Lambda DNA sequence

HindIII:

a|agctt/ttcga|a

BstEII:

g|gtNacc/ccaNtg|g

gggcggcgac ctcgcgggtt ttcgctattt atgaaaattt tccggtttaa ggcgtttccg

ttcttcttcg tcataactta atgtttttat ttaaaatacc ctctgaaaag aaaggaaacg

acaggtgctg aaagcgaggc tttttggcct ctgtcgtttc ctttctctgt ttttgtccgt

ggaatgaaca atggaagtca acaaaaagca gctggctgac attttcggtg cgagtatccg

taccattcag aactggcagg aacagggaat gcccgttctg cgaggcggtg gcaagggtaa

tgaggtgctt tatgactctg ccgccgtcat aaaatggtat gccgaaaggg atgctgaaat

tgagaacgaa aagctgcgcc gggaggttga agaactgcgg caggccagcg aggcagatct

ccagccagga actattgagt acgaacgcca tcgacttacg cgtgcgcagg ccgacgcaca

ggaactgaag aatgccagag actccgctga agtggtggaa accgcattct gtactttcgt

gctgtcgcgg atcgcaggtg aaattgccag tattctcgac gggctccccc tgtcggtgca

gcggcgtttt ccggaactgg aaaaccgaca tgttgatttc ctgaaacggg atatcatcaa

agccatgaac aaagcagccg cgctggatga actgataccg gggttgctga gtgaatatat

cgaacagtca ggttaacagg ctgcggcatt ttgtccgcgc cgggcttcgc tcactgttca

ggccggagcc acagaccgcc gttgaatggg cggatgctaa ttactatctc ccgaaagaat

ccgcatacca ggaagggcgc tgggaaacac tgccctttca gcgggccatc atgaatgcga

tgggcagcga ctacatccgt gaggtgaatg tggtgaagtc tgcccgtgtc ggttattcca

aaatgctgct gggtgtttat gcctacttta tagagcataa gcagcgcaac acccttatct

ggttgccgac ggatggtgat gccgagaact ttatgaaaac ccacgttgag ccgactattc

gtgatattcc gtcgctgctg gcgctggccc cgtggtatgg caaaaagcac cgggataaca

cgctcaccat gaagcgtttc actaatgggc gtggcttctg gtgcctgggc ggtaaagcgg

caaaaaacta ccgtgaaaag tcggtggatg tggcgggtta tgatgaactt gctgcttttg

atgatgatat tgaacaggaa ggctctccga cgttcctggg tgacaagcgt attgaaggct

cggtctggcc aaagtccatc cgtggctcca cgccaaaagt gagaggcacc tgtcagattg

agcgtgcagc cagtgaatcc ccgcatttta tgcgttttca tgttgcctgc ccgcattgcg

gggaggagca gtatcttaaa tttggcgaca aagagacgcc gtttggcctc aaatggacgc

cggatgaccc ctccagcgtg ttttatctct gcgagcataa tgcctgcgtc atccgccagc

aggagctgga ctttactgat gcccgttata tctgcgaaaa gaccgggatc tggacccgtg

atggcattct ctggttttcg tcatccggtg aagagattga gccacctgac agtgtgacct

ttcacatctg gacagcgtac agcccgttca ccacctgggt gcagattgtc aaagactgga

tgaaaacgaa aggggatacg ggaaaacgta aaaccttcgt aaacaccacg ctcggtgaga

cgtgggaggc gaaaattggc gaacgtccgg atgctgaagt gatggcagag cggaaagagc

attattcagc gcccgttcct gaccgtgtgg cttacctgac cgccggtatc gactcccagc

tggaccgcta cgaaatgcgc gtatggggat gggggccggg tgaggaaagc tggctgattg

accggcagat tattatgggc cgccacgacg atgaacagac gctgctgcgt gtggatgagg

ccatcaataa aacctatacc cgccggaatg gtgcagaaat gtcgatatcc cgtatctgct

gggatactgg cgggattgac ccgaccattg tgtatgaacg ctcgaaaaaa catgggctgt

tccgggtgat ccccattaaa ggggcatccg tctacggaaa gccggtggcc agcatgccac

gtaagcgaaa caaaaacggg gtttacctta ccgaaatcgg tacggatacc gcgaaagagc

agatttataa ccgcttcaca ctgacgccgg aaggggatga accgcttccc ggtgccgttc

acttcccgaa taacccggat atttttgatc tgaccgaagc gcagcagctg actgctgaag

agcaggtcga aaaatgggtg gatggcagga aaaaaatact gtgggacagc aaaaagcgac

gcaatgaggc actcgactgc ttcgtttatg cgctggcggc gctgcgcatc agtatttccc

gctggcagct ggatctcagt gcgctgctgg cgagcctgca ggaagaggat ggtgcagcaa

ccaacaagaa aacactggca gattacgccc gtgccttatc cggagaggat gaatgacgcg

acaggaagaa cttgccgctg cccgtgcggc actgcatgac ctgatgacag gtaaacgggt

ggcaacagta cagaaagacg gacgaagggt ggagtttacg gccacttccg tgtctgacct

gaaaaaatat attgcagagc tggaagtgca gaccggcatg acacagcgac gcaggggacc

tgcaggattt tatgtatgaa aacgcccacc attcccaccc ttctggggcc ggacggcatg

acatcgctgc gcgaatatgc cggttatcac ggcggtggca gcggatttgg agggcagttg

cggtcgtgga acccaccgag tgaaagtgtg gatgcagccc tgttgcccaa ctttacccgt

ggcaatgccc gcgcagacga tctggtacgc aataacggct atgccgccaa cgccatccag

ctgcatcagg atcatatcgt cgggtctttt ttccggctca gtcatcgccc aagctggcgc

tatctgggca tcggggagga agaagcccgt gccttttccc gcgaggttga agcggcatgg

aaagagtttg ccgaggatga ctgctgctgc attgacgttg agcgaaaacg cacgtttacc

atgatgattc gggaaggtgt ggccatgcac gcctttaacg gtgaactgtt cgttcaggcc

acctgggata ccagttcgtc gcggcttttc cggacacagt tccggatggt cagcccgaag

cgcatcagca acccgaacaa taccggcgac agccggaact gccgtgccgg tgtgcagatt

aatgacagcg gtgcggcgct gggatattac gtcagcgagg acgggtatcc tggctggatg

ccgcagaaat ggacatggat accccgtgag ttacccggcg ggcgcgcctc gttcattcac

gtttttgaac ccgtggagga cgggcagact cgcggtgcaa atgtgtttta cagcgtgatg

gagcagatga agatgctcga cacgctgcag aacacgcagc tgcagagcgc cattgtgaag

gcgatgtatg ccgccaccat tgagagtgag ctggatacgc agtcagcgat ggattttatt

ctgggcgcga acagtcagga gcagcgggaa aggctgaccg gctggattgg tgaaattgcc

gcgtattacg ccgcagcgcc ggtccggctg ggaggcgcaa aagtaccgca cctgatgccg

ggtgactcac tgaacctgca gacggctcag gatacggata acggctactc cgtgtttgag

cagtcactgc tgcggtatat cgctgccggg ctgggtgtct cgtatgagca gctttcccgg

aattacgccc agatgagcta ctccacggca cgggccagtg cgaacgagtc gtgggcgtac

tttatggggc ggcgaaaatt cgtcgcatcc cgtcaggcga gccagatgtt tctgtgctgg

ctggaagagg ccatcgttcg ccgcgtggtg acgttacctt caaaagcgcg cttcagtttt

caggaagccc gcagtgcctg ggggaactgc gactggatag gctccggtcg tatggccatc

gatggtctga aagaagttca ggaagcggtg atgctgatag aagccggact gagtacctac

gagaaagagt gcgcaaaacg cggtgacgac tatcaggaaa tttttgccca gcaggtccgt

gaaacgatgg agcgccgtgc agccggtctt aaaccgcccg cctgggcggc tgcagcattt

gaatccgggc tgcgacaatc aacagaggag gagaagagtg acagcagagc tgcgtaatct

cccgcatatt gccagcatgg cctttaatga gccgctgatg cttgaacccg cctatgcgcg

ggttttcttt tgtgcgcttg caggccagct tgggatcagc agcctgacgg atgcggtgtc

cggcgacagc ctgactgccc aggaggcact cgcgacgctg gcattatccg gtgatgatga

cggaccacga caggcccgca gttatcaggt catgaacggc atcgccgtgc tgccggtgtc

cggcacgctg gtcagccgga cgcgggcgct gcagccgtac tcggggatga ccggttacaa

cggcattatc gcccgtctgc aacaggctgc cagcgatccg atggtggacg gcattctgct

cgatatggac acgcccggcg ggatggtggc gggggcattt gactgcgctg acatcatcgc

ccgtgtgcgt gacataaaac cggtatgggc gcttgccaac gacatgaact gcagtgcagg

tcagttgctt gccagtgccg cctcccggcg tctggtcacg cagaccgccc ggacaggctc

catcggcgtc atgatggctc acagtaatta cggtgctgcg ctggagaaac agggtgtgga

aatcacgctg atttacagcg gcagccataa ggtggatggc aacccctaca gccatcttcc

ggatgacgtc cgggagacac tgcagtcccg gatggacgca acccgccaga tgtttgcgca

gaaggtgtcg gcatataccg gcctgtccgt gcaggttgtg ctggataccg aggctgcagt

gtacagcggt caggaggcca ttgatgccgg actggctgat gaacttgtta acagcaccga

tgcgatcacc gtcatgcgtg atgcactgga tgcacgtaaa tcccgtctct caggagggcg

aatgaccaaa gagactcaat caacaactgt ttcagccact gcttcgcagg ctgacgttac

tgacgtggtg ccagcgacgg agggcgagaa cgccagcgcg gcgcagccgg acgtgaacgc

gcagatcacc gcagcggttg cggcagaaaa cagccgcatt atggggatcc tcaactgtga

ggaggctcac ggacgcgaag aacaggcacg cgtgctggca gaaacccccg gtatgaccgt

gaaaacggcc cgccgcattc tggccgcagc accacagagt gcacaggcgc gcagtgacac

tgcgctggat cgtctgatgc agggggcacc ggcaccgctg gctgcaggta acccggcatc

tgatgccgtt aacgatttgc tgaacacacc agtgtaaggg atgtttatga cgagcaaaga

aacctttacc cattaccagc cgcagggcaa cagtgacccg gctcataccg caaccgcgcc

cggcggattg agtgcgaaag cgcctgcaat gaccccgctg atgctggaca cctccagccg

taagctggtt gcgtgggatg gcaccaccga cggtgctgcc gttggcattc ttgcggttgc

tgctgaccag accagcacca cgctgacgtt ctacaagtcc ggcacgttcc gttatgagga

tgtgctctgg ccggaggctg ccagcgacga gacgaaaaaa cggaccgcgt ttgccggaac

ggcaatcagc atcgtttaac tttacccttc atcactaaag gccgcctgtg cggctttttt

tacgggattt ttttatgtcg atgtacacaa ccgcccaact gctggcggca aatgagcaga

aatttaagtt tgatccgctg tttctgcgtc tctttttccg tgagagctat cccttcacca

cggagaaagt ctatctctca caaattccgg gactggtaaa catggcgctg tacgtttcgc

cgattgtttc cggtgaggtt atccgttccc gtggcggctc cacctctgaa tttacgccgg

gatatgtcaa gccgaagcat gaagtgaatc cgcagatgac cctgcgtcgc ctgccggatg

aagatccgca gaatctggcg gacccggctt accgccgccg tcgcatcatc atgcagaaca

tgcgtgacga agagctggcc attgctcagg tcgaagagat gcaggcagtt tctgccgtgc

taagggcaa atacaccatg accggtgaag ccttcgatcc ggttgaggtg gatatgggcc

gcagtgagga gaataacatc acgcagtccg gcggcacgga gtggagcaag cgtgacaagt

ccacgtatga cccgaccgac gatatcgaag cctacgcgct gaacgccagc ggtgtggtga

atatcatcgt gttcgatccg aaaggctggg cgctgttccg ttccttcaaa gccgtcaagg

agaagctgga tacccgtcgt ggctctaatt ccgagctgga gacagcggtg aaagacctgg

gcaaagcggt gtcctataag gggatgtatg gcgatgtggc catcgtcgtg tattccggac

agtacgtgga aaacggcgtc aaaaagaact tcctgccgga caacacgatg gtgctgggga

acactcaggc acgcggtctg cgcacctatg gctgcattca ggatgcggac gcacagcgcg

aaggcattaa cgcctctgcc cgttacccga aaaactgggt gaccaccggc gatccggcgc

gtgagttcac catgattcag tcagcaccgc tgatgctgct ggctgaccct gatgagttcg

tgtccgtaca actggcgtaa tcatggccct tcggggccat tgtttctctg tggaggagtc

catgacgaaa gatgaactga ttgcccgtct ccgctcgctg ggtgaacaac tgaaccgtga

tgtcagcctg acggggacga aagaagaact ggcgctccgt gtggcagagc tgaaagagga

gcttgatgac acggatgaaa ctgccggtca ggacacccct ctcagccggg aaaatgtgct

gaccggacat gaaaatgagg tgggatcagc gcagccggat accgtgattc tggatacgtc

tgaactggtc acggtcgtgg cactggtgaa gctgcatact gatgcacttc acgccacgcg

ggatgaacct gtggcatttg tgctgccggg aacggcgttt cgtgtctctg ccggtgtggc

agccgaaatg acagagcgcg gcctggccag aatgcaataa cgggaggcgc tgtggctgat

ttcgataacc tgttcgatgc tgccattgcc cgcgccgatg aaacgatacg cgggtacatg

ggaacgtcag ccaccattac atccggtgag cagtcaggtg cggtgatacg tggtgttttt

gatgaccctg aaaatatcag ctatgccgga cagggcgtgc gcgttgaagg ctccagcccg

tccctgtttg tccggactga tgaggtgcgg cagctgcggc gtggagacac gctgaccatc

ggtgaggaaa atttctgggt agatcgggtt tcgccggatg atggcggaag ttgtcatctc

tggcttggac ggggcgtacc gcctgccgtt aaccgtcgcc gctgaaaggg ggatgtatgg

ccataaaagg tcttgagcag gccgttgaaa acctcagccg tatcagcaaa acggcggtgc

ctggtgccgc cgcaatggcc attaaccgcg ttgcttcatc cgcgatatcg cagtcggcgt

cacaggttgc ccgtgagaca aaggtacgcc ggaaactggt aaaggaaagg gccaggctga

aaagggccac ggtcaaaaat ccgcaggcca gaatcaaagt taaccggggg gatttgcccg

taatcaagct gggtaatgcg cgggttgtcc tttcgcgccg caggcgtcgt aaaaaggggc

agcgttcatc cctgaaaggt ggcggcagcg tgcttgtggt gggtaaccgt cgtattcccg

gcgcgtttat tcagcaactg aaaaatggcc ggtggcatgt catgcagcgt gtggctggga

aaaaccgtta ccccattgat gtggtgaaaa tcccgatggc ggtgccgctg accacggcgt

ttaaacaaaa tattgagcgg atacggcgtg aacgtcttcc gaaagagctg ggctatgcgc

tgcagcatca actgaggatg gtaataaagc gatgaaacat actgaactcc gtgcagccgt

actggatgca ctggagaagc atgacaccgg ggcgacgttt tttgatggtc gccccgctgt

ttttgatgag gcggattttc cggcagttgc cgtttatctc accggcgctg aatacacggg

cgaagagctg gacagcgata cctggcaggc ggagctgcat atcgaagttt tcctgcctgc

tcaggtgccg gattcagagc tggatgcgtg gatggagtcc cggatttatc cggtgatgag

cgatatcccg gcactgtcag atttgatcac cagtatggtg gccagcggct atgactaccg

gcgcgacgat gatgcgggct tgtggagttc agccgatctg acttatgtca ttacctatga

aatgtgagga cgctatgcct gtaccaaatc ctacaatgcc ggtgaaaggt gccgggacca

ccctgtgggt ttataagggg agcggtgacc cttacgcgaa tccgctttca gacgttgact

ggtcgcgtct ggcaaaagtt aaagacctga cgcccggcga actgaccgct gagtcctatg

acgacagcta tctcgatgat gaagatgcag actggactgc gaccgggcag gggcagaaat

ctgccggaga taccagcttc acgctggcgt ggatgcccgg agagcagggg cagcaggcgc

tgctggcgtg gtttaatgaa ggcgataccc gtgcctataa aatccgcttc ccgaacggca

cggtcgatgt gttccgtggc tgggtcagca gtatcggtaa ggcggtgacg gcgaaggaag

tgatcacccg cacggtgaaa gtcaccaatg tgggacgtcc gtcgatggca gaagatcgca

gcacggtaac agcggcaacc ggcatgaccg tgacgcctgc cagcacctcg gtggtgaaag

ggcagagcac cacgctgacc gtggccttcc agccggaggg cgtaaccgac aagagctttc

gtgcggtgtc tgcggataaa acaaaagcca ccgtgtcggt cagtggtatg accatcaccg

tgaacggcgt tgctgcaggc aaggtcaaca ttccggttgt atccggtaat ggtgagtttg

ctgcggttgc agaaattacc gtcaccgcca gttaatccgg agagtcagcg atgttcctga

aaaccgaatc atttgaacat aacggtgtga ccgtcacgct ttctgaactg tcagccctgc

agcgcattga gcatctcgcc ctgatgaaac ggcaggcaga acaggcggag tcagacagca

accggaagtt tactgtggaa gacgccatca gaaccggcgc gtttctggtg gcgatgtccc

tgtggcataa ccatccgcag aagacgcaga tgccgtccat gaatgaagcc gttaaacaga

ttgagcagga agtgcttacc acctggccca cggaggcaat ttctcatgct gaaaacgtgg

tgtaccggct gtctggtatg tatgagtttg tggtgaataa tgcccctgaa cagacagagg

acgccgggcc cgcagagcct gtttctgcgg gaaagtgttc gacggtgagc tgagttttgc

cctgaaactg gcgcgtgaga tggggcgacc cgactggcgt gccatgcttg ccgggatgtc

atccacggag tatgccgact ggcaccgctt ttacagtacc cattattttc atgatgttct

gctggatatg cacttttccg ggctgacgta caccgtgctc agcctgtttt tcagcgatcc

ggatatgcat ccgctggatt tcagtctgct gaaccggcgc gaggctgacg aagagcctga

agatgatgtg ctgatgcaga aagcggcagg gcttgccgga ggtgtccgct ttggcccgga

cgggaatgaa gttatccccg cttccccgga tgtggcggac atgacggagg atgacgtaat

gctgatgaca gtatcagaag ggatcgcagg aggagtccgg tatggctgaa ccggtaggcg

atctggtcgt tgatttgagt ctggatgcgg ccagatttga cgagcagatg gccagagtca

ggcgtcattt ttctggtacg gaaagtgatg cgaaaaaaac agcggcagtc gttgaacagt

cgctgagccg acaggcgctg gctgcacaga aagcggggat ttccgtcggg cagtataaag

ccgccatgcg tatgctgcct gcacagttca ccgacgtggc cacgcagctt gcaggcgggc

aaagtccgtg gctgatcctg ctgcaacagg gggggcaggt gaaggactcc ttcggcggga

tgatccccat gttcaggggg cttgccggtg cgatcaccct gccgatggtg ggggccacct

cgctggcggt ggcgaccggt gcgctggcgt atgcctggta tcagggcaac tcaaccctgt

ccgatttcaa caaaacgctg gtcctttccg gcaatcaggc gggactgacg gcagatcgta

tgctggtcct gtccagagcc gggcaggcgg cagggctgac gtttaaccag accagcgagt

cactcagcgc actggttaag gcgggggtaa gcggtgaggc tcagattgcg tccatcagcc

agagtgtggc gcgtttctcc tctgcatccg gcgtggaggt ggacaaggtc gctgaagcct

tcgggaagct gaccacagac ccgacgtcgg ggctgacggc gatggctcgc cagttccata

acgtgtcggc ggagcagatt gcgtatgttg ctcagttgca gcgttccggc gatgaagccg

gggcattgca ggcggcgaac gaggccgcaa cgaaagggtt tgatgaccag acccgccgcc

tgaaagagaa catgggcacg ctggagacct gggcagacag gactgcgcgg gcattcaaat

ccatgtggga tgcggtgctg gatattggtc gtcctgatac cgcgcaggag atgctgatta

aggcagaggc tgcgtataag aaagcagacg acatctggaa tctgcgcaag gatgattatt

ttgttaacga tgaagcgcgg gcgcgttact gggatgatcg tgaaaaggcc cgtcttgcgc

ttgaagccgc ccgaaagaag gctgagcagc agactcaaca ggacaaaaat gcgcagcagc

agagcgatac cgaagcgtca cggctgaaat ataccgaaga ggcgcagaag gcttacgaac

ggctgcagac gccgctggag aaatataccg cccgtcagga agaactgaac aaggcactga

aagacgggaa aatcctgcag gcggattaca acacgctgat ggcggcggcg aaaaaggatt

atgaagcgac gctgaaaaag ccgaaacagt ccagcgtgaa ggtgtctgcg ggcgatcgtc

aggaagacag tgctcatgct gccctgctga cgcttcaggc agaactccgg acgctggaga

agcatgccgg agcaaatgag aaaatcagcc agcagcgccg ggatttgtgg aaggcggaga

gtcagttcgc ggtactggag gaggcggcgc aacgtcgcca gctgtctgca caggagaaat

ccctgctggc gcataaagat gagacgctgg agtacaaacg ccagctggct gcacttggcg

acaaggttac gtatcaggag cgcctgaacg cgctggcgca gcaggcggat aaattcgcac

agcagcaacg ggcaaaacgg gccgccattg atgcgaaaag ccgggggctg actgaccggc

aggcagaacg ggaagccacg gaacagcgcc tgaaggaaca gtatggcgat aatccgctgg

cgctgaataa cgtcatgtca gagcagaaaa agacctgggc ggctgaagac cagcttcgcg

ggaactggat ggcaggcctg aagtccggct ggagtgagtg ggaagagagc gccacggaca

gtatgtcgca ggtaaaaagt gcagccacgc agacctttga tggtattgca cagaatatgg

cggcgatgct gaccggcagt gagcagaact ggcgcagctt cacccgttcc gtgctgtcca

tgatgacaga aattctgctt aagcaggcaa tggtggggat tgtcgggagt atcggcagcg

ccattggcgg ggctgttggt ggcggcgcat ccgcgtcagg cggtacagcc attcaggccg

ctgcggcgaa attccatttt gcaaccggag gatttacggg aaccggcggc aaatatgagc

cagcggggat tgttcaccgt ggtgagtttg tcttcacgaa ggaggcaacc agccggattg

gcgtggggaa tctttaccgg ctgatgcgcg gctatgccac cggcggttat gtcggtacac

cgggcagcat ggcagacagc cggtcgcagg cgtccgggac gtttgagcag aataaccatg

tggtgattaa caacgacggc acgaacgggc agataggtcc ggctgctctg aaggcggtgt

atgacatggc ccgcaagggt gcccgtgatg aaattcagac acagatgcgt gatggtggcc

tgttctccgg aggtggacga tgaagacctt ccgctggaaa gtgaaacccg gtatggatgt

ggcttcggtc ccttctgtaa gaaaggtgcg ctttggtgat ggctattctc agcgagcgcc

tgccgggctg aatgccaacc tgaaaacgta cagcgtgacg ctttctgtcc cccgtgagga

ggccacggta ctggagtcgt ttctggaaga gcacgggggc tggaaatcct ttctgtggac

gccgccttat gagtggcggc agataaaggt gacctgcgca aaatggtcgt cgcgggtcag

tatgctgcgt gttgagttca gcgcagagtt tgaacaggtg gtgaactgat gcaggatatc

cggcaggaaa cactgaatga atgcacccgt gcggagcagt cggccagcgt ggtgctctgg

gaaatcgacc tgacagaggt cggtggagaa cgttattttt tctgtaatga gcagaacgaa

aaaggtgagc cggtcacctg gcaggggcga cagtatcagc cgtatcccat tcaggggagc

ggttttgaac tgaatggcaa aggcaccagt acgcgcccca cgctgacggt ttctaacctg

tacggtatgg tcaccgggat ggcggaagat atgcagagtc tggtcggcgg aacggtggtc

cggcgtaagg tttacgcccg ttttctggat gcggtgaact tcgtcaacgg aaacagttac

gccgatccgg agcaggaggt gatcagccgc tggcgcattg agcagtgcag cgaactgagc

gcggtgagtg cctcctttgt actgtccacg ccgacggaaa cggatggcgc tgtttttccg

ggacgtatca tgctggccaa cacctgcacc tggacctatc gcggtgacga gtgcggttat

agcggtccgg ctgtcgcgga tgaatatgac cagccaacgt ccgatatcac gaaggataaa

tgcagcaaat gcctgagcgg ttgtaagttc cgcaataacg tcggcaactt tggcggcttc

ctttccatta acaaactttc gcagtaaatc ccatgacaca gacagaatca gcgattctgg

cgcacgcccg gcgatgtgcg ccagcggagt cgtgcggctt cgtggtaagc acgccggagg

gggaaagata tttcccctgc gtgaatatct ccggtgagcc ggaggctatt tccgtatgtc

gccggaagac tggctgcagg cagaaatgca gggtgagatt gtggcgctgg tccacagcca

ccccggtggt ctgccctggc tgagtgaggc cgaccggcgg ctgcaggtgc agagtgattt

gccgtggtgg ctggtctgcc gggggacgat tcataagttc cgctgtgtgc cgcatctcac

cgggcggcgc tttgagcacg gtgtgacgga ctgttacaca ctgttccggg atgcttatca

tctggcgggg attgagatgc cggactttca tcgtgaggat gactggtggc gtaacggcca

gaatctctat ctggataatc tggaggcgac ggggctgtat caggtgccgt tgtcagcggc

acagccgggc gatgtgctgc tgtgctgttt tggttcatca gtgccgaatc acgccgcaat

ttactgcggc gacggcgagc tgctgcacca tattcctgaa caactgagca aacgagagag

gtacaccgac aaatggcagc gacgcacaca ctccctctgg cgtcaccggg catggcgcgc

atctgccttt acggggattt acaacgattt ggtcgccgca tcgaccttcg tgtgaaaacg

ggggctgaag ccatccgggc actggccaca cagctcccgg cgtttcgtca gaaactgagc

gacggctggt atcaggtacg gattgccggg cgggacgtca gcacgtccgg gttaacggcg

cagttacatg agactctgcc tgatggcgct gtaattcata ttgttcccag agtcgccggg

gccaagtcag gtggcgtatt ccagattgtc ctgggggctg ccgccattgc cggatcattc

tttaccgccg gagccaccct tgcagcatgg ggggcagcca ttggggccgg tggtatgacc

ggcatcctgt tttctctcgg tgccagtatg gtgctcggtg gtgtggcgca gatgctggca

ccgaaagcca gaactccccg tatacagaca acggataacg gtaagcagaa cacctatttc

tcctcactgg ataacatggt tgcccagggc aatgttctgc ctgttctgta cggggaaatg

cgcgtggggt cacgcgtggt ttctcaggag atcagcacgg cagacgaagg ggacggtggt

caggttgtgg tgattggtcg ctgatgcaaa atgttttatg tgaaaccgcc tgcgggcggt

tttgtcattt atggagcgtg aggaatgggt aaaggaagca gtaaggggca taccccgcgc

gaagcgaagg acaacctgaa gtccacgcag ttgctgagtg tgatcgatgc catcagcgaa

gggccgattg aaggtccggt ggatggctta aaaagcgtgc tgctgaacag tacgccggtg

ctggacactg aggggaatac caacatatcc ggtgtcacgg tggtgttccg ggctggtgag

caggagcaga ctccgccgga gggatttgaa tcctccggct ccgagacggt gctgggtacg

gaagtgaaat atgacacgcc gatcacccgc accattacgt ctgcaaacat cgaccgtctg

cgctttacct tcggtgtaca ggcactggtg gaaaccacct caaagggtga caggaatccg

tcggaagtcc gcctgctggt tcagatacaa cgtaacggtg gctgggtgac ggaaaaagac

atcaccatta agggcaaaac cacctcgcag tatctggcct cggtggtgat gggtaacctg

ccgccgcgcc cgtttaatat ccggatgcgc aggatgacgc cggacagcac cacagaccag

ctgcagaaca aaacgctctg gtcgtcatac actgaaatca tcgatgtgaa acagtgctac

ccgaacacgg cactggtcgg cgtgcaggtg gactcggagc agttcggcag ccagcaggtg

agccgtaatt atcatctgcg cgggcgtatt ctgcaggtgc cgtcgaacta taacccgcag

acgcggcaat acagcggtat ctgggacgga acgtttaaac cggcatacag caacaacatg

gcctggtgtc tgtgggatat gctgacccat ccgcgctacg gcatggggaa acgtcttggt

gcggcggatg tggataaatg ggcgctgtat gtcatcggcc agtactgcga ccagtcagtg

ccggacggct ttggcggcac ggagccgcgc atcacctgta atgcgtacct gaccacacag

cgtaaggcgt gggatgtgct cagcgatttc tgctcggcga tgcgctgtat gccggtatgg

aacgggcaga cgctgacgtt cgtgcaggac cgaccgtcgg ataagacgtg gacctataac

cgcagtaatg tggtgatgcc ggatgatggc gcgccgttcc gctacagctt cagcgccctg

aaggaccgcc ataatgccgt tgaggtgaac tggattgacc cgaacaacgg ctgggagacg

gcgacagagc ttgttgaaga tacgcaggcc attgcccgtt acggtcgtaa tgttacgaag

atggatgcct ttggctgtac cagccggggg caggcacacc gcgccgggct gtggctgatt

aaaacagaac tgctggaaac gcagaccgtg gatttcagcg tcggcgcaga agggcttcgc

catgtaccgg gcgatgttat tgaaatctgc gatgatgact atgccggtat cagcaccggt

ggtcgtgtgc tggcggtgaa cagccagacc cggacgctga cgctcgaccg tgaaatcacg

ctgccatcct ccggtaccgc gctgataagc ctggttgacg gaagtggcaa tccggtcagc

gtggaggttc agtccgtcac cgacggcgtg aaggtaaaag tgagccgtgt tcctgacggt

gttgctgaat acagcgtatg ggagctgaag ctgccgacgc tgcgccagcg actgttccgc

tgcgtgagta tccgtgagaa cgacgacggc acgtatgcca tcaccgccgt gcagcatgtg

ccggaaaaag aggccatcgt ggataacggg gcgcactttg acggcgaaca gagtggcacg

gtgaatggtg tcacgccgcc agcggtgcag cacctgaccg cagaagtcac tgcagacagc

ggggaatatc aggtgctggc gcgatgggac acaccgaagg tggtgaaggg cgtgagtttc

ctgctccgtc tgaccgtaac agcggacgac ggcagtgagc ggctggtcag cacggcccgg

acgacggaaa ccacataccg cttcacgcaa ctggcgctgg ggaactacag gctgacagtc

cgggcggtaa atgcgtgggg gcagcagggc gatccggcgt cggtatcgtt ccggattgcc

gcaccggcag caccgtcgag gattgagctg acgccgggct attttcagat aaccgccacg

ccgcatcttg ccgtttatga cccgacggta cagtttgagt tctggttctc ggaaaagcag

attgcggata tcagacaggt tgaaaccagc acgcgttatc ttggtacggc gctgtactgg

atagccgcca gtatcaatat caaaccgggc catgattatt acttttatat ccgcagtgtg

aacaccgttg gcaaatcggc attcgtggag gccgtcggtc gggcgagcga tgatgcggaa

ggttacctgg attttttcaa aggcaagata accgaatccc atctcggcaa ggagctgctg

gaaaaagtcg agctgacgga ggataacgcc agcagactgg aggagttttc gaaagagtgg

aaggatgcca gtgataagtg gaatgccatg tgggctgtca aaattgagca gaccaaagac

ggcaaacatt atgtcgcggg tattggcctc agcatggagg acacggagga aggcaaactg

agccagtttc tggttgccgc caatcgtatc gcatttattg acccggcaaa cgggaatgaa

acgccgatgt ttgtggcgca gggcaaccag atattcatga acgacgtgtt cctgaagcgc

ctgacggccc ccaccattac cagcggcggc aatcctccgg ccttttccct gacaccggac

ggaaagctga ccgctaaaaa tgcggatatc agtggcagtg tgaatgcgaa ctccgggacg

ctcagtaatg tgacgatagc tgaaaactgt acgataaacg gtacgctgag ggcggaaaaa

atcgtcgggg acattgtaaa ggcggcgagc gcggcttttc cgcgccagcg tgaaagcagt

gtggactggc cgtcaggtac ccgtactgtc accgtgaccg atgaccatcc ttttgatcgc

cagatagtgg tgcttccgct gacgtttcgc ggaagtaagc gtactgtcag cggcaggaca

acgtattcga tgtgttatct gaaagtactg atgaacggtg cggtgattta tgatggcgcg

gcgaacgagg cggtacaggt gttctcccgt attgttgaca tgccagcggg tcggggaaac

gtgatcctga cgttcacgct tacgtccaca cggcattcgg cagatattcc gccgtatacg

tttgccagcg atgtgcaggt tatggtgatt aagaaacagg cgctgggcat cagcgtggtc

tgagtgtgtt acagaggttc gtccgggaac gggcgtttta ttataaaaca gtgagaggtg

aacgatgcgt aatgtgtgta ttgccgttgc tgtctttgcc gcacttgcgg tgacagtcac

tccggcccgt gcggaaggtg gacatggtac gtttacggtg ggctattttc aagtgaaacc

gggtacattg ccgtcgttgt cgggcgggga taccggtgtg agtcatctga aagggattaa

cgtgaagtac cgttatgagc tgacggacag tgtgggggtg atggcttccc tggggttcgc

cgcgtcgaaa aagagcagca cagtgatgac cggggaggat acgtttcact atgagagcct

gcgtggacgt tatgtgagcg tgatggccgg accggtttta caaatcagta agcaggtcag

tgcgtacgcc atggccggag tggctcacag tcggtggtcc ggcagtacaa tggattaccg

taagacggaa atcactcccg ggtatatgaa agagacgacc actgccaggg acgaaagtgc

aatgcggcat acctcagtgg cgtggagtgc aggtatacag attaatccgg cagcgtccgt

cgttgttgat attgcttatg aaggctccgg cagtggcgac tggcgtactg acggattcat

cgttggggtc ggttataaat tctgattagc caggtaacac agtgttatga cagcccgccg

gaaccggtgg gcttttttgt ggggtgaata tggcagtaaa gatttcagga gtcctgaaag

acggcacagg aaaaccggta cagaactgca ccattcagct gaaagccaga cgtaacagca

ccacggtggt ggtgaacacg gtgggctcag agaatccgga tgaagccggg cgttacagca

tggatgtgga gtacggtcag tacagtgtca tcctgcaggt tgacggtttt ccaccatcgc

acgccgggac catcaccgtg tatgaagatt cacaaccggg gacgctgaat gattttctct

gtgccatgac ggaggatgat gcccggccgg aggtgctgcg tcgtcttgaa ctgatggtgg

aagaggtggc gcgtaacgcg tccgtggtgg cacagagtac ggcagacgcg aagaaatcag

ccggcgatgc cagtgcatca gctgctcagg tcgcggccct tgtgactgat gcaactgact

cagcacgcgc cgccagcacg tccgccggac aggctgcatc gtcagctcag gaagcgtcct

ccggcgcaga agcggcatca gcaaaggcca ctgaagcgga aaaaagtgcc gcagccgcag

agtcctcaaa aaacgcggcg gccaccagtg ccggtgcggc gaaaacgtca gaaacgaatg

ctgcagcgtc acaacaatca gccgccacgt ctgcctccac cgcggccacg aaagcgtcag

aggccgccac ttcagcacga gatgcggtgg cctcaaaaga ggcagcaaaa tcatcagaaa

cgaacgcatc atcaagtgcc ggtcgtgcag cttcctcggc aacggcggca gaaaattctg

ccagggcggc aaaaacgtcc gagacgaatg ccaggtcatc tgaaacagca gcggaacgga

gcgcctctgc cgcggcagac gcaaaaacag cggcggcggg gagtgcgtca acggcatcca

cgaaggcgac agaggctgcg ggaagtgcgg tatcagcatc gcagagcaaa agtgcggcag

aagcggcggc aatacgtgca aaaaattcgg caaaacgtgc agaagatata gcttcagctg

tcgcgcttga ggatgcggac acaacgagaa aggggatagt gcagctcagc agtgcaacca

acagcacgtc tgaaacgctt gctgcaacgc caaaggcggt taaggtggta atggatgaaa

cgaacagaaa agcccactgg acagtccggc actgaccgga acgccaacag caccaaccgc

gctcagggga acaaacaata cccagattgc gaacaccgct tttgtactgg ccgcgattgc

agatgttatc gacgcgtcac ctgacgcact gaatacgctg aatgaactgg ccgcagcgct

cgggaatgat ccagattttg ctaccaccat gactaacgcg cttgcgggta aacaaccgaa

gaatgcgaca ctgacggcgc tggcagggct ttccacggcg aaaaataaat taccgtattt

tgcggaaaat gatgccgcca gcctgactga actgactcag gttggcaggg atattctggc

aaaaaattcc gttgcagatg ttcttgaata ccttggggcc ggtgagaatt cggcctttcc

ggcaggtgcg ccgatcccgt ggccatcaga tatcgttccg tctggctacg tcctgatgca

ggggcaggcg tttgacaaat cagcctaccc aaaacttgct gtcgcgtatc catcgggtgt

gcttcctgat atgcgaggct ggacaatcaa ggggaaaccc gccagcggtc gtgctgtatt

gtctcaggaa caggatggaa ttaagtcgca cacccacagt gccagtgcat ccggtacgga

tttggggacg aaaaccacat cgtcgtttga ttacgggacg aaaacaacag gcagtttcga

ttacggcacc aaatcgacga ataacacggg ggctcatgct cacagtctga gcggttcaac

aggggccgcg ggtgctcatg cccacacaag tggtttaagg atgaacagtt ctggctggag

tcagtatgga acagcaacca ttacaggaag tttatccaca gttaaaggaa ccagcacaca

gggtattgct tatttatcga aaacggacag tcagggcagc cacagtcact cattgtccgg

tacagccgtg agtgccggtg cacatgcgca tacagttggt attggtgcgc accagcatcc

ggttgttatc ggtgctcatg cccattcttt cagtattggt tcacacggac acaccatcac

cgttaacgct gcgggtaacg cggaaaacac cgtcaaaaac attgcattta actatattgt

gaggcttgca taatggcatt cagaatgagt gaacaaccac ggaccataaa aatttataat

ctgctggccg gaactaatga atttattggt gaaggtgacg catatattcc gcctcatacc

ggtctgcctg caaacagtac cgatattgca ccgccagata ttccggctgg ctttgtggct

gttttcaaca gtgatgaggc atcgtggcat ctcgttgaag accatcgggg taaaaccgtc

tatgacgtgg cttccggcga cgcgttattt atttctgaac tcggtccgtt accggaaaat

tttacctggt tatcgccggg aggggaatat cagaagtgga acggcacagc ctgggtgaag

gatacggaag cagaaaaact gttccggatc cgggaggcgg aagaaacaaa aaaaagcctg

atgcaggtag ccagtgagca tattgcgccg cttcaggatg ctgcagatct ggaaattgca

acgaaggaag aaacctcgtt gctggaagcc tggaagaagt atcgggtgtt gctgaaccgt

gttgatacat caactgcacc tgatattgag tggcctgctg tccctgttat ggagtaatcg

ttttgtgata tgccgcagaa acgttgtatg aaataacgtt ctgcggttag ttagtatatt

gtaaagctga gtattggttt atttggcgat tattatcttc aggagaataa tggaagttct

atgactcaat tgttcatagt gtttacatca ccgccaattg cttttaagac tgaacgcatg

aaatatggtt tttcgtcatg ttttgagtct gctgttgata tttctaaagt cggttttttt

tcttcgtttt ctctaactat tttccatgaa atacattttt gattattatt tgaatcaatt

ccaattacct gaagtctttc atctataatt ggcattgtat gtattggttt attggagtag

atgcttgctt ttctgagcca tagctctgat atccaaatga agccataggc atttgttatt

ttggctctgt cagctgcata acgccaaaaa atatatttat ctgcttgatc ttcaaatgtt

gtattgatta aatcaattgg atggaattgt ttatcataaa aaattaatgt ttgaatgtga

taaccgtcct ttaaaaaagt cgtttctgca agcttggctg tatagtcaac taactcttct

gtcgaagtga tatttttagg cttatctacc agttttagac gctctttaat atcttcagga

attattttat tgtcatattg tatcatgcta aatgacaatt tgcttatgga gtaatctttt

aattttaaat aagttattct cctggcttca tcaaataaag agtcgaatga tgttggcgaa

atcacatcgt cacccattgg attgtttatt tgtatgccaa gagagttaca gcagttatac

attctgccat agattatagc taaggcatgt aataattcgt aatcttttag cgtattagcg

acccatcgtc tttctgattt aataatagat gattcagtta aatatgaagg taatttcttt

tgtgcaagtc tgactaactt ttttatacca atgtttaaca tactttcatt tgtaataaac

tcaatgtcat tttcttcaat gtaagatgaa ataagagtag cctttgcctc gctatacatt

tctaaatcgc cttgtttttc tatcgtattg cgagaatttt tagcccaagc cattaatgga

tcatttttcc atttttcaat aacattattg ttataccaaa tgtcatatcc tataatctgg

tttttgtttt tttgaataat aaatgttact gttcttgcgg tttggaggaa ttgattcaaa

ttcaagcgaa ataattcagg gtcaaaatat gtatcaatgc agcatttgag caagtgcgat

aaatctttaa gtcttctttc ccatggtttt ttagtcataa aactctccat tttgataggt

tgcatgctag atgctgatat attttagagg tgataaaatt aactgcttaa ctgtcaatgt

aatacaagtt gtttgatctt tgcaatgatt cttatcagaa accatatagt aaattagtta

cacaggaaat ttttaatatt attattatca ttcattatgt attaaaatta gagttgtggc

ttggctctgc taacacgttg ctcataggag atatggtaga gccgcagaca cgtcgtatgc

aggaacgtgc tgcggctggc tggtgaactt ccgatagtgc gggtgttgaa tgatttccag

ttgctaccga ttttacatat tttttgcatg agagaatttg taccacctcc caccgaccat

ctatgactgt acgccactgt ccctaggact gctatgtgcc ggagcggaca ttacaaacgt

ccttctcggt gcatgccact gttgccaatg acctgcctag gaattggtta gcaagttact

accggatttt gtaaaaacag ccctcctcat ataaaaagta ttcgttcact tccgataagc

gtcgtaattt tctatctttc atcatattct agatccctct gaaaaaatct tccgagtttg

ctaggcactg atacataact cttttccaat aattggggaa gtcattcaaa tctataatag

gtttcagatt tgcttcaata aattctgact gtagctgctg aaacgttgcg gttgaactat

atttccttat aacttttacg aaagagtttc tttgagtaat cacttcactc aagtgcttcc

ctgcctccaa acgatacctg ttagcaatat ttaatagctt gaaatgatga agagctctgt

gtttgtcttc ctgcctccag ttcgccgggc attcaacata aaaactgata gcacccggag

ttccggaaac gaaatttgca tatacccatt gctcacgaaa aaaaatgtcc ttgtcgatat

agggatgaat cgcttggtgt acctcatcta ctgcgaaaac ttgacctttc tctcccatat

tgcagtcgcg gcacgatgga actaaattaa taggcatcac cgaaaattca ggataatgtg

caataggaag aaaatgatct atattttttg tctgtcctat atcaccacaa aatggacatt

tttcacctga tgaaacaagc atgtcatcgt aatatgttct agcgggtttg tttttatctc

ggagattatt ttcataaagc ttttctaatt taacctttgt caggttacca actactaagg

ttgtaggctc aagagggtgt gtcctgtcgt aggtaaataa ctgacctgtc gagcttaata

ttctatattg ttgttctttc tgcaaaaaag tggggaagtg agtaatgaaa ttatttctaa

catttatctg catcatacct tccgagcatt tattaagcat ttcgctataa gttctcgctg

gaagaggtag ttttttcatt gtactttacc ttcatctctg ttcattatca tcgcttttaa

aacggttcga ccttctaatc ctatctgacc attataattt tttagaatgg tttcataaga

aagctctgaa tcaacggact gcgataataa gtggtggtat ccagaatttg tcacttcaag

taaaaacacc tcacgagtta aaacacctaa gttctcaccg aatgtctcaa tatccggacg

gataatattt attgcttctc ttgaccgtag gactttccac atgcaggatt ttggaacctc

ttgcagtact actggggaat gagttgcaat tattgctaca ccattgcgtg catcgagtaa

gtcgcttaat gttcgtaaaa aagcagagag caaaggtgga tgcagatgaa cctctggttc

atcgaataaa actaatgact tttcgccaac gacatctact aatcttgtga tagtaaataa

aacaattgca tgtccagagc tcattcgaag cagatatttc tggatattgt cataaaacaa

tttagtgaat ttatcatcgt ccacttgaat ctgtggttca ttacgtctta actcttcata

tttagaaatg aggctgatga gttccatatt tgaaaagttt tcatcactac ttagtttttt

gatagcttca agccagagtt gtctttttct atctactctc atacaaccaa taaatgctga

aatgaattct aagcggagat cgcctagtga ttttaaacta ttgctggcag cattcttgag

tccaatataa aagtattgtg taccttttgc tgggtcaggt tgttctttag gaggagtaaa

aggatcaaat gcactaaacg aaactgaaac aagcgatcga aaatatccct ttgggattct

tgactcgata agtctattat tttcagagaa aaaatattca ttgttttctg ggttggtgat

tgcaccaatc attccattca aaattgttgt tttaccacac ccattccgcc cgataaaagc

atgaatgttc gtgctgggca tagaattaac cgtcacctca aaaggtatag ttaaatcact

gaatccggga gcactttttc tattaaatga aaagtggaaa tctgacaatt ctggcaaacc

atttaacaca cgtgcgaact gtccatgaat ttctgaaaga gttacccctc taagtaatga

ggtgttaagg acgctttcat tttcaatgtc ggctaatcga tttggccata ctactaaatc

ctgaatagct ttaagaaggt tatgtttaaa accatcgctt aatttgctga gattaacata

gtagtcaatg ctttcaccta aggaaaaaaa catttcaggg agttgactga attttttatc

tattaatgaa taagtgctta cttcttcttt ttgacctaca aaaccaattt taacatttcc

gatatcgcat ttttcaccat gctcatcaaa gacagtaaga taaaacattg taacaaagga

atagtcattc caaccatctg ctcgtaggaa tgccttattt ttttctactg caggaatata

cccgcctctt tcaataacac taaactccaa catatagtaa cccttaattt tattaaaata

accgcaattt atttggcggc aacacaggat ctctctttta agttactctc tattacatac

gttttccatc taaaaattag tagtattgaa cttaacgggg catcgtattg tagttttcca

tatttagctt tctgcttcct tttggataac ccactgttat tcatgttgca tggtgcactg

tttataccaa cgatatagtc tattaatgca tatatagtat cgccgaacga ttagctcttc

aggcttctga agaagcgttt caagtactaa taagccgata gatagccacg gacttcgtag

ccatttttca taagtgttaa cttccgctcc tcgctcataa cagacattca ctacagttat

ggcggaaagg tatgcatgct gggtgtgggg aagtcgtgaa agaaaagaag tcagctgcgt

cgtttgacat cactgctatc ttcttactgg ttatgcaggt cgtagtgggt ggcacacaaa

gctttgcact ggattgcgag gctttgtgct tctctggagt gcgacaggtt tgatgacaaa

aaattagcgc aagaagacaa aaatcacctt gcgctaatgc tctgttacag gtcactaata

ccatctaagt agttgattca tagtgactgc atatgttgtg ttttacagta ttatgtagtc

tgttttttat gcaaaatcta atttaatata ttgatattta tatcatttta cgtttctcgt

tcagcttttt tatactaagt tggcattata aaaaagcatt gcttatcaat ttgttgcaac

gaacaggtca ctatcagtca aaataaaatc attatttgat ttcaattttg tcccactccc

tgcctctgtc atcacgatac tgtgatgcca tggtgtccga cttatgcccg agaagatgtt

gagcaaactt atcgcttatc tgcttctcat agagtcttgc agacaaactg cgcaactcgt

gaaaggtagg cggatcccct tcgaaggaaa gacctgatgc ttttcgtgcg cgcataaaat

accttgatac tgtgccggat gaaagcggtt cgcgacgagt agatgcaatt atggtttctc

cgccaagaat ctctttgcat ttatcaagtg tttccttcat tgatattccg agagcatcaa

tatgcaatgc tgttgggatg gcaattttta cgcctgtttt gctttgctcg acataaagat

atccatctac gatatcagac cacttcattt cgcataaatc accaactcgt tgcccggtaa

caacagccag ttccattgca agtctgagcc aacatggtga tgattctgct gcttgataaa

ttttcaggta ttcgtcagcc gtaagtcttg atctccttac ctctgatttt gctgcgcgag

tggcagcgac atggtttgtt gttatatggc cttcagctat tgcctctcgg aatgcatcgc

tcagtgttga tctgattaac ttggctgacg ccgccttgcc ctcgtctatg tatccattga

gcattgccgc aatttctttt gtggtgatgt cttcaagtgg agcatcaggc agacccctcc

ttattgcttt aattttgctc atgtaattta tgagtgtctt ctgcttgatt cctctgctgg

ccaggatttt ttcgtagcga tcaagccatg aatgtaacgt aacggaatta tcactgttga

ttctcgctgt cagaggcttg tgtttgtgtc ctgaaaataa ctcaatgttg gcctgtatag

cttcagtgat tgcgattcgc ctgtctctgc ctaatccaaa ctctttaccc gtccttgggt

ccctgtagca gtaatatcca ttgtttctta tataaaggtt agggggtaaa tcccggcgct

catgacttcg ccttcttccc atttctgatc ctcttcaaaa ggccacctgt tactggtcga

tttaagtcaa cctttaccgc tgattcgtgg aacagatact ctcttccatc cttaaccgga

ggtgggaata tcctgcattc ccgaacccat cgacgaactg tttcaaggct tcttggacgt

cgctggcgtg cgttccactc ctgaagtgtc aagtacatcg caaagtctcc gcaattacac

gcaagaaaaa accgccatca ggcggcttgg tgttctttca gttcttcaat tcgaatattg

gttacgtctg catgtgctat ctgcgcccat atcatccagt ggtcgtagca gtcgttgatg

ttctccgctt cgataactct gttgaatggc tctccattcc attctcctgt gactcggaag

tgcatttatc atctccataa aacaaaaccc gccgtagcga gttcagataa aataaatccc

cgcgagtgcg aggattgtta tgtaatattg ggtttaatca tctatatgtt ttgtacagag

agggcaagta tcgtttccac cgtactcgtg ataataattt tgcacggtat cagtcatttc

tcgcacattg cagaatgggg atttgtcttc attagactta taaaccttca tggaatattt

gtatgccgac tctatatcta taccttcatc tacataaaca ccttcgtgat gtctgcatgg

agacaagaca ccggatctgc acaacattga taacgcccaa tctttttgct cagactctaa

ctcattgata ctcatttata aactccttgc aatgtatgtc gtttcagcta aacggtatca

gcaatgttta tgtaaagaaa cagtaagata atactcaacc cgatgtttga gtacggtcat

catctgacac tacagactct ggcatcgctg tgaagacgac gcgaaattca gcattttcac

aagcgttatc ttttacaaaa ccgatctcac tctcctttga tgcgaatgcc agcgtcagac

atcatatgca gatactcacc tgcatcctga acccattgac ctccaacccc gtaatagcga

tgcgtaatga tgtcgatagt tactaacggg tcttgttcga ttaactgccg cagaaactct

tccaggtcac cagtgcagtg cttgataaca ggagtcttcc caggatggcg aacaacaaga

aactggtttc cgtcttcacg gacttcgttg ctttccagtt tagcaatacg cttactccca

tccgagataa caccttcgta atactcacgc tgctcgttga gttttgattt tgctgtttca

agctcaacac gcagtttccc tactgttagc gcaatatcct cgttctcctg gtcgcggcgt

ttgatgtatt gctggtttct ttcccgttca tccagcagtt ccagcacaat cgatggtgtt

accaattcat ggaaaaggtc tgcgtcaaat ccccagtcgt catgcattgc ctgctctgcc

gcttcacgca gtgcctgaga gttaatttcg ctcacttcga acctctctgt ttactgataa

gttccagatc ctcctggcaa cttgcacaag tccgacaacc ctgaacgacc aggcgtcttc

gttcatctat cggatcgcca cactcacaac aatgagtggc agatatagcc tggtggttca

ggcggcgcat ttttattgct gtgttgcgct gtaattcttc tatttctgat gctgaatcaa

tgatgtctgc catctttcat taatccctga actgttggtt aatacgcttg agggtgaatg

cgaataataa aaaaggagcc tgtagctccc tgatgatttt gcttttcatg ttcatcgttc

cttaaagacg ccgtttaaca tgccgattgc caggcttaaa tgagtcggtg tgaatcccat

cagcgttacc gtttcgcggt gcttcttcag tacgctacgg caaatgtcat cgacgttttt

atccggaaac tgctgtctgg ctttttttga tttcagaatt agcctgacgg gcaatgctgc

gaagggcgtt ttcctgctga ggtgtcattg aacaagtccc atgtcggcaa gcataagcac

acagaatatg aagcccgctg ccagaaaaat gcattccgtg gttgtcatac ctggtttctc

tcatctgctt ctgctttcgc caccatcatt tccagctttt gtgaaaggga tgcggctaac

gtatgaaatt cttcgtctgt ttctactggt attggcacaa acctgattcc aatttgagca

aggctatgtg ccatctcgat actcgttctt aactcaacag aagatgcttt gtgcatacag

cccctcgttt attatttatc tcctcagcca gccgctgtgc tttcagtgga tttcggataa

cagaaaggcc gggaaatacc cagcctcgct ttgtaacgga gtagacgaaa gtgattgcgc

ctacccggat attatcgtga ggatgcgtca tcgccattgc tccccaaata caaaaccaat

ttcagccagt gcctcgtcca ttttttcgat gaactccggc acgatctcgt caaaactcgc

catgtacttt tcatcccgct caatcacgac ataatgcagg ccttcacgct tcatacgcgg

gtcatagttg gcaaagtacc aggcattttt tcgcgtcacc cacatgctgt actgcacctg

ggccatgtaa gctgacttta tggcctcgaa accaccgagc cggaacttca tgaaatcccg

ggaggtaaac gggcatttca gttcaaggcc gttgccgtca ctgcataaac catcgggaga

gcaggcggta cgcatacttt cgtcgcgata gatgatcggg gattcagtaa cattcacgcc

ggaagtgaat tcaaacaggg ttctggcgtc gttctcgtac tgttttcccc aggccagtgc

tttagcgtta acttccggag ccacaccggt gcaaacctca gcaagcaggg tgtggaagta

ggacattttc atgtcaggcc acttctttcc ggagcggggt tttgctatca cgttgtgaac

ttctgaagcg gtgatgacgc cgagccgtaa tttgtgccac gcatcatccc cctgttcgac

agctctcaca tcgatcccgg tacgctgcag gataatgtcc ggtgtcatgc tgccaccttc

tgctctgcgg ctttctgttt caggaatcca agagctttta ctgcttcggc ctgtgtcagt

tctgacgatg cacgaatgtc gcggcgaaat atctgggaac agagcggcaa taagtcgtca

tcccatgttt tatccagggc gatcagcaga gtgttaatct cctgcatggt ttcatcgtta

accggagtga tgtcgcgttc cggctgacgt tctgcagtgt atgcagtatt ttcgacaatg

cgctcggctt catccttgtc atagatacca gcaaatccga aggccagacg ggcacactga

atcatggctt tatgacgtaa catccgtttg ggatgcgact gccacggccc cgtgatttct

ctgccttcgc gagttttgaa tggttcgcgg cggcattcat ccatccattc ggtaacgcag

atcggatgat tacggtcctt gcggtaaatc cggcatgtac aggattcatt gtcctgctca

aagtccatgc catcaaactg ctggttttca ttgatgatgc gggaccagcc atcaacgccc

accaccggaa cgatgccatt ctgcttatca ggaaaggcgt aaatttcttt cgtccacgga

ttaaggccgt actggttggc aacgatcagt aatgcgatga actgcgcatc gctggcatca

cctttaaatg ccgtctggcg aagagtggtg atcagttcct gtgggtcgac agaatccatg

ccgacacgtt cagccagctt cccagccagc gttgcgagtg cagtactcat tcgttttata

cctctgaatc aatatcaacc tggtggtgag caatggtttc aaccatgtac cggatgtgtt

ctgccatgcg ctcctgaaac tcaacatcgt catcaaacgc acgggtaatg gattttttgc

tggccccgtg gcgttgcaaa tgatcgatgc atagcgattc aaacaggtgc tggggcaggc

ctttttccat gtcgtctgcc agttctgcct ctttctcttc acgggcgagc tgctggtagt

gacgcgccca gctctgagcc tcaagacgat cctgaatgta ataagcgttc atggctgaac

tcctgaaata gctgtgaaaa tatcgcccgc gaaatgccgg gctgattagg aaaacaggaa

agggggttag tgaatgcttt tgcttgatct cagtttcagt attaatatcc attttttata

agcgtcgacg gcttcacgaa acatcttttc atcgccaata aaagtggcga tagtgaattt

agtctggata gccataagtg tttgatccat tctttgggac tcctggctga ttaagtatgt

cgataaggcg tttccatccg tcacgtaatt tacgggtgat tcgttcaagt aaagattcgg

aagggcagcc agcaacaggc caccctgcaa tggcatattg catggtgtgc tccttattta

tacataacga aaaacgcctc gagtgaagcg ttattggtat gcggtaaaac cgcactcagg

cggccttgat agtcatatca tctgaatcaa atattcctga tgtatcgata tcggtaattc

ttattccttc gctaccatcc attggaggcc atccttcctg accatttcca tcattccagt

cgaactcaca cacaacacca tatgcattta agtcgcttga aattgctata agcagagcat

gttgcgccag catgattaat acagcattta atacagagcc gtgtttattg agtcggtatt

cagagtctga ccagaaatta ttaatctggt gaagtttttc ctctgtcatt acgtcatggt

cgatttcaat ttctattgat gctttccagt cgtaatcaat gatgtatttt ttgatgtttg

acatctgttc atatcctcac agataaaaaa tcgccctcac actggagggc aaagaagatt

tccaataatc agaacaagtc ggctcctgtt tagttacgag cgacattgct ccgtgtattc

actcgttgga atgaatacac agtgcagtgt ttattctgtt atttatgcca aaaataaagg

ccactatcag gcagctttgt tgttctgttt accaagttct ctggcaatca ttgccgtcgt

tcgtattgcc catttatcga catatttccc atcttccatt acaggaaaca tttcttcagg

cttaaccatg cattccgatt gcagcttgca tccattgcat cgcttgaatt gtccacacca

ttgattttta tcaatagtcg tagtcatacg gatagtcctg gtattgttcc atcacatcct

gaggatgctc ttcgaactct tcaaattctt cttccatata tcaccttaaa tagtggattg

cggtagtaaa gattgtgcct gtcttttaac cacatcaggc tcggtggttc tcgtgtaccc

ctacagcgag aaatcggata aactattaca acccctacag tttgatgagt atagaaatgg

atccactcgt tattctcgga cgagtgttca gtaatgaacc tctggagaga accatgtata

tgatcgttat ctgggttgga cttctgcttt taagcccaga taactggcct gaatatgtta

atgagagaat cggtattcct catgtgtggc atgttttcgt ctttgctctt gcattttcgc

tagcaattaa tgtgcatcga ttatcagcta ttgccagcgc cagatataag cgatttaagc

taagaaaacg cattaagatg caaaacgata aagtgcgatc agtaattcaa aaccttacag

aagagcaatc tatggttttg tgcgcagccc ttaatgaagg caggaagtat gtggttacat

caaaacaatt cccatacatt agtgagttga ttgagcttgg tgtgttgaac aaaacttttt

cccgatggaa tggaaagcat atattattcc ctattgagga tatttactgg actgaattag

ttgccagcta tgatccatat aatattgaga taaagccaag gccaatatct aagtaactag

ataagaggaa tcgattttcc cttaattttc tggcgtccac tgcatgttat gccgcgttcg

ccaggcttgc tgtaccatgt gcgctgattc ttgcgctcaa tacgttgcag gttgctttca

atctgtttgt ggtattcagc cagcactgta aggtctatcg gatttagtgc gctttctact

cgtgatttcg gtttgcgatt cagcgagaga atagggcggt taactggttt tgcgcttacc

ccaaccaaca ggggatttgc tgctttccat tgagcctgtt tctctgcgcg acgttcgcgg

cggcgtgttt gtgcatccat ctggattctc ctgtcagtta gctttggtgg tgtgtggcag

ttgtagtcct gaacgaaaac cccccgcgat tggcacattg gcagctaatc cggaatcgca

cttacggcca atgcttcgtt tcgtatcaca caccccaaag ccttctgctt tgaatgctgc

ccttcttcag ggcttaattt ttaagagcgt caccttcatg gtggtcagtg cgtcctgctg

atgtgctcag tatcaccgcc agtggtattt atgtcaacac cgccagagat aatttatcac

cgcagatggt tatctgtatg ttttttatat gaatttattt tttgcagggg ggcattgttt

ggtaggtgag agatctgaat tgctatgttt agtgagttgt atctatttat ttttcaataa

atacaattgg ttatgtgttt tgggggcgat cgtgaggcaa agaaaacccg gcgctgaggc

cgggttattc ttgttctctg gtcaaattat atagttggaa aacaaggatg catatatgaa

tgaacgatgc agaggcaatg ccgatggcga tagtgggtat catgtagccg cttatgctgg

aaagaagcaa taacccgcag aaaaacaaag ctccaagctc aacaaaacta agggcataga

caataactac cgatgtcata tacccatact ctctaatctt ggccagtcgg cgcgttctgc

ttccgattag aaacgtcaag gcagcaatca ggattgcaat catggttcct gcatatgatg

acaatgtcgc cccaagacca tctctatgag ctgaaaaaga aacaccagga atgtagtggc

ggaaaaggag atagcaaatg cttacgataa cgtaaggaat tattactatg taaacaccag

gcatgattct gttccgcata attactcctg ataattaatc cttaactttg cccacctgcc

ttttaaaaca ttccagtata tcacttttca ttcttgcgta gcaatatgcc atctcttcag

ctatctcagc attggtgacc ttgttcagag gcgctgagag atggcctttt tctgatagat

aatgttctgt taaaatatct ccggcctcat cttttgcccg caggctaatg tctgaaaatt

gaggtgacgg gttaaaaata atatccttgg caaccttttt tatatccctt ttaaattttg

gcttaatgac tatatccaat gagtcaaaaa gctccccttc aatatctgtt gcccctaaga

cctttaatat atcgccaaat acaggtagct tggcttctac cttcaccgtt gttcggccga

tgaaatgcat atgcataaca tcgtctttgg tggttcccct catcagtggc tctatctgaa

cgcgctctcc actgcttaat gacattcctt tcccgattaa aaaatctgtc agatcggatg

tggtcggccc gaaaacagtt ctggcaaaac caatggtgtc gccttcaaca aacaaaaaag

atgggaatcc caatgattcg tcatctgcga ggctgttctt aatatcttca actgaagctt

tagagcgatt tatcttctga accagactct tgtcatttgt tttggtaaag agaaaagttt

ttccatcgat tttatgaata tacaaataat tggagccaac ctgcaggtga tgattatcag

ccagcagaga attaaggaaa acagacaggt ttattgagcg cttatctttc cctttatttt

tgctgcggta agtcgcataa aaaccattct tcataattca atccatttac tatgttatgt

tctgagggga gtgaaaattc ccctaattcg atgaagattc ttgctcaatt gttatcagct

atgcgccgac cagaacacct tgccgatcag ccaaacgtct cttcaggcca ctgactagcg

ataactttcc ccacaacgga acaactctca ttgcatggga tcattgggta ctgtgggttt

agtggttgta aaaacacctg accgctatcc ctgatcagtt tcttgaaggt aaactcatca

cccccaagtc tggctatgca gaaatcacct ggctcaacag cctgctcagg gtcaacgaga

attaacattc cgtcaggaaa gcttggcttg gagcctgttg gtgcggtcat ggaattacct

tcaacctcaa gccagaatgc agaatcactg gcttttttgg ttgtgcttac ccatctctcc

gcatcacctt tggtaaaggt tctaagctca ggtgagaaca tccctgcctg aacatgagaa

aaaacagggt actcatactc acttctaagt gacggctgca tactaaccgc ttcatacatc

tcgtagattt ctctggcgat tgaagggcta aattcttcaa cgctaacttt gagaattttt

gcaagcaatg cggcgttata agcatttaat gcattgatgc cattaaataa agcaccaacg

cctgactgcc ccatccccat cttgtctgcg acagattcct gggataagcc aagttcattt

ttcttttttt cataaattgc tttaaggcga cgtgcgtcct caagctgctc ttgtgttaat

ggtttctttt ttgtgctcat acgttaaatc tatcaccgca agggataaat atctaacacc

gtgcgtgttg actattttac ctctggcggt gataatggtt gcatgtacta aggaggttgt

atggaacaac gcataaccct gaaagattat gcaatgcgct ttgggcaaac caagacagct

aaagatctcg gcgtatatca aagcgcgatc aacaaggcca ttcatgcagg ccgaaagatt

tttttaacta taaacgctga tggaagcgtt tatgcggaag aggtaaagcc cttcccgagt

aacaaaaaaa caacagcata aataaccccg ctcttacaca ttccagccct gaaaaagggc

atcaaattaa accacaccta tggtgtatgc atttatttgc atacattcaa tcaattgtta

tctaaggaaa tacttacata tggttcgtgc aaacaaacgc aacgaggctc tacgaatcga

gagtgcgttg cttaacaaaa tcgcaatgct tggaactgag aagacagcgg aagctgtggg

cgttgataag tcgcagatca gcaggtggaa gagggactgg attccaaagt tctcaatgct

gcttgctgtt cttgaatggg gggtcgttga cgacgacatg gctcgattgg cgcgacaagt

tgctgcgatt ctcaccaata aaaaacgccc ggcggcaacc gagcgttctg aacaaatcca

gatggagttc tgaggtcatt actggatcta tcaacaggag tcattatgac aaatacagca

aaaatactca acttcggcag aggtaacttt gccggacagg agcgtaatgt ggcagatctc

gatgatggtt acgccagact atcaaatatg ctgcttgagg cttattcggg cgcagatctg

accaagcgac agtttaaagt gctgcttgcc attctgcgta aaacctatgg gtggaataaa

ccaatggaca gaatcaccga ttctcaactt agcgagatta caaagttacc tgtcaaacgg

tgcaatgaag ccaagttaga actcgtcaga atgaatatta tcaagcagca aggcggcatg

tttggaccaa ataaaaacat ctcagaatgg tgcatccctc aaaacgaggg aaaatcccct

aaaacgaggg ataaaacatc cctcaaattg ggggattgct atccctcaaa acagggggac

acaaaagaca ctattacaaa agaaaaaaga aaagattatt cgtcagagaa ttctggcgaa

tcctctgacc agccagaaaa cgacctttct gtggtgaaac cggatgctgc aattcagagc

ggcagcaagt gggggacagc agaagacctg accgccgcag agtggatgtt tgacatggtg

aagactatcg caccatcagc cagaaaaccg aattttgctg ggtgggctaa cgatatccgc

ctgatgcgtg aacgtgacgg acgtaaccac cgcgacatgt gtgtgctgtt ccgctgggca

tgccaggaca acttctggtc cggtaacgtg ctgagcccgg ccaaactccg cgataagtgg

acccaactcg aaatcaaccg taacaagcaa caggcaggcg tgacagccag caaaccaaaa

ctcgacctga caaacacaga ctggatttac ggggtggatc tatgaaaaac atcgccgcac

agatggttaa ctttgaccgt gagcagatgc gtcggatcgc caacaacatg ccggaacagt

acgacgaaaa gccgcaggta cagcaggtag cgcagatcat caacggtgtg ttcagccagt

tactggcaac tttcccggcg agcctggcta accgtgacca gaacgaagtg aacgaaatcc

gtcgccagtg ggttctggct tttcgggaaa acgggatcac cacgatggaa caggttaacg

caggaatgcg cgtagcccgt cggcagaatc gaccatttct gccatcaccc gggcagtttg

ttgcatggtg ccgggaagaa gcatccgtta ccgccggact gccaaacgtc agcgagctgg

ttgatatggt ttacgagtat tgccggaagc gaggcctgta tccggatgcg gagtcttatc

cgtggaaatc aaacgcgcac tactggctgg ttaccaacct gtatcagaac atgcgggcca

atgcgcttac tgatgcggaa ttacgccgta aggccgcaga tgagcttgtc catatgactg

cgagaattaa ccgtggtgag gcgatccctg aaccagtaaa acaacttcct gtcatgggcg

gtagacctct aaatcgtgca caggctctgg cgaagatcgc agaaatcaaa gctaagttcg

gactgaaagg agcaagtgta tgacgggcaa agaggcaatt attcattacc tggggacgca

taatagcttc tgtgcgccgg acgttgccgc gctaacaggc gcaacagtaa ccagcataaa

tcaggccgcg gctaaaatgg cacgggcagg tcttctggtt atcgaaggta aggtctggcg

aacggtgtat taccggtttg ctaccaggga agaacgggaa ggaaagatga gcacgaacct

ggtttttaag gagtgtcgcc agagtgccgc gatgaaacgg gtattggcgg tatatggagt

taaaagatga ccatctacat tactgagcta ataacaggcc tgctggtaat cgcaggcctt

tttatttggg ggagagggaa gtcatgaaaa aactaacctt tgaaattcga tctccagcac

atcagcaaaa cgctattcac gcagtacagc aaatccttcc agacccaacc aaaccaatcg

tagtaaccat tcaggaacgc aaccgcagct tagaccaaaa caggaagcta tgggcctgct

taggtgacgt ctctcgtcag gttgaatggc atggtcgctg gctggatgca gaaagctgga

agtgtgtgtt taccgcagca ttaaagcagc aggatgttgt tcctaacctt gccgggaatg

gctttgtggt aataggccag tcaaccagca ggatgcgtgt aggcgaattt gcggagctat

tagagcttat acaggcattc ggtacagagc gtggcgttaa gtggtcagac gaagcgagac

tggctctgga gtggaaagcg agatggggag acagggctgc atgataaatg tcgttagttt

ctccggtggc aggacgtcag catatttgct ctggctaatg gagcaaaagc gacgggcagg

taaagacgtg cattacgttt tcatggatac aggttgtgaa catccaatga catatcggtt

tgtcagggaa gttgtgaagt tctgggatat accgctcacc gtattgcagg ttgatatcaa

cccggagctt ggacagccaa atggttatac ggtatgggaa ccaaaggata ttcagacgcg

aatgcctgtt ctgaagccat ttatcgatat ggtaaagaaa tatggcactc catacgtcgg

cggcgcgttc tgcactgaca gattaaaact cgttcccttc accaaatact gtgatgacca

tttcgggcga gggaattaca ccacgtggat tggcatcaga gctgatgaac cgaagcggct

aaagccaaag cctggaatca gatatcttgc tgaactgtca gactttgaga aggaagatat

cctcgcatgg tggaagcaac aaccattcga tttgcaaata ccggaacatc tcggtaactg

catattctgc attaaaaaat caacgcaaaa aatcggactt gcctgcaaag atgaggaggg

attgcagcgt gtttttaatg aggtcatcac gggatcccat gtgcgtgacg gacatcggga

aacgccaaag gagattatgt accgaggaag aatgtcgctg gacggtatcg cgaaaatgta

ttcagaaaat gattatcaag ccctgtatca ggacatggta cgagctaaaa gattcgatac

cggctcttgt tctgagtcat gcgaaatatt tggagggcag cttgatttcg acttcgggag

ggaagctgca tgatgcgatg ttatcggtgc ggtgaatgca aagaagataa ccgcttccga

ccaaatcaac cttactggaa tcgatggtgt ctccggtgtg aaagaacacc aacaggggtg

ttaccactac cgcaggaaaa ggaggacgtg tggcgagaca gcgacgaagt atcaccgaca

taatctgcga aaactgcaaa taccttccaa cgaaacgcac cagaaataaa cccaagccaa

tcccaaaaga atctgacgta aaaaccttca actacacggc tcacctgtgg gatatccggt

ggctaagacg tcgtgcgagg aaaacaaggt gattgaccaa aatcgaagtt acgaacaaga

aagcgtcgag cgagctttaa cgtgcgctaa ctgcggtcag aagctgcatg tgctggaagt

tcacgtgtgt gagcactgct gcgcagaact gatgagcgat ccgaatagct cgatgcacga

