leu Ala Ala Arg Asn Ile Leu Val Asn
    710                 715                 720

agc aac ctg gtc tgc aag gtg tct gac ttt ggc ctg tcc cgc gtg ctg       2804
Ser Asn Leu Val Cys Lys Val Ser Asp Phe Gly Leu Ser Arg Val Leu
725                 730                 735                 740

gag gac gac ccc gag gcc acc tac acc acc agt ggc ggc aag atc ccc       2852
Glu Asp Asp Pro Glu Ala Thr Tyr Thr Thr Ser Gly Gly Lys Ile Pro
                745                 750                 755

atc cgc tgg acc gcc ccg gag gcc att tcc tac cgg aag ttc acc tct       2900
Ile Arg Trp Thr Ala Pro Glu Ala Ile Ser Tyr Arg Lys Phe Thr Ser
            760                 765                 770

gcc agc gac gtg tgg agc ttt ggc att gtc atg tgg gag gtg atg acc       2948
Ala Ser Asp Val Trp Ser Phe Gly Ile Val Met Trp Glu Val Met Thr
        775                 780                 785

tat ggc gag cgg ccc tac tgg gag ttg tcc aac cac gag gtg atg aaa       2996
Tyr Gly Glu Arg Pro Tyr Trp Glu Leu Ser Asn His Glu Val Met Lys
    790                 795                 800

gcc atc aat gat ggc ttc cgg ctc ccc aca ccc atg gac tgc ccc tcc       3044
Ala Ile Asn Asp Gly Phe Arg Leu Pro Thr Pro Met Asp Cys Pro Ser
805                 810                 815                 820

gcc atc tac cag ctc atg atg cag tgc tgg cag cag gag cgt gcc cgc       3092
Ala Ile Tyr Gln Leu Met Met Gln Cys Trp Gln Gln Glu Arg Ala Arg
                825                 830                 835

cgc ccc aag ttc gct gac atc gtc agc atc ctg gac aag ctc att cgt       3140
Arg Pro Lys Phe Ala Asp Ile Val Ser Ile Leu Asp Lys Leu Ile Arg
            840                 845                 850

gcc cct gac tcc ctc aag acc ctg gct gac ttt gac ccc cgc gtg tct       3188
Ala Pro Asp Ser Leu Lys Thr Leu Ala Asp Phe Asp Pro Arg Val Ser
        855                 860                 865

atc cgg ctc ccc agc acg agc ggc tcg gag ggg gtg ccc ttc cgc acg       3236
Ile Arg Leu Pro Ser Thr Ser Gly Ser Glu Gly Val Pro Phe Arg Thr
    870                 875                 880

gtg tcc gag tgg ctg gag tcc atc aag atg cag cag tat acg gag cac       3284
Val Ser Glu Trp Leu Glu Ser Ile Lys Met Gln Gln Tyr Thr Glu His
885                 890                 895                 900
```

```
ttc atg gcg gcc ggc tac act gcc atc gag aag gtg gtg cag atg acc       3332
Phe Met Ala Ala Gly Tyr Thr Ala Ile Glu Lys Val Val Gln Met Thr
                905                 910                 915

aac gac gac atc aag agg att ggg gtg cgg ctg ccc ggc cac cag aag       3380
Asn Asp Asp Ile Lys Arg Ile Gly Val Arg Leu Pro Gly His Gln Lys
            920                 925                 930

cgc atc gcc tac agc ctg ctg gga ctc aag gac cag gtg aac act gtg       3428
Arg Ile Ala Tyr Ser Leu Leu Gly Leu Lys Asp Gln Val Asn Thr Val
        935                 940                 945

ggg atc ccc atc gggaat tca gaa caa aaa ctc atc tca gaa gaa gat        3476
Gly Ile Pro Ile        Ser Glu Gln Lys Leu Ile Ser Glu Glu Asp
    950                         955                 960

cta ggaggcggcg ggtcaggtgg aggtggctct ggcggtggcg gttaaaattc           3529
Leu


cgactcacta tagggcgaat taattccgga gatctctaga tccggagaga cgatggcagg     3589

agccgcgcat atatacgctt ggagccagcc cgccctcaca gggcgggccg cctcgggggc     3649

gggactggcc aatcggcggc cgccagcgcg gcggggcccg gccaaccagc gtccgccgag     3709

tcttcggggc ccggcccatt gggcgggagt taccgcc                              3746


<210>  12
<211>  952
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  12

Gln Gly Lys Glu Val Val Leu Leu Asp Phe Ala Ala Ala Gly Gly Glu
1               5                   10                  15


Leu Gly Trp Leu Thr His Pro Tyr Gly Lys Gly Trp Asp Leu Met Gln
            20                  25                  30


Asn Ile Met Asn Asp Met Pro Ile Tyr Met Tyr Ser Val Cys Asn Val
        35                  40                  45
```

```
Met Ser Gly Asp Gln Asp Asn Trp Leu Arg Thr Asn Trp Val Tyr Arg
    50                  55                  60

Gly Glu Ala Glu Arg Ile Phe Ile Glu Leu Lys Phe Thr Val Arg Asp
65                  70                  75                  80

Cys Asn Ser Phe Pro Gly Gly Ala Ser Ser Cys Lys Glu Thr Phe Asn
                85                  90                  95

Leu Tyr Tyr Ala Glu Ser Asp Leu Asp Tyr Gly Thr Asn Phe Gln Lys
            100                 105                 110

Arg Leu Phe Thr Lys Ile Asp Thr Ile Ala Pro Asp Glu Ile Thr Val
        115                 120                 125

Ser Ser Asp Phe Glu Ala Arg His Val Lys Leu Asn Val Glu Glu Arg
    130                 135                 140

Ser Val Gly Pro Leu Thr Arg Lys Gly Phe Tyr Leu Ala Phe Gln Asp
145                 150                 155                 160

Ile Gly Ala Cys Val Ala Leu Leu Ser Val Arg Val Tyr Tyr Lys Lys
                165                 170                 175

Cys Pro Glu Leu Leu Gln Gly Leu Ala His Phe Pro Glu Thr Ile Ala
            180                 185                 190

Gly Ser Asp Ala Pro Ser Leu Ala Thr Val Ala Gly Thr Cys Val Asp
        195                 200                 205

His Ala Val Val Pro Pro Gly Gly Glu Glu Pro Arg Met His Cys Ala
    210                 215                 220

Val Asp Gly Glu Trp Leu Val Pro Ile Gly Gln Cys Leu Cys Gln Ala
225                 230                 235                 240

Gly Tyr Glu Lys Val Glu Asp Ala Cys Gln Ala Cys Ser Pro Gly Phe
```

```
                245                 250                 255

Phe Lys Phe Glu Ala Ser Glu Ser Pro Cys Leu Glu Cys Pro Glu His
            260                 265                 270

Thr Leu Pro Ser Pro Glu Gly Ala Thr Ser Cys Glu Cys Glu Glu Gly
        275                 280                 285

Phe Phe Arg Ala Pro Gln Asp Pro Ala Ser Met Pro Cys Thr Arg Pro
    290                 295                 300

Pro Ser Ala Pro His Tyr Leu Thr Ala Val Gly Met Gly Ala Lys Val
305                 310                 315                 320

Glu Leu Arg Trp Thr Pro Pro Gln Asp Ser Gly Gly Arg Glu Asp Ile
                325                 330                 335

Val Tyr Ser Val Thr Cys Glu Gln Cys Trp Pro Glu Ser Gly Glu Cys
            340                 345                 350

Gly Pro Cys Glu Ala Ser Val Arg Tyr Ser Glu Pro Pro His Gly Leu
        355                 360                 365

Thr Arg Thr Ser Val Thr Val Ser Asp Leu Glu Pro His Met Asn Tyr
    370                 375                 380

Thr Phe Thr Val Glu Ala Arg Asn Gly Val Ser Gly Leu Val Thr Ser
385                 390                 395                 400

Arg Ser Phe Arg Thr Ala Ser Val Ser Ile Asn Gln Thr Glu Pro Pro
                405                 410                 415

Lys Val Arg Leu Glu Gly Arg Ser Thr Thr Ser Leu Ser Val Ser Trp
            420                 425                 430

Ser Ile Pro Pro Pro Gln Gln Ser Arg Val Trp Lys Tyr Glu Val Thr
        435                 440                 445
```

```
Tyr Arg Lys Lys Gly Asp Ser Asn Ser Tyr Asn Val Arg Arg Thr Glu
    450                 455                 460

Gly Phe Ser Val Thr Leu Asp Asp Leu Ala Pro Asp Thr Thr Tyr Leu
465                 470                 475                 480

Val Gln Val Gln Ala Leu Thr Gln Glu Gly Gln Gly Ala Gly Ser Lys
                485                 490                 495

Val His Glu Phe Gln Thr Leu Ser Pro Glu Gly Ser Gly Asn Leu Ala
            500                 505                 510

Val Ile Gly Gly Val Ala Val Gly Val Val Leu Leu Leu Val Leu Ala
        515                 520                 525

Gly Val Gly Phe Phe Ile His Arg Arg Arg Lys Asn Gln Arg Ala Arg
    530                 535                 540

Gln Ser Pro Glu Asp Val Tyr Phe Ser Lys Ser Glu Gln Leu Lys Pro
545                 550                 555                 560

Leu Lys Thr Tyr Val Asp Pro His Thr Tyr Glu Asp Pro Asn Gln Ala
                565                 570                 575

Val Leu Lys Phe Thr Thr Glu Ile His Pro Ser Cys Val Thr Arg Gln
            580                 585                 590

Lys Val Ile Gly Ala Gly Glu Phe Gly Glu Val Tyr Lys Gly Met Leu
        595                 600                 605

Lys Thr Ser Ser Gly Lys Lys Glu Val Pro Val Ala Ile Lys Thr Leu
    610                 615                 620

Lys Ala Gly Tyr Thr Glu Lys Gln Arg Val Asp Phe Leu Gly Glu Ala
625                 630                 635                 640

Gly Ile Met Gly Gln Phe Ser His His Asn Ile Ile Arg Leu Glu Gly
```

```
                645                 650                 655

Val Ile Ser Lys Tyr Lys Pro Met Met Ile Ile Thr Glu Tyr Met Glu
            660                 665                 670

Asn Gly Ala Leu Asp Lys Phe Leu Arg Glu Lys Asp Gly Glu Phe Ser
        675                 680                 685

Val Leu Gln Leu Val Gly Met Leu Arg Gly Ile Ala Ala Gly Met Lys
    690                 695                 700

Tyr Leu Ala Asn Met Asn Tyr Val His Arg Asp Leu Ala Ala Arg Asn
705                 710                 715                 720

Ile Leu Val Asn Ser Asn Leu Val Cys Lys Val Ser Asp Phe Gly Leu
                725                 730                 735

Ser Arg Val Leu Glu Asp Asp Pro Glu Ala Thr Tyr Thr Thr Ser Gly
            740                 745                 750

Gly Lys Ile Pro Ile Arg Trp Thr Ala Pro Glu Ala Ile Ser Tyr Arg
        755                 760                 765

Lys Phe Thr Ser Ala Ser Asp Val Trp Ser Phe Gly Ile Val Met Trp
    770                 775                 780

Glu Val Met Thr Tyr Gly Glu Arg Pro Tyr Trp Glu Leu Ser Asn His
785                 790                 795                 800

Glu Val Met Lys Ala Ile Asn Asp Gly Phe Arg Leu Pro Thr Pro Met
                805                 810                 815

Asp Cys Pro Ser Ala Ile Tyr Gln Leu Met Met Gln Cys Trp Gln Gln
            820                 825                 830

Glu Arg Ala Arg Arg Pro Lys Phe Ala Asp Ile Val Ser Ile Leu Asp
        835                 840                 845
```

```
Lys Leu Ile Arg Ala Pro Asp Ser Leu Lys Thr Leu Ala Asp Phe Asp
    850                 855                 860

Pro Arg Val Ser Ile Arg Leu Pro Ser Thr Ser Gly Ser Glu Gly Val
865                 870                 875                 880

Pro Phe Arg Thr Val Ser Glu Trp Leu Glu Ser Ile Lys Met Gln Gln
                885                 890                 895

Tyr Thr Glu His Phe Met Ala Ala Gly Tyr Thr Ala Ile Glu Lys Val
            900                 905                 910

Val Gln Met Thr Asn Asp Asp Ile Lys Arg Ile Gly Val Arg Leu Pro
        915                 920                 925

Gly His Gln Lys Arg Ile Ala Tyr Ser Leu Leu Gly Leu Lys Asp Gln
    930                 935                 940

Val Asn Thr Val Gly Ile Pro Ile
945                 950
```

<210> 13
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 13

```
Ser Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
1               5                   10
```

<210> 14
<211> 3774
<212> DNA
<213> Artificial Sequence

<220>
<223> hEphA2 MLM extracted sequence derived from a human sequence

<220>
<221> accession
<222> (1)..(3774)
<223> urn.local...p-9hujrdp

<220>
<221> misc_feature
<222> (45)..(365)
<223> /label="MNDpro"

       /note="Geneious type: promoter uukaryotic"

<220>
<221> sig_peptide
<222> (513.)..(584)
<223> /created_by="kxc091"

       /label="Signal Sequence"

<220>
<221> CDS
<222> (585)..(3440)
<223> /created_by="kxc091"

       /label="hEphA2 coding domain"

<220>
<221> CDS
<222> (3447)..(3476)
<223> /created_by="kxc091"

       /Color="#c3d9ff"

       /modified_by="kxc091"

                     /label="Myc Tag"

<220>
<221> CDS
<222> (3522)..(3548)
<223> /created_by="User"

       /Color="#00ff00"

       /modified_by="kxc091"

                     /label="MBD Motif"

<220>
<221> motif
<222> (3522)..(3554)
<223> motif

<400> 14
gcctatggga atgaaagacc ccacctgtag gtttggcaag ctaggatcaa ggtcaggaac 60

agagaaacag gagaatatgg gccaaacagg atatctgtgg taagcagttc ctgccccgct 120

cagggccaag aacagttgga acaggagaat atgggccaaa caggatatct gtggtaagca 180

gttcctgccc cgctcagggc caagaacaga tggtccccag atgcggtccc gccctcagca 240

gtttctagag aaccatcaga tgtttccagg gtgccccaag gacctgaaat gaccctgtgc 300

cttatttgaa ctaaccaatc agttcgcttc tcgcttctgt tcgcgcgctt ctgctccccg 360

agctctatat aagcagagct ggtttagtga accgtcagat cgcctggaga cgccatccac 420

gctgttttga cctccataga agacaccgac tctagctaga ggatctccta ggaagctggc 480

cgcacaaagt ggtaccggat cccgggtcga ccatggagct ccaggcagcc cgcgcctgct 540

tcgccctgct gtggggctgt gcgctggccg cggccgcggc ggcg cag ggc aag gaa 596
Gln Gly Lys Glu
1

gtg gta ctg ctg gac ttt gct gca gct gga ggg gag ctc ggc tgg ctc 644
Val Val Leu Leu Asp Phe Ala Ala Ala Gly Gly Glu Leu Gly Trp Leu
5 10 15 20

aca cac ccg tat ggc aaa ggg tgg gac ctg atg cag aac atc atg aat 692
Thr His Pro Tyr Gly Lys Gly Trp Asp Leu Met Gln Asn Ile Met Asn
25 30 35

gac atg ccg atc tac atg tac tcc gtg tgc aac gtg atg tct ggc gac 740
Asp Met Pro Ile Tyr Met Tyr Ser Val Cys Asn Val Met Ser Gly Asp
40 45 50

cag gac aac tgg ctc cgc acc aac tgg gtg tac cga gga gag gct gag 788
Gln Asp Asn Trp Leu Arg Thr Asn Trp Val Tyr Arg Gly Glu Ala Glu
55 60 65

cgt atc ttc att gag ctc aag ttt act gta cgt gac tgc aac agc ttc 836
Arg Ile Phe Ile Glu Leu Lys Phe Thr Val Arg Asp Cys Asn Ser Phe
70 75 80

cct ggt ggc gcc agc tcc tgc aag gag act ttc aac ctc tac tat gcc 884
Pro Gly Gly Ala Ser Ser Cys Lys Glu Thr Phe Asn Leu Tyr Tyr Ala

```
85                  90                  95                  100

gag tcg gac ctg gac tac ggc acc aac ttc cag aag cgc ctg ttc acc        932
Glu Ser Asp Leu Asp Tyr Gly Thr Asn Phe Gln Lys Arg Leu Phe Thr
                105                 110                 115

aag att gac acc att gcg ccc gat gag atc acc gtc agc agc gac ttc        980
Lys Ile Asp Thr Ile Ala Pro Asp Glu Ile Thr Val Ser Ser Asp Phe
            120                 125                 130

gag gca cgc cac gtg aag ctg aac gtg gag gag cgc tcc gtg ggg ccg       1028
Glu Ala Arg His Val Lys Leu Asn Val Glu Glu Arg Ser Val Gly Pro
        135                 140                 145

ctc acc cgc aaa ggc ttc tac ctg gcc ttc cag gat atc ggt gcc tgt       1076
Leu Thr Arg Lys Gly Phe Tyr Leu Ala Phe Gln Asp Ile Gly Ala Cys
    150                 155                 160

gtg gcg ctg ctc tcc gtc cgt gtc tac tac aag aag tgc ccc gag ctg       1124
Val Ala Leu Leu Ser Val Arg Val Tyr Tyr Lys Lys Cys Pro Glu Leu
165                 170                 175                 180

ctg cag ggc ctg gcc cac ttc cct gag acc atc gcc ggc tct gat gca       1172
Leu Gln Gly Leu Ala His Phe Pro Glu Thr Ile Ala Gly Ser Asp Ala
                185                 190                 195

cct tcc ctg gcc act gtg gcc ggc acc tgt gtg gac cat gcc gtg gtg       1220
Pro Ser Leu Ala Thr Val Ala Gly Thr Cys Val Asp His Ala Val Val
            200                 205                 210

cca ccg ggg ggt gaa gag ccc cgt atg cac tgt gca gtg gat ggc gag       1268
Pro Pro Gly Gly Glu Glu Pro Arg Met His Cys Ala Val Asp Gly Glu
        215                 220                 225

tgg ctg gtg ccc att ggg cag tgc ctg tgc cag gca ggc tac gag aag       1316
Trp Leu Val Pro Ile Gly Gln Cys Leu Cys Gln Ala Gly Tyr Glu Lys
    230                 235                 240

gtg gag gat gcc tgc cag gcc tgc tcg cct gga ttt ttt aag ttt gag       1364
Val Glu Asp Ala Cys Gln Ala Cys Ser Pro Gly Phe Phe Lys Phe Glu
245                 250                 255                 260

gca tct gag agc ccc tgc ttg gag tgc cct gag cac acg ctg cca tcc       1412
Ala Ser Glu Ser Pro Cys Leu Glu Cys Pro Glu His Thr Leu Pro Ser
                265                 270                 275

cct gag ggt gcc acc tcc tgc gag tgt gag gaa ggc ttc ttc cgg gca       1460
Pro Glu Gly Ala Thr Ser Cys Glu Cys Glu Glu Gly Phe Phe Arg Ala
            280                 285                 290
```

```
cct cag gac cca gcg tcg atg cct tgc aca cga ccc ccc tcc gcc cca       1508
Pro Gln Asp Pro Ala Ser Met Pro Cys Thr Arg Pro Pro Ser Ala Pro
        295                 300                 305

cac tac ctc aca gcc gtg ggc atg ggt gcc aag gtg gag ctg cgc tgg       1556
His Tyr Leu Thr Ala Val Gly Met Gly Ala Lys Val Glu Leu Arg Trp
    310                 315                 320

acg ccc cct cag gac agc ggg ggc cgc gag gac att gtc tac agc gtc       1604
Thr Pro Pro Gln Asp Ser Gly Gly Arg Glu Asp Ile Val Tyr Ser Val
325                 330                 335                 340

acc tgc gaa cag tgc tgg ccc gag tct ggg gaa tgc ggg ccg tgt gag       1652
Thr Cys Glu Gln Cys Trp Pro Glu Ser Gly Glu Cys Gly Pro Cys Glu
                345                 350                 355

gcc agt gtg cgc tac tcg gag cct cct cac gga ctg acc cgc acc agt       1700
Ala Ser Val Arg Tyr Ser Glu Pro Pro His Gly Leu Thr Arg Thr Ser
            360                 365                 370

gtg aca gtg agc gac ctg gag ccc cac atg aac tac acc ttc acc gtg       1748
Val Thr Val Ser Asp Leu Glu Pro His Met Asn Tyr Thr Phe Thr Val
        375                 380                 385

gag gcc cgc aat ggc gtc tca ggc ctg gta acc agc cgc agc ttc cgt       1796
Glu Ala Arg Asn Gly Val Ser Gly Leu Val Thr Ser Arg Ser Phe Arg
    390                 395                 400

act gcc agt gtc agc atc aac cag aca gag ccc ccc aag gtg agg ctg       1844
Thr Ala Ser Val Ser Ile Asn Gln Thr Glu Pro Pro Lys Val Arg Leu
405                 410                 415                 420

gag ggc cgc agc acc acc tcg ctt agc gtc tcc tgg agc atc ccc ccg       1892
Glu Gly Arg Ser Thr Thr Ser Leu Ser Val Ser Trp Ser Ile Pro Pro
                425                 430                 435

ccg cag cag agc cga gtg tgg aag tac gag gtc act tac cgc aag aag       1940
Pro Gln Gln Ser Arg Val Trp Lys Tyr Glu Val Thr Tyr Arg Lys Lys
            440                 445                 450

gga gac tcc aac agc tac aat gtg cgc cgc acc gag ggt ttc tcc gtg       1988
Gly Asp Ser Asn Ser Tyr Asn Val Arg Arg Thr Glu Gly Phe Ser Val
        455                 460                 465

acc ctg gac gac ctg gcc cca gac acc acc tac ctg gtc cag gtg cag       2036
Thr Leu Asp Asp Leu Ala Pro Asp Thr Thr Tyr Leu Val Gln Val Gln
    470                 475                 480

gca ctg acg cag gag ggc cag ggg gcc ggc agc aag gtg cac gaa ttc       2084
Ala Leu Thr Gln Glu Gly Gln Gly Ala Gly Ser Lys Val His Glu Phe
```

```
485                 490                 495                 500

cag acg ctg tcc ccg gag gga tct ggc aac ttg gcg gtg att ggc ggc       2132
Gln Thr Leu Ser Pro Glu Gly Ser Gly Asn Leu Ala Val Ile Gly Gly
                505                 510                 515

gtg gct gtc ggt gtg gtc ctg ctt ctg gtg ctg gca gga gtt ggc ttc       2180
Val Ala Val Gly Val Val Leu Leu Leu Val Leu Ala Gly Val Gly Phe
            520                 525                 530

ttt atc cac cgc agg agg aag aac cag cgt gcc cgc cag tcc ccg gag       2228
Phe Ile His Arg Arg Arg Lys Asn Gln Arg Ala Arg Gln Ser Pro Glu
        535                 540                 545

gac gtt tac ttc tcc aag tca gaa caa ctg aag ccc ctg aag aca tac       2276
Asp Val Tyr Phe Ser Lys Ser Glu Gln Leu Lys Pro Leu Lys Thr Tyr
    550                 555                 560

gtg gac ccc cac aca tat gag gac ccc aac cag gct gtg ttg aag ttc       2324
Val Asp Pro His Thr Tyr Glu Asp Pro Asn Gln Ala Val Leu Lys Phe
565                 570                 575                 580

act acc gag atc cat cca tcc tgt gtc act cgg cag aag gtg atc gga       2372
Thr Thr Glu Ile His Pro Ser Cys Val Thr Arg Gln Lys Val Ile Gly
                585                 590                 595

gca gga gag ttt ggg gag gtg tac aag ggc atg ctg aag aca tcc tcg       2420
Ala Gly Glu Phe Gly Glu Val Tyr Lys Gly Met Leu Lys Thr Ser Ser
            600                 605                 610

ggg aag aag gag gtg ccg gtg gcc atc aag acg ctg aaa gcc ggc tac       2468
Gly Lys Lys Glu Val Pro Val Ala Ile Lys Thr Leu Lys Ala Gly Tyr
        615                 620                 625

aca gag aag cag cga gtg gac ttc ctc ggc gag gcc ggc atc atg ggc       2516
Thr Glu Lys Gln Arg Val Asp Phe Leu Gly Glu Ala Gly Ile Met Gly
    630                 635                 640

cag ttc agc cac cac aac atc atc cgc cta gag ggc gtc atc tcc aaa       2564
Gln Phe Ser His His Asn Ile Ile Arg Leu Glu Gly Val Ile Ser Lys
645                 650                 655                 660

tac aag ccc atg atg atc atc act gag tac atg gag aat ggg gcc ctg       2612
Tyr Lys Pro Met Met Ile Ile Thr Glu Tyr Met Glu Asn Gly Ala Leu
                665                 670                 675

gac aag ttc ctt cgg gag aag gat ggc gag ttc agc gtg ctg cag ctg       2660
Asp Lys Phe Leu Arg Glu Lys Asp Gly Glu Phe Ser Val Leu Gln Leu
            680                 685                 690
```

```
gtg ggc atg ctg cgg ggc atc gca gct ggc atg aag tac ctg gcc aac       2708
Val Gly Met Leu Arg Gly Ile Ala Ala Gly Met Lys Tyr Leu Ala Asn
        695                 700                 705

atg aac tat gtg cac cgt gac ctg gct gcc cgc aac atc ctc gtc aac       2756
Met Asn Tyr Val His Arg Asp Leu Ala Ala Arg Asn Ile Leu Val Asn
    710                 715                 720

agc aac ctg gtc tgc aag gtg tct gac ttt ggc ctg tcc cgc gtg ctg       2804
Ser Asn Leu Val Cys Lys Val Ser Asp Phe Gly Leu Ser Arg Val Leu
725                 730                 735                 740

gag gac gac ccc gag gcc acc tac acc acc agt ggc ggc aag atc ccc       2852
Glu Asp Asp Pro Glu Ala Thr Tyr Thr Thr Ser Gly Gly Lys Ile Pro
                745                 750                 755

atc cgc tgg acc gcc ccg gag gcc att tcc tac cgg aag ttc acc tct       2900
Ile Arg Trp Thr Ala Pro Glu Ala Ile Ser Tyr Arg Lys Phe Thr Ser
            760                 765                 770

gcc agc gac gtg tgg agc ttt ggc att gtc atg tgg gag gtg atg acc       2948
Ala Ser Asp Val Trp Ser Phe Gly Ile Val Met Trp Glu Val Met Thr
        775                 780                 785

tat ggc gag cgg ccc tac tgg gag ttg tcc aac cac gag gtg atg aaa       2996
Tyr Gly Glu Arg Pro Tyr Trp Glu Leu Ser Asn His Glu Val Met Lys
    790                 795                 800

gcc atc aat gat ggc ttc cgg ctc ccc aca ccc atg gac tgc ccc tcc       3044
Ala Ile Asn Asp Gly Phe Arg Leu Pro Thr Pro Met Asp Cys Pro Ser
805                 810                 815                 820

gcc atc tac cag ctc atg atg cag tgc tgg cag cag gag cgt gcc cgc       3092
Ala Ile Tyr Gln Leu Met Met Gln Cys Trp Gln Gln Glu Arg Ala Arg
                825                 830                 835

cgc ccc aag ttc gct gac atc gtc agc atc ctg gac aag ctc att cgt       3140
Arg Pro Lys Phe Ala Asp Ile Val Ser Ile Leu Asp Lys Leu Ile Arg
            840                 845                 850

gcc cct gac tcc ctc aag acc ctg gct gac ttt gac ccc cgc gtg tct       3188
Ala Pro Asp Ser Leu Lys Thr Leu Ala Asp Phe Asp Pro Arg Val Ser
        855                 860                 865

atc cgg ctc ccc agc acg agc ggc tcg gag ggg gtg ccc ttc cgc acg       3236
Ile Arg Leu Pro Ser Thr Ser Gly Ser Glu Gly Val Pro Phe Arg Thr
    870                 875                 880

gtg tcc gag tgg ctg gag tcc atc aag atg cag cag tat acg gag cac       3284
Val Ser Glu Trp Leu Glu Ser Ile Lys Met Gln Gln Tyr Thr Glu His
```

```
885                 890                 895                 900

ttc atg gcg gcc ggc tac act gcc atc gag aag gtg gtg cag atg acc       3332
Phe Met Ala Ala Gly Tyr Thr Ala Ile Glu Lys Val Val Gln Met Thr
                905                 910                 915

aac gac gac atc aag agg att ggg gtg cgg ctg ccc ggc cac cag aag       3380
Asn Asp Asp Ile Lys Arg Ile Gly Val Arg Leu Pro Gly His Gln Lys
            920                 925                 930

cgc atc gcc tac agc ctg ctg gga ctc aag gac cag gtg aac act gtg       3428
Arg Ile Ala Tyr Ser Leu Leu Gly Leu Lys Asp Gln Val Asn Thr Val
        935                 940                 945

ggg atc ccc atc gggaat tca gaa caa aaa ctc atc tca gaa gaa gat        3476
Gly Ile Pro Ile        Ser Glu Gln Lys Leu Ile Ser Glu Glu Asp
    950                         955                 960

ggaggcggcg ggtcaggtgg aggtggctct ggcggtggcg gttct tgt tgg acg ctg     3533
                                                Cys Trp Thr Leu
                                                        965

gat cgg ggg tat tgc tcctaattcc gactcactat agggcgaatt aattccggag       3588
Asp Arg Gly Tyr Cys
            970

atctctagat ccggagagac gatggcagga gccgcgcata tatacgcttg gagccagccc     3648

gccctcacag ggcgggccgc ctcgggggcg ggactggcca atcggcggcc gccagcgcgg     3708

cggggcccgg ccaaccagcg tccgccgagt cttcggggcc cggcccattg ggcgggagtt     3768

accgcc                                                               3774
```

<210> 15
<211> 952
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 15

```
Gln Gly Lys Glu Val Val Leu Leu Asp Phe Ala Ala Ala Gly Gly Glu
1               5                   10                  15


Leu Gly Trp Leu Thr His Pro Tyr Gly Lys Gly Trp Asp Leu Met Gln
```

```
            20                  25                  30

Asn Ile Met Asn Asp Met Pro Ile Tyr Met Tyr Ser Val Cys Asn Val
        35                  40                  45

Met Ser Gly Asp Gln Asp Asn Trp Leu Arg Thr Asn Trp Val Tyr Arg
    50                  55                  60

Gly Glu Ala Glu Arg Ile Phe Ile Glu Leu Lys Phe Thr Val Arg Asp
65                  70                  75                  80

Cys Asn Ser Phe Pro Gly Gly Ala Ser Ser Cys Lys Glu Thr Phe Asn
                85                  90                  95

Leu Tyr Tyr Ala Glu Ser Asp Leu Asp Tyr Gly Thr Asn Phe Gln Lys
            100                 105                 110

Arg Leu Phe Thr Lys Ile Asp Thr Ile Ala Pro Asp Glu Ile Thr Val
        115                 120                 125

Ser Ser Asp Phe Glu Ala Arg His Val Lys Leu Asn Val Glu Glu Arg
    130                 135                 140

Ser Val Gly Pro Leu Thr Arg Lys Gly Phe Tyr Leu Ala Phe Gln Asp
145                 150                 155                 160

Ile Gly Ala Cys Val Ala Leu Leu Ser Val Arg Val Tyr Tyr Lys Lys
                165                 170                 175

Cys Pro Glu Leu Leu Gln Gly Leu Ala His Phe Pro Glu Thr Ile Ala
            180                 185                 190

Gly Ser Asp Ala Pro Ser Leu Ala Thr Val Ala Gly Thr Cys Val Asp
        195                 200                 205

His Ala Val Val Pro Pro Gly Gly Glu Glu Pro Arg Met His Cys Ala
    210                 215                 220
```

```
Val Asp Gly Glu Trp Leu Val Pro Ile Gly Gln Cys Leu Cys Gln Ala
225                 230                 235                 240

Gly Tyr Glu Lys Val Glu Asp Ala Cys Gln Ala Cys Ser Pro Gly Phe
                245                 250                 255

Phe Lys Phe Glu Ala Ser Glu Ser Pro Cys Leu Glu Cys Pro Glu His
            260                 265                 270

Thr Leu Pro Ser Pro Glu Gly Ala Thr Ser Cys Glu Cys Glu Glu Gly
        275                 280                 285

Phe Phe Arg Ala Pro Gln Asp Pro Ala Ser Met Pro Cys Thr Arg Pro
    290                 295                 300

Pro Ser Ala Pro His Tyr Leu Thr Ala Val Gly Met Gly Ala Lys Val
305                 310                 315                 320

Glu Leu Arg Trp Thr Pro Pro Gln Asp Ser Gly Gly Arg Glu Asp Ile
                325                 330                 335

Val Tyr Ser Val Thr Cys Glu Gln Cys Trp Pro Glu Ser Gly Glu Cys
            340                 345                 350

Gly Pro Cys Glu Ala Ser Val Arg Tyr Ser Glu Pro Pro His Gly Leu
        355                 360                 365

Thr Arg Thr Ser Val Thr Val Ser Asp Leu Glu Pro His Met Asn Tyr
    370                 375                 380

Thr Phe Thr Val Glu Ala Arg Asn Gly Val Ser Gly Leu Val Thr Ser
385                 390                 395                 400

Arg Ser Phe Arg Thr Ala Ser Val Ser Ile Asn Gln Thr Glu Pro Pro
                405                 410                 415

Lys Val Arg Leu Glu Gly Arg Ser Thr Thr Ser Leu Ser Val Ser Trp
```

```
            420                 425                 430

Ser Ile Pro Pro Pro Gln Gln Ser Arg Val Trp Lys Tyr Glu Val Thr
        435                 440                 445

Tyr Arg Lys Lys Gly Asp Ser Asn Ser Tyr Asn Val Arg Arg Thr Glu
    450                 455                 460

Gly Phe Ser Val Thr Leu Asp Asp Leu Ala Pro Asp Thr Thr Tyr Leu
465                 470                 475                 480

Val Gln Val Gln Ala Leu Thr Gln Glu Gly Gln Gly Ala Gly Ser Lys
                485                 490                 495

Val His Glu Phe Gln Thr Leu Ser Pro Glu Gly Ser Gly Asn Leu Ala
            500                 505                 510

Val Ile Gly Gly Val Ala Val Gly Val Val Leu Leu Leu Val Leu Ala
        515                 520                 525

Gly Val Gly Phe Phe Ile His Arg Arg Arg Lys Asn Gln Arg Ala Arg
    530                 535                 540

Gln Ser Pro Glu Asp Val Tyr Phe Ser Lys Ser Glu Gln Leu Lys Pro
545                 550                 555                 560

Leu Lys Thr Tyr Val Asp Pro His Thr Tyr Glu Asp Pro Asn Gln Ala
                565                 570                 575

Val Leu Lys Phe Thr Thr Glu Ile His Pro Ser Cys Val Thr Arg Gln
            580                 585                 590

Lys Val Ile Gly Ala Gly Glu Phe Gly Glu Val Tyr Lys Gly Met Leu
        595                 600                 605

Lys Thr Ser Ser Gly Lys Lys Glu Val Pro Val Ala Ile Lys Thr Leu
    610                 615                 620
```

```
Lys Ala Gly Tyr Thr Glu Lys Gln Arg Val Asp Phe Leu Gly Glu Ala
625                 630                 635                 640

Gly Ile Met Gly Gln Phe Ser His His Asn Ile Ile Arg Leu Glu Gly
                645                 650                 655

Val Ile Ser Lys Tyr Lys Pro Met Met Ile Ile Thr Glu Tyr Met Glu
            660                 665                 670

Asn Gly Ala Leu Asp Lys Phe Leu Arg Glu Lys Asp Gly Glu Phe Ser
        675                 680                 685

Val Leu Gln Leu Val Gly Met Leu Arg Gly Ile Ala Ala Gly Met Lys
    690                 695                 700

Tyr Leu Ala Asn Met Asn Tyr Val His Arg Asp Leu Ala Ala Arg Asn
705                 710                 715                 720

Ile Leu Val Asn Ser Asn Leu Val Cys Lys Val Ser Asp Phe Gly Leu
                725                 730                 735

Ser Arg Val Leu Glu Asp Asp Pro Glu Ala Thr Tyr Thr Thr Ser Gly
            740                 745                 750

Gly Lys Ile Pro Ile Arg Trp Thr Ala Pro Glu Ala Ile Ser Tyr Arg
        755                 760                 765

Lys Phe Thr Ser Ala Ser Asp Val Trp Ser Phe Gly Ile Val Met Trp
    770                 775                 780

Glu Val Met Thr Tyr Gly Glu Arg Pro Tyr Trp Glu Leu Ser Asn His
785                 790                 795                 800

Glu Val Met Lys Ala Ile Asn Asp Gly Phe Arg Leu Pro Thr Pro Met
                805                 810                 815

Asp Cys Pro Ser Ala Ile Tyr Gln Leu Met Met Gln Cys Trp Gln Gln
```

```
            820                 825                 830

Glu Arg Ala Arg Arg Pro Lys Phe Ala Asp Ile Val Ser Ile Leu Asp
        835                 840                 845

Lys Leu Ile Arg Ala Pro Asp Ser Leu Lys Thr Leu Ala Asp Phe Asp
    850                 855                 860

Pro Arg Val Ser Ile Arg Leu Pro Ser Thr Ser Gly Ser Glu Gly Val
865                 870                 875                 880

Pro Phe Arg Thr Val Ser Glu Trp Leu Glu Ser Ile Lys Met Gln Gln
                885                 890                 895

Tyr Thr Glu His Phe Met Ala Ala Gly Tyr Thr Ala Ile Glu Lys Val
            900                 905                 910

Val Gln Met Thr Asn Asp Asp Ile Lys Arg Ile Gly Val Arg Leu Pro
        915                 920                 925

Gly His Gln Lys Arg Ile Ala Tyr Ser Leu Leu Gly Leu Lys Asp Gln
    930                 935                 940

Val Asn Thr Val Gly Ile Pro Ile
945                 950
```

<210> 16
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 16

```
Ser Glu Gln Lys Leu Ile Ser Glu Glu Asp
1               5                   10
```

<210> 17

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 17

Cys Trp Thr Leu Asp Arg Gly Tyr Cys
1   5

<210> 18
<211> 3782
<212> DNA
<213> Artificial Sequence

<220>
<223>   hEphA2 GPNMB target derived from a human sequence

<220>
<221> accession
<222> (1)..(3782)
<223> urn.local...x-9hukqa3

<220>
<221> misc_feature
<222> (45)..(365)
<223> /label="MNDpro"

       /note="Geneious type: promoter uukaryotic"

<220>
<221> sig_peptide
<222> (513)..(584)
<223> /created_by="kxc091"

       /label="Signal Sequence"

<220>
<221> CDS
<222> (585)..(620)
<223> /Sequence="DTLVTRSNFSFK"

       /Color="#ff0000"

       /modified_by="kxc091"

/label="GPNMB target motif "

<220>
<221> CDS
<222> (621)..(3476)
<223> /created_by="kxc091"

/label="hEphA2 coding domain"

<220>
<221> CDS
<222> (3483)..(3515)
<223> /Color="#c3d9ff"

/modified_by="kxc091"

/label="Myc Tag"

<220>
<221> motif
<222> (3558)..(3560)
<223> /created_by="User"

/modified_by="kxc091"

/label="STOP"

<220>
<221> motif
<222> (3558)..(3560)
<223> /created_by="User"

/modified_by="kxc091"

/label="STOP"

<400> 18
gcctatggga atgaaagacc ccacctgtag gtttggcaag ctaggatcaa ggtcaggaac 60

agagaaacag gagaatatgg gccaaacagg atatctgtgg taagcagttc ctgccccgct 120

cagggccaag aacagttgga acaggagaat atgggccaaa caggatatct gtggtaagca 180

gttcctgccc cgctcagggc caagaacaga tggtccccag atgcggtccc gccctcagca 240

gtttctagag aaccatcaga tgtttccagg gtgccccaag gacctgaaat gaccctgtgc 300

cttatttgaa ctaaccaatc agttcgcttc tcgcttctgt tcgcgcgctt ctgctccccg 360

agctctatat aagcagagct ggtttagtga accgtcagat cgcctggaga cgccatccac 420

```
gctgttttga cctccataga agacaccgac tctagctaga ggatctccta ggaagctggc      480

cgcacaaagt ggtaccggat cccgggtcga ccatggagct ccaggcagcc cgcgcctgct      540

tcgccctgct gtggggctgt gcgctggccg cggccgcggc ggcg gat act ctt gtg       596
                                              Asp Thr Leu Val
                                              1

acg cgt tcg aat ttt tct ttt aag cag ggc aag gaa gtg gta ctg ctg        644
Thr Arg Ser Asn Phe Ser Phe Lys Gln Gly Lys Glu Val Val Leu Leu
5                   10                  15                  20

gac ttt gct gca gct gga ggg gag ctc ggc tgg ctc aca cac ccg tat        692
Asp Phe Ala Ala Ala Gly Gly Glu Leu Gly Trp Leu Thr His Pro Tyr
                25                  30                  35

ggc aaa ggg tgg gac ctg atg cag aac atc atg aat gac atg ccg atc        740
Gly Lys Gly Trp Asp Leu Met Gln Asn Ile Met Asn Asp Met Pro Ile
            40                  45                  50

tac atg tac tcc gtg tgc aac gtg atg tct ggc gac cag gac aac tgg        788
Tyr Met Tyr Ser Val Cys Asn Val Met Ser Gly Asp Gln Asp Asn Trp
        55                  60                  65

ctc cgc acc aac tgg gtg tac cga gga gag gct gag cgt atc ttc att        836
Leu Arg Thr Asn Trp Val Tyr Arg Gly Glu Ala Glu Arg Ile Phe Ile
    70                  75                  80

gag ctc aag ttt act gta cgt gac tgc aac agc ttc cct ggt ggc gcc        884
Glu Leu Lys Phe Thr Val Arg Asp Cys Asn Ser Phe Pro Gly Gly Ala
85                  90                  95                  100

agc tcc tgc aag gag act ttc aac ctc tac tat gcc gag tcg gac ctg        932
Ser Ser Cys Lys Glu Thr Phe Asn Leu Tyr Tyr Ala Glu Ser Asp Leu
                105                 110                 115

gac tac ggc acc aac ttc cag aag cgc ctg ttc acc aag att gac acc        980
Asp Tyr Gly Thr Asn Phe Gln Lys Arg Leu Phe Thr Lys Ile Asp Thr
            120                 125                 130

att gcg ccc gat gag atc acc gtc agc agc gac ttc gag gca cgc cac       1028
Ile Ala Pro Asp Glu Ile Thr Val Ser Ser Asp Phe Glu Ala Arg His
        135                 140                 145

gtg aag ctg aac gtg gag gag cgc tcc gtg ggg ccg ctc acc cgc aaa       1076
Val Lys Leu Asn Val Glu Glu Arg Ser Val Gly Pro Leu Thr Arg Lys
    150                 155                 160

ggc ttc tac ctg gcc ttc cag gat atc ggt gcc tgt gtg gcg ctg ctc       1124
```

```
Gly Phe Tyr Leu Ala Phe Gln Asp Ile Gly Ala Cys Val Ala Leu Leu
165                 170                 175                 180

tcc gtc cgt gtc tac tac aag aag tgc ccc gag ctg ctg cag ggc ctg       1172
Ser Val Arg Val Tyr Tyr Lys Lys Cys Pro Glu Leu Leu Gln Gly Leu
                185                 190                 195

gcc cac ttc cct gag acc atc gcc ggc tct gat gca cct tcc ctg gcc       1220
Ala His Phe Pro Glu Thr Ile Ala Gly Ser Asp Ala Pro Ser Leu Ala
            200                 205                 210

act gtg gcc ggc acc tgt gtg gac cat gcc gtg gtg cca ccg ggg ggt       1268
Thr Val Ala Gly Thr Cys Val Asp His Ala Val Val Pro Pro Gly Gly
        215                 220                 225

gaa gag ccc cgt atg cac tgt gca gtg gat ggc gag tgg ctg gtg ccc       1316
Glu Glu Pro Arg Met His Cys Ala Val Asp Gly Glu Trp Leu Val Pro
    230                 235                 240

att ggg cag tgc ctg tgc cag gca ggc tac gag aag gtg gag gat gcc       1364
Ile Gly Gln Cys Leu Cys Gln Ala Gly Tyr Glu Lys Val Glu Asp Ala
245                 250                 255                 260

tgc cag gcc tgc tcg cct gga ttt ttt aag ttt gag gca tct gag agc       1412
Cys Gln Ala Cys Ser Pro Gly Phe Phe Lys Phe Glu Ala Ser Glu Ser
                265                 270                 275

ccc tgc ttg gag tgc cct gag cac acg ctg cca tcc cct gag ggt gcc       1460
Pro Cys Leu Glu Cys Pro Glu His Thr Leu Pro Ser Pro Glu Gly Ala
            280                 285                 290

acc tcc tgc gag tgt gag gaa ggc ttc ttc cgg gca cct cag gac cca       1508
Thr Ser Cys Glu Cys Glu Glu Gly Phe Phe Arg Ala Pro Gln Asp Pro
        295                 300                 305

gcg tcg atg cct tgc aca cga ccc ccc tcc gcc cca cac tac ctc aca       1556
Ala Ser Met Pro Cys Thr Arg Pro Pro Ser Ala Pro His Tyr Leu Thr
    310                 315                 320

gcc gtg ggc atg ggt gcc aag gtg gag ctg cgc tgg acg ccc cct cag       1604
Ala Val Gly Met Gly Ala Lys Val Glu Leu Arg Trp Thr Pro Pro Gln
325                 330                 335                 340

gac agc ggg ggc cgc gag gac att gtc tac agc gtc acc tgc gaa cag       1652
Asp Ser Gly Gly Arg Glu Asp Ile Val Tyr Ser Val Thr Cys Glu Gln
                345                 350                 355

tgc tgg ccc gag tct ggg gaa tgc ggg ccg tgt gag gcc agt gtg cgc       1700
Cys Trp Pro Glu Ser Gly Glu Cys Gly Pro Cys Glu Ala Ser Val Arg
            360                 365                 370
```

```
tac tcg gag cct cct cac gga ctg acc cgc acc agt gtg aca gtg agc       1748
Tyr Ser Glu Pro Pro His Gly Leu Thr Arg Thr Ser Val Thr Val Ser
        375                 380                 385

gac ctg gag ccc cac atg aac tac acc ttc acc gtg gag gcc cgc aat       1796
Asp Leu Glu Pro His Met Asn Tyr Thr Phe Thr Val Glu Ala Arg Asn
    390                 395                 400

ggc gtc tca ggc ctg gta acc agc cgc agc ttc cgt act gcc agt gtc       1844
Gly Val Ser Gly Leu Val Thr Ser Arg Ser Phe Arg Thr Ala Ser Val
405                 410                 415                 420

agc atc aac cag aca gag ccc ccc aag gtg agg ctg gag ggc cgc agc       1892
Ser Ile Asn Gln Thr Glu Pro Pro Lys Val Arg Leu Glu Gly Arg Ser
                425                 430                 435

acc acc tcg ctt agc gtc tcc tgg agc atc ccc ccg ccg cag cag agc       1940
Thr Thr Ser Leu Ser Val Ser Trp Ser Ile Pro Pro Pro Gln Gln Ser
            440                 445                 450

cga gtg tgg aag tac gag gtc act tac cgc aag aag gga gac tcc aac       1988
Arg Val Trp Lys Tyr Glu Val Thr Tyr Arg Lys Lys Gly Asp Ser Asn
        455                 460                 465

agc tac aat gtg cgc cgc acc gag ggt ttc tcc gtg acc ctg gac gac       2036
Ser Tyr Asn Val Arg Arg Thr Glu Gly Phe Ser Val Thr Leu Asp Asp
    470                 475                 480

ctg gcc cca gac acc acc tac ctg gtc cag gtg cag gca ctg acg cag       2084
Leu Ala Pro Asp Thr Thr Tyr Leu Val Gln Val Gln Ala Leu Thr Gln
485                 490                 495                 500

gag ggc cag ggg gcc ggc agc aag gtg cac gaa ttc cag acg ctg tcc       2132
Glu Gly Gln Gly Ala Gly Ser Lys Val His Glu Phe Gln Thr Leu Ser
                505                 510                 515

ccg gag gga tct ggc aac ttg gcg gtg att ggc ggc gtg gct gtc ggt       2180
Pro Glu Gly Ser Gly Asn Leu Ala Val Ile Gly Gly Val Ala Val Gly
            520                 525                 530

gtg gtc ctg ctt ctg gtg ctg gca gga gtt ggc ttc ttt atc cac cgc       2228
Val Val Leu Leu Leu Val Leu Ala Gly Val Gly Phe Phe Ile His Arg
        535                 540                 545

agg agg aag aac cag cgt gcc cgc cag tcc ccg gag gac gtt tac ttc       2276
Arg Arg Lys Asn Gln Arg Ala Arg Gln Ser Pro Glu Asp Val Tyr Phe
    550                 555                 560

tcc aag tca gaa caa ctg aag ccc ctg aag aca tac gtg gac ccc cac       2324
```

```
Ser Lys Ser Glu Gln Leu Lys Pro Leu Lys Thr Tyr Val Asp Pro His
565                 570                 575                 580

aca tat gag gac ccc aac cag gct gtg ttg aag ttc act acc gag atc       2372
Thr Tyr Glu Asp Pro Asn Gln Ala Val Leu Lys Phe Thr Thr Glu Ile
                585                 590                 595

cat cca tcc tgt gtc act cgg cag aag gtg atc gga gca gga gag ttt       2420
His Pro Ser Cys Val Thr Arg Gln Lys Val Ile Gly Ala Gly Glu Phe
            600                 605                 610

ggg gag gtg tac aag ggc atg ctg aag aca tcc tcg ggg aag aag gag       2468
Gly Glu Val Tyr Lys Gly Met Leu Lys Thr Ser Ser Gly Lys Lys Glu
        615                 620                 625

gtg ccg gtg gcc atc aag acg ctg aaa gcc ggc tac aca gag aag cag       2516
Val Pro Val Ala Ile Lys Thr Leu Lys Ala Gly Tyr Thr Glu Lys Gln
    630                 635                 640

cga gtg gac ttc ctc ggc gag gcc ggc atc atg ggc cag ttc agc cac       2564
Arg Val Asp Phe Leu Gly Glu Ala Gly Ile Met Gly Gln Phe Ser His
645                 650                 655                 660

cac aac atc atc cgc cta gag ggc gtc atc tcc aaa tac aag ccc atg       2612
His Asn Ile Ile Arg Leu Glu Gly Val Ile Ser Lys Tyr Lys Pro Met
                665                 670                 675

atg atc atc act gag tac atg gag aat ggg gcc ctg gac aag ttc ctt       2660
Met Ile Ile Thr Glu Tyr Met Glu Asn Gly Ala Leu Asp Lys Phe Leu
            680                 685                 690

cgg gag aag gat ggc gag ttc agc gtg ctg cag ctg gtg ggc atg ctg       2708
Arg Glu Lys Asp Gly Glu Phe Ser Val Leu Gln Leu Val Gly Met Leu
        695                 700                 705

cgg ggc atc gca gct ggc atg aag tac ctg gcc aac atg aac tat gtg       2756
Arg Gly Ile Ala Ala Gly Met Lys Tyr Leu Ala Asn Met Asn Tyr Val
    710                 715                 720

cac cgt gac ctg gct gcc cgc aac atc ctc gtc aac agc aac ctg gtc       2804
His Arg Asp Leu Ala Ala Arg Asn Ile Leu Val Asn Ser Asn Leu Val
725                 730                 735                 740

tgc aag gtg tct gac ttt ggc ctg tcc cgc gtg ctg gag gac gac ccc       2852
Cys Lys Val Ser Asp Phe Gly Leu Ser Arg Val Leu Glu Asp Asp Pro
                745                 750                 755

gag gcc acc tac acc acc agt ggc ggc aag atc ccc atc cgc tgg acc       2900
Glu Ala Thr Tyr Thr Thr Ser Gly Gly Lys Ile Pro Ile Arg Trp Thr
            760                 765                 770
```

```
gcc ccg gag gcc att tcc tac cgg aag ttc acc tct gcc agc gac gtg       2948
Ala Pro Glu Ala Ile Ser Tyr Arg Lys Phe Thr Ser Ala Ser Asp Val
        775                 780                 785

tgg agc ttt ggc att gtc atg tgg gag gtg atg acc tat ggc gag cgg       2996
Trp Ser Phe Gly Ile Val Met Trp Glu Val Met Thr Tyr Gly Glu Arg
    790                 795                 800

ccc tac tgg gag ttg tcc aac cac gag gtg atg aaa gcc atc aat gat       3044
Pro Tyr Trp Glu Leu Ser Asn His Glu Val Met Lys Ala Ile Asn Asp
805                 810                 815                 820

ggc ttc cgg ctc ccc aca ccc atg gac tgc ccc tcc gcc atc tac cag       3092
Gly Phe Arg Leu Pro Thr Pro Met Asp Cys Pro Ser Ala Ile Tyr Gln
                825                 830                 835

ctc atg atg cag tgc tgg cag cag gag cgt gcc cgc cgc ccc aag ttc       3140
Leu Met Met Gln Cys Trp Gln Gln Glu Arg Ala Arg Arg Pro Lys Phe
            840                 845                 850

gct gac atc gtc agc atc ctg gac aag ctc att cgt gcc cct gac tcc       3188
Ala Asp Ile Val Ser Ile Leu Asp Lys Leu Ile Arg Ala Pro Asp Ser
        855                 860                 865

ctc aag acc ctg gct gac ttt gac ccc cgc gtg tct atc cgg ctc ccc       3236
Leu Lys Thr Leu Ala Asp Phe Asp Pro Arg Val Ser Ile Arg Leu Pro
    870                 875                 880

agc acg agc ggc tcg gag ggg gtg ccc ttc cgc acg gtg tcc gag tgg       3284
Ser Thr Ser Gly Ser Glu Gly Val Pro Phe Arg Thr Val Ser Glu Trp
885                 890                 895                 900

ctg gag tcc atc aag atg cag cag tat acg gag cac ttc atg gcg gcc       3332
Leu Glu Ser Ile Lys Met Gln Gln Tyr Thr Glu His Phe Met Ala Ala
                905                 910                 915

ggc tac act gcc atc gag aag gtg gtg cag atg acc aac gac gac atc       3380
Gly Tyr Thr Ala Ile Glu Lys Val Val Gln Met Thr Asn Asp Asp Ile
            920                 925                 930

aag agg att ggg gtg cgg ctg ccc ggc cac cag aag cgc atc gcc tac       3428
Lys Arg Ile Gly Val Arg Leu Pro Gly His Gln Lys Arg Ile Ala Tyr
        935                 940                 945

agc ctg ctg gga ctc aag gac cag gtg aac act gtg ggg atc ccc atc       3476
Ser Leu Leu Gly Leu Lys Asp Gln Val Asn Thr Val Gly Ile Pro Ile
    950                 955                 960

gggaat tca gaa caa aaa ctc atc tca gaa gaa gat cta ggaggcggcg         3525
```

```
       Ser Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
       965                 970                 975

ggtcaggtgg aggtggctct ggcggtggcg gttaaaattc cgactcacta tagggcgaat     3585

taattccgga gatctctaga tccggagaga cgatggcagg agccgcgcat atatacgctt     3645

ggagccagcc cgccctcaca gggcgggccg cctcgggggc gggactggcc aatcggcggc     3705

cgccagcgcg gcggggcccg gccaaccagc gtccgccgag tcttcggggc ccggcccatt     3765

gggcgggagt taccgcc                                                   3782


<210>  19
<211>  12
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  19

Asp Thr Leu Val Thr Arg Ser Asn Phe Ser Phe Lys
1               5                   10


<210>  20
<211>  952
<212>  PRT
<213>  Artificial Sequence

<220>
<223>  Synthetic Construct

<400>  20

Gln Gly Lys Glu Val Val Leu Leu Asp Phe Ala Ala Ala Gly Gly Glu
1               5                   10                  15


Leu Gly Trp Leu Thr His Pro Tyr Gly Lys Gly Trp Asp Leu Met Gln
            20                  25                  30


Asn Ile Met Asn Asp Met Pro Ile Tyr Met Tyr Ser Val Cys Asn Val
        35                  40                  45
```

```
Met Ser Gly Asp Gln Asp Asn Trp Leu Arg Thr Asn Trp Val Tyr Arg
    50                  55                  60

Gly Glu Ala Glu Arg Ile Phe Ile Glu Leu Lys Phe Thr Val Arg Asp
65                  70                  75                  80

Cys Asn Ser Phe Pro Gly Gly Ala Ser Ser Cys Lys Glu Thr Phe Asn
                85                  90                  95

Leu Tyr Tyr Ala Glu Ser Asp Leu Asp Tyr Gly Thr Asn Phe Gln Lys
            100                 105                 110

Arg Leu Phe Thr Lys Ile Asp Thr Ile Ala Pro Asp Glu Ile Thr Val
        115                 120                 125

Ser Ser Asp Phe Glu Ala Arg His Val Lys Leu Asn Val Glu Glu Arg
    130                 135                 140

Ser Val Gly Pro Leu Thr Arg Lys Gly Phe Tyr Leu Ala Phe Gln Asp
145                 150                 155                 160

Ile Gly Ala Cys Val Ala Leu Leu Ser Val Arg Val Tyr Tyr Lys Lys
                165                 170                 175

Cys Pro Glu Leu Leu Gln Gly Leu Ala His Phe Pro Glu Thr Ile Ala
            180                 185                 190

Gly Ser Asp Ala Pro Ser Leu Ala Thr Val Ala Gly Thr Cys Val Asp
        195                 200                 205

His Ala Val Val Pro Pro Gly Gly Glu Glu Pro Arg Met His Cys Ala
    210                 215                 220

Val Asp Gly Glu Trp Leu Val Pro Ile Gly Gln Cys Leu Cys Gln Ala
225                 230                 235                 240

Gly Tyr Glu Lys Val Glu Asp Ala Cys Gln Ala Cys Ser Pro Gly Phe
                245                 250                 255
```

```
Phe Lys Phe Glu Ala Ser Glu Ser Pro Cys Leu Glu Cys Pro Glu His
            260                 265                 270

Thr Leu Pro Ser Pro Glu Gly Ala Thr Ser Cys Glu Cys Glu Glu Gly
        275                 280                 285

Phe Phe Arg Ala Pro Gln Asp Pro Ala Ser Met Pro Cys Thr Arg Pro
    290                 295                 300

Pro Ser Ala Pro His Tyr Leu Thr Ala Val Gly Met Gly Ala Lys Val
305                 310                 315                 320

Glu Leu Arg Trp Thr Pro Pro Gln Asp Ser Gly Gly Arg Glu Asp Ile
                325                 330                 335

Val Tyr Ser Val Thr Cys Glu Gln Cys Trp Pro Glu Ser Gly Glu Cys
            340                 345                 350

Gly Pro Cys Glu Ala Ser Val Arg Tyr Ser Glu Pro Pro His Gly Leu
        355                 360                 365

Thr Arg Thr Ser Val Thr Val Ser Asp Leu Glu Pro His Met Asn Tyr
    370                 375                 380

Thr Phe Thr Val Glu Ala Arg Asn Gly Val Ser Gly Leu Val Thr Ser
385                 390                 395                 400

Arg Ser Phe Arg Thr Ala Ser Val Ser Ile Asn Gln Thr Glu Pro Pro
                405                 410                 415

Lys Val Arg Leu Glu Gly Arg Ser Thr Thr Ser Leu Ser Val Ser Trp
            420                 425                 430

Ser Ile Pro Pro Pro Gln Gln Ser Arg Val Trp Lys Tyr Glu Val Thr
        435                 440                 445
```

```
Tyr Arg Lys Lys Gly Asp Ser Asn Ser Tyr Asn Val Arg Arg Thr Glu
    450                 455                 460

Gly Phe Ser Val Thr Leu Asp Asp Leu Ala Pro Asp Thr Thr Tyr Leu
465                 470                 475                 480

Val Gln Val Gln Ala Leu Thr Gln Glu Gly Gln Gly Ala Gly Ser Lys
                485                 490                 495

Val His Glu Phe Gln Thr Leu Ser Pro Glu Gly Ser Gly Asn Leu Ala
            500                 505                 510

Val Ile Gly Gly Val Ala Val Gly Val Val Leu Leu Leu Val Leu Ala
        515                 520                 525

Gly Val Gly Phe Phe Ile His Arg Arg Arg Lys Asn Gln Arg Ala Arg
    530                 535                 540

Gln Ser Pro Glu Asp Val Tyr Phe Ser Lys Ser Glu Gln Leu Lys Pro
545                 550                 555                 560

Leu Lys Thr Tyr Val Asp Pro His Thr Tyr Glu Asp Pro Asn Gln Ala
                565                 570                 575

Val Leu Lys Phe Thr Thr Glu Ile His Pro Ser Cys Val Thr Arg Gln
            580                 585                 590

Lys Val Ile Gly Ala Gly Glu Phe Gly Glu Val Tyr Lys Gly Met Leu
        595                 600                 605

Lys Thr Ser Ser Gly Lys Lys Glu Val Pro Val Ala Ile Lys Thr Leu
    610                 615                 620

Lys Ala Gly Tyr Thr Glu Lys Gln Arg Val Asp Phe Leu Gly Glu Ala
625                 630                 635                 640

Gly Ile Met Gly Gln Phe Ser His His Asn Ile Ile Arg Leu Glu Gly
                645                 650                 655
```

```
Val Ile Ser Lys Tyr Lys Pro Met Met Ile Ile Thr Glu Tyr Met Glu
            660                 665                 670

Asn Gly Ala Leu Asp Lys Phe Leu Arg Glu Lys Asp Gly Glu Phe Ser
        675                 680                 685

Val Leu Gln Leu Val Gly Met Leu Arg Gly Ile Ala Ala Gly Met Lys
    690                 695                 700

Tyr Leu Ala Asn Met Asn Tyr Val His Arg Asp Leu Ala Ala Arg Asn
705                 710                 715                 720

Ile Leu Val Asn Ser Asn Leu Val Cys Lys Val Ser Asp Phe Gly Leu
                725                 730                 735

Ser Arg Val Leu Glu Asp Asp Pro Glu Ala Thr Tyr Thr Thr Ser Gly
            740                 745                 750

Gly Lys Ile Pro Ile Arg Trp Thr Ala Pro Glu Ala Ile Ser Tyr Arg
        755                 760                 765

Lys Phe Thr Ser Ala Ser Asp Val Trp Ser Phe Gly Ile Val Met Trp
    770                 775                 780

Glu Val Met Thr Tyr Gly Glu Arg Pro Tyr Trp Glu Leu Ser Asn His
785                 790                 795                 800

Glu Val Met Lys Ala Ile Asn Asp Gly Phe Arg Leu Pro Thr Pro Met
                805                 810                 815

Asp Cys Pro Ser Ala Ile Tyr Gln Leu Met Met Gln Cys Trp Gln Gln
            820                 825                 830

Glu Arg Ala Arg Arg Pro Lys Phe Ala Asp Ile Val Ser Ile Leu Asp
        835                 840                 845
```

```
Lys Leu Ile Arg Ala Pro Asp Ser Leu Lys Thr Leu Ala Asp Phe Asp
    850                 855                 860

Pro Arg Val Ser Ile Arg Leu Pro Ser Thr Ser Gly Ser Glu Gly Val
865                 870                 875                 880

Pro Phe Arg Thr Val Ser Glu Trp Leu Glu Ser Ile Lys Met Gln Gln
                885                 890                 895

Tyr Thr Glu His Phe Met Ala Ala Gly Tyr Thr Ala Ile Glu Lys Val
            900                 905                 910

Val Gln Met Thr Asn Asp Asp Ile Lys Arg Ile Gly Val Arg Leu Pro
        915                 920                 925

Gly His Gln Lys Arg Ile Ala Tyr Ser Leu Leu Gly Leu Lys Asp Gln
    930                 935                 940

Val Asn Thr Val Gly Ile Pro Ile
945                 950
```

<210> 21
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<400> 21

```
Ser Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu
1               5                   10
```