



ORIGIN

1 actagtgtgt gtccaaccg ctcgacgggg gcagcgcaag gcggtgcctc cggcgggcca
 61 ctcaatgctt gagtatact actagacttt gcttcgaaa gtcgtgaccg cctacggcgg
 121 ctgcgggcc ctacgggctt gctctcggg cttcgccctg cgcggtcgtc gcgctcctt
 181 gccagcccg ggatattggt acgatggcgg cgagcggcca ccggtggtc cgcttcgctc
 241 ggcccggtga caacctgct ggacaagctg atggacaggc tgcgctgcc cagagcttg
 301 accacaggga ttgccaccg gctaccaccg cttgaccac ataccaccg gctccaactg
 361 cggcgctgc ggcctgccc catcaatttt ttaattttc tctgggaaa agcctccggc
 421 ctgcggcctg cgcgcttcg ttccggttg gacaccaagt ggaaggcggg tcaaggctcg
 481 cgcagcgacc gcgagcggc ttggccttga cgcgcttga acgaccaag cctatcgag
 541 tggggcagt cgaaggcga gcccccgc ctgccccg agcctcagg cggcagtg
 601 ggggttcca aggggcagc gccacctgg gcaaggcca aggccgca gtcgatcaac
 661 aagccccga ggggccactt ttgccggag ggggagccgc gccgaaggc tgggggaacc
 721 ccgagggtt gccctttt gggcacaaa gaactagata tagggcga tgcgaaagac

781 ttaaaaatca acaacttaaa aaaggggggt acgcaacagc tcattgcggc accccccga
841 atagctcatt gcgtaggta aagaaaatct gtaattgact gccacttta cgcaacgcat
901 aattgttgtc gcgctgccga aaagttgcag ctgattgcgc atgggtccgc aaccgtgcgg
961 caccctaccg catggagata agcatggcca cgcagtccag agaaatcggc attcaagcca
1021 agaacaagcc cggctactgg gtgcaaacgg aacgcaaagc gcatgaggcg tgggccgggc
1081 ttattgcgag gaaaccacg gcggcaatgc tgctgcatca cctcgtggcg cagatgggcc
1141 accagaacgc cgtggtggtc agccagaaga cactttcaa gctcatcgga cgttcttgc
1201 ggacggtcca atacgcagtc aaggacttgg tggccgagcg ctggatcctc gtcgtgaagc
1261 tcaacggccc cggcaccgtg tcggcctacg tggtaatga ccgctggcg tggggccagc
1321 ccccgacca gttgcctg tcggtgtca gtgcccgct ggtggtgat cacgacgacc
1381 aggacgaatc gctgtgggg catggcgacc tgcgcccat cccgacctg tatccggcg
1441 agcagcaact accgaccgc cccggcgagg agccgccag ccagccggc attccgggca
1501 tggaaccaga cctgccagcc ttgaccgaaa cggaggaatg ggaacggcg gggcagcagc
1561 gcctgccg gatgccgatg ccgtgtttc tggacgatgg cgagccgtg gagccgcca
1621 cacgggtcac gctgccgcg cggtagcact tgggttgcgc agcaacctg aagtgcgctg
1681 ttccagacta tcggctgtag ccgctcgcc gccctatacc ttgtctgct ccccgcttg
1741 cgtcgggtg catggagccg ggccacctg acctgaatgg aagccgggat ccactagt
1801 tagagcgcc gccaccgcg tggagctcca attcgccta tagtgatcg tattacaatt
1861 cactggcctg cgttttcaa cgtcgtgact gggaaaacc tggcgttacc caactaatc
1921 gcctgcagc acatcccc ttcgccagct ggcgtaatg cgaagaggcc cgcaccgatc
1981 gcccttcca acagttgcgc agcctgaatg gcgaatggcg cgacgcgcc ttagcggcg
2041 cattaagcgc ggcgggtgtg gtggttacgc gcagcgtgac cgctacactt gccagcggc
2101 tagcgccgc tcttctgct ttctccctt ctttctcgc cagttcgcc ggtttccc
2161 gtcaagctct aatcggggg ctcccttag ggtccgatt tagtcttta cggcacctc
2221 acccaaaaa acttgattag ggtgatggtt cacgtatgg gccatcgcc tgatagacgg
2281 ttttgcgcc tttgacttg gactcacgt tcttaaatg tggactctg ttcaaaactg
2341 gaacaacact caacctatc tcggtctatt ctttgattt ataaggatt ttgccgatt
2401 cggctattg gttaaaaaat gagctgattt aaaaaaatt taacgcaat ttaaaaaa
2461 tattaacgtt tacaatttc tgatcggta tttctcctt acgatctgt gcggtattc
2521 acaccgagg gtaataactg atataataa attgaagctc taatttga gtttagtata
2581 catgattta ctataatac agtttttag tttgctggc cgcattctt caaatatgct
2641 tcccagctg ttttctgta acgttacc tctacctag catccttc ctttcaaat
2701 agtctcttc caacaataat aatgtagat cctgtagaga ccacatcgc caggttcta
2761 tactgttag ccaatgcgc tccttgta tctaaacca caccgggtg cataatcaac
2821 caatcgaac ctctctct tccaccatg tctctttag caataagcc gataaaaa
2881 tcttctgc tctcgcaat gtcaacagta cccttagtat attctcagt agataggag