ggaagaagat gatggctaaa ccagcgcgaa gacgatgtaa aaacgatgaa tgccgggaat

ggtttcaccc tgcattcgct aatcagtggt ggtgctctcc agagtgtgga accaagatag

cactcgaacg acgaagtaaa gaacgcgaaa aagcggaaaa agcagcagag aagaaacgac

gacgagagga gcagaaacag aaagataaac ttaagattcg aaaactcgcc ttaaagcccc

gcagttactg gattaaacaa gcccaacaag ccgtaaacgc cttcatcaga gaaagagacc

gcgacttacc atgtatctcg tgcggaacgc tcacgtctgc tcagtgggat gccggacatt

accggacaac tgctgcggca cctcaactcc gatttaatga acgcaatatt cacaagcaat

gcgtggtgtg caaccagcac aaaagcggaa atctcgttcc gtatcgcgtc gaactgatta

gccgcatcgg gcaggaagca gtagacgaaa tcgaatcaaa ccataaccgc catcgctgga

ctatcgaaga gtgcaaggcg atcaaggcag agtaccaaca gaaactcaaa gacctgcgaa

atagcagaag tgaggccgca tgacgttctc agtaaaaacc attccagaca tgctcgttga

agcatacgga aatcagacag aagtagcacg cagactgaaa tgtagtcgcg gtacggtcag

aaaatacgtt gatgataaag acgggaaaat gcacgccatc gtcaacgacg ttctcatggt

tcatcgcgga tggagtgaaa gagatgcgct attacgaaaa aattgatggc agcaaatacc

gaaatatttg ggtagttggc gatctgcacg gatgctacac gaacctgatg aacaaactgg

atacgattgg attcgacaac aaaaaagacc tgcttatctc ggtgggcgat ttggttgatc

gtggtgcaga gaacgttgaa tgcctggaat taatcacatt cccctggttc agagctgtac

gtggaaacca tgagcaaatg atgattgatg gcttatcaga gcgtggaaac gttaatcact

ggctgcttaa tggcggtggc tggttcttta atctcgatta cgacaaagaa attctggcta

aagctcttgc ccataaagca gatgaacttc cgttaatcat cgaactggtg agcaaagata

aaaaatatgt tatctgccac gccgattatc cctttgacga atacgagttt ggaaagccag

ttgatcatca gcaggtaatc tggaaccgcg aacgaatcag caactcacaa aacgggatcg

tgaaagaaat caaaggcgcg gacacgttca tctttggtca tacgccagca gtgaaaccac

tcaagtttgc caaccaaatg tatatcgata ccggcgcagt gttctgcgga aacctaacat

tgattcaggt acagggagaa ggcgcatgag actcgaaagc gtagctaaat ttcattcgcc

aaaaagcccg atgatgagcg actcaccacg ggccacggct tctgactctc tttccggtac

tgatgtgatg gctgctatgg ggatggcgca atcacaagcc ggattcggta tggctgcatt

ctgcggtaag cacgaactca gccagaacga caaacaaaag gctatcaact atctgatgca

atttgcacac aaggtatcgg ggaaataccg tggtgtggca aagcttgaag gaaatactaa

ggcaaaggta ctgcaagtgc tcgcaacatt cgcttatgcg gattattgcc gtagtgccgc

gacgccgggg gcaagatgca gagattgcca tggtacaggc cgtgcggttg atattgccaa

aacagagctg tgggggagag ttgtcgagaa agagtgcgga agatgcaaag gcgtcggcta

ttcaaggatg ccagcaagcg cagcatatcg cgctgtgacg atgctaatcc caaaccttac

ccaacccacc tggtcacgca ctgttaagcc gctgtatgac gctctggtgg tgcaatgcca

caaagaagag tcaatcgcag acaacatttt gaatgcggtc acacgttagc agcatgattg

ccacggatgg caacatatta acggcatgat attgacttat tgaataaaat tgggtaaatt

tgactcaacg atgggttaat tcgctcgttg tggtagtgag atgaaaagag gcggcgctta

ctaccgattc cgcctagttg gtcacttcga cgtatcgtct ggaactccaa ccatcgcagg

cagagaggtc tgcaaaatgc aatcccgaaa cagttcgcag gtaatagtta gagcctgcat

aacggtttcg ggatttttta tatctgcaca acaggtaaga gcattgagtc gataatcgtg

aagagtcggc gagcctggtt agccagtgct ctttccgttg tgctgaatta agcgaatacc

ggaagcagaa ccggatcacc aaatgcgtac aggcgtcatc gccgcccagc aacagcacaa

cccaaactga gccgtagcca ctgtctgtcc tgaattcatt agtaatagtt acgctgcggc

cttttacaca tgaccttcgt gaaagcgggt ggcaggaggt cgcgctaaca acctcctgcc

gttttgcccg tgcatatcgg tcacgaacaa atctgattac taaacacagt agcctggatt

tgttctatca gtaatcgacc ttattcctaa ttaaatagag caaatcccct tattgggggt

aagacatgaa gatgccagaa aaacatgacc tgttggccgc cattctcgcg gcaaaggaac

aaggcatcgg ggcaatcctt gcgtttgcaa tggcgtacct tcgcggcaga tataatggcg

gtgcgtttac aaaaacagta atcgacgcaa cgatgtgcgc cattatcgcc tggttcattc

gtgaccttct cgacttcgcc ggactaagta gcaatctcgc ttatataacg agcgtgttta

tcggctacat cggtactgac tcgattggtt cgcttatcaa acgcttcgct gctaaaaaag

ccggagtaga agatggtaga aatcaataat caacgtaagg cgttcctcga tatgctggcg

tggtcggagg gaactgataa cggacgtcag aaaaccagaa atcatggtta tgacgtcatt

gtaggcggag agctatttac tgattactcc gatcaccctc gcaaacttgt cacgctaaac

ccaaaactca aatcaacagg cgccggacgc taccagcttc tttcccgttg gtgggatgcc

taccgcaagc agcttggcct gaaagacttc tctccgaaaa gtcaggacgc tgtggcattg

cagcagatta aggagcgtgg cgctttacct atgattgatc gtggtgatat ccgtcaggca

atcgaccgtt gcagcaatat ctgggcttca ctgccgggcg ctggttatgg tcagttcgag

cataaggctg acagcctgat tgcaaaattc aaagaagcgg gcggaacggt cagagagatt

gatgtatgag cagagtcacc gcgattatct ccgctctggt tatctgcatc atcgtctgcc

tgtcatgggc tgttaatcat taccgtgata acgccattac ctacaaagcc cagcgcgaca

aaaatgccag agaactgaag ctggcgaacg cggcaattac tgacatgcag atgcgtcagc

gtgatgttgc tgcgctcgat gcaaaataca cgaaggagtt agctgatgct aaagctgaaa

atgatgctct gcgtgatgat gttgccgctg gtcgtcgtcg gttgcacatc aaagcagtct

gtcagtcagt gcgtgaagcc accaccgcct ccggcgtgga taatgcagcc tccccccgac

tggcagacac cgctgaacgg gattatttca ccctcagaga gaggctgatc actatgcaaa

aacaactgga aggaacccag aagtatatta atgagcagtg cagatagagt tgcccatatc

gatgggcaac tcatgcaatt attgtgagca atacacacgc gcttccagcg gagtataaat

gcctaaagta ataaaaccga gcaatccatt tacgaatgtt tgctgggttt ctgttttaac

aacattttct gcgccgccac aaattttggc tgcatcgaca gttttcttct gcccaattcc

agaaacgaag aaatgatggg tgatggtttc ctttggtgct actgctgccg gtttgttttg

aacagtaaac gtctgttgag cacatcctgt aataagcagg gccagcgcag tagcgagtag

catttttttc atggtgttat tcccgatgct ttttgaagtt cgcagaatcg tatgtgtaga

aaattaaaca aaccctaaac aatgagttga aatttcatat tgttaatatt tattaatgta

tgtcaggtgc gatgaatcgt cattgtattc ccggattaac tatgtccaca gccctgacgg

ggaacttctc tgcgggagtg tccgggaata attaaaacga tgcacacagg gtttagcgcg

tacacgtatt gcattatgcc aacgccccgg tgctgacacg gaagaaaccg gacgttatga

tttagcgtgg aaagatttgt gtagtgttct gaatgctctc agtaaatagt aatgaattat

caaaggtata gtaatatctt ttatgttcat ggatatttgt aacccatcgg aaaactcctg

ctttagcaag attttccctg tattgctgaa atgtgatttc tcttgatttc aacctatcat

aggacgtttc tataagatgc gtgtttcttg agaatttaac atttacaacc tttttaagtc

cttttattaa cacggtgtta tcgttttcta acacgatgtg aatattatct gtggctagat

agtaaatata atgtgagacg ttgtgacgtt ttagttcaga ataaaacaat tcacagtcta

aatcttttcg cacttgatcg aatatttctt taaaaatggc aacctgagcc attggtaaaa

ccttccatgt gatacgaggg cgcgtagttt gcattatcgt ttttatcgtt tcaatctggt

ctgacctcct tgtgttttgt tgatgattta tgtcaaatat taggaatgtt ttcacttaat

agtattggtt gcgtaacaaa gtgcggtcct gctggcattc tggagggaaa tacaaccgac

agatgtatgt aaggccaacg tgctcaaatc ttcatacaga aagatttgaa gtaatatttt

aaccgctaga tgaagagcaa gcgcatggag cgacaaaatg aataaagaac aatctgctga

tgatccctcc gtggatctga ttcgtgtaaa aaatatgctt aatagcacca tttctatgag

ttaccctgat gttgtaattg catgtataga acataaggtg tctctggaag cattcagagc

aattgaggca gcgttggtga agcacgataa taatatgaag gattattccc tggtggttga

ctgatcacca taactgctaa tcattcaaac tatttagtct gtgacagagc caacacgcag

tctgtcactg tcaggaaagt ggtaaaactg caactcaatt actgcaatgc cctcgtaatt

aagtgaattt acaatatcgt cctgttcgga gggaagaacg cgggatgttc attcttcatc

acttttaatt gatgtatatg ctctcttttc tgacgttagt ctccgacggc aggcttcaat

gacccaggct gagaaattcc cggacccttt ttgctcaaga gcgatgttaa tttgttcaat

catttggtta ggaaagcgga tgttgcgggt tgttgttctg cgggttctgt tcttcgttga

catgaggttg ccccgtattc agtgtcgctg atttgtattg tctgaagttg tttttacgtt

aagttgatgc agatcaatta atacgatacc tgcgtcataa ttgattattt gacgtggttt

gatggcctcc acgcacgttg tgatatgtag atgataatca ttatcacttt acgggtcctt

tccggtgatc cgacaggtta cg