2941 cccttgcatg acaattctgc taacatcaaa aggcctctag gttcctttgt tacttcttct
3001 gccgctgct tcaaaccgct aacaatacct gggcccacca caccgtgtgc atcgtaatg
3061 tctgccatt ctgctattct gtatacacc gcagagtact gcaattgac tgtattacca
3121 atgtcagcaa attttctgtc ttcgaagagt aaaaaattgt acttgccgga taatgccttt
3181 agcggcttaa ctgtccctc catgaaaaa tcagtcaaga tatccacatg tgttttagt
3241 aaacaaattt tgggacctaa tgcttcaact aactccagta atccttggg ggtacgaaca
3301 tccaatgaag cacacaagt tgtttgcttt tctgcatga tattaatag cttggcagca
3361 acaggactag gatgagtagc agcacgttc ttatatgtag ctttcgacat gatttatctt
3421 cgtttctgc aggttttgt tctgtcagt tgggtaaga atactgggca atttcatgtt
3481 tcttaacac tacatatgcg tatatatac aatctaagtc tctgctcctt cctctgtct
3541 tccttctgtt cggagattac cgaatcaaaa aaatttcaaa gaaaccgaaa tcaaaaaaaaa
3601 gaataaaaaa aaaatgatga attgaattga aaagcgtggt gcactctcag tacaatctgc
3661 tctgatccg catagttaag ccagccccga cacccgcaa cacccgctga cgcgccctga
3721 cgggcttgc tgctcccgcc atccgcttac agacaagctg tgaccgtctc cgggagctgc
3781 atgtgtcaga ggttttacc gtcacaccg aaacgcgca gacgaaaggg cctcgtgata
3841 cgcctatttt tataggttaa tctcatgata ataatggttt cttaggacgg atcgttgcc
3901 tgtaacttac acgcgctcg tatcttttaa tgatggaata attgggaat ttactctgtg
3961 tttattttt tttatgttt gtatttggat ttagaaaagt aaataaagaa ggtagaagag
4021 ttacggaatg aagaaaaaaaa aataaaciaa ggttaaaaa atttcaacia aaagcgtact
4081 ttacatatat atttattaga caagaaaagc agattaaata gatatacatt cgattaacga
4141 taagtaaaa gtaaaatcac aggattttc tctgtgtct tctacacaga caagatgaaa
4201 caattcggca ttaatactg agagcaggaa gagcaagata aaaggtagta tttgttggcg
4261 atccccctag agtcttttac atcttcgaa acaaaaaact atttttctt taatttctt
4321 ttttacttc tattttta tttatattt atattaaaa atttaatta taattttt
4381 tatagcacgt gatgaaaagg acccaggtgg cacttttcgg ggaaatgtgc gcggaacccc
4441 tattgttta ttttctaaa tacattcaa tatgtatccg ctcatgagac aataaccctg
4501 ataatgctt caataatatt gaaaaaggaa gagtatgagt attcaacatt tccgtgtcgc
4561 ccttattccc tttttgcg cattttgct tctgttttt gctcaccag aaacgtggt
4621 gaaagtaaaa gatgctgaag atcagttggg tgcacgagtg ggttacatcg aactggatct
4681 caacagcgtt aagatcctg agagttttc ccccgaagaa cgttttcaa tgatgagcac
4741 ttttaaagtt ctgctatgtg gcgcggtatt atccccgatt gacgccgggc aagagcaact
4801 cggtcggcgc atactatt ctcaaatga cttggtgag tactcaccag tcacagaaaa
4861 gcatcttac gatggcatga cagtaagaga attatgcagt gctgccataa ccatgagtga
4921 taactcgcg gccaaactac ttctgacaac gatcggagga ccgaaggagc taaccgctt
4981 tttcacaac atgggggatc atgtaactc ccttgatcgt tgggaaccgg agctgaatga
5041 agccataca aacgacgagc gtgacaccac gatgcctgta gcaatggcaa caacgttgcg

5101 caaactatta actggcgaac tacttactct agcttcccgg caacaattaa tagactggat
5161 ggaggcggat aaagttgcag gaccacttct gcgctcgcc cttccggctg gctggtttat
5221 tgctgataaa tctggagccg gtgagcgtgg gtctcgggt atcattgcag cactggggcc
5281 agatggtaag ccctcccgta tcgtagtat ctacacgacg ggcagtcagg caactatgga
5341 tgaacgaaat agacagatcg ctgagatagg tgcctcactg attaagcatt ggtaactgtc
5401 agaccaagt tactcatata tactttagat tgattaaaa cttcatttt aattaaaag
5461 gatctagtg aagatccttt ttgataatct catgacaaa atccctaac ggatcgatcc
5521 tgacaggata tattggcggg taaacctaa agaaaagagc gtttattaga ataatcggat
5581 atttaaaagg gcgtgaaaag gtttatccgt tcgtccattt gtatgtgcat gccaaaccaca
5641 gggttccca gatctggcgc cggccagcga gacgagcaag attggccgcg gtcacactgc
5701 ttccgtagt caataaacg gtaaaccagc aatagacata agcggctatt taacaccc
5761 gcctgaacc gacgaccggg tcgaatttc ttcgaacc cagagtccc ctcagaagaa
5821 ctcgtcaaga agcgataga agcgcgctg ctgcgaatcg ggagcggcga taccgtaaag
5881 cacgaggaag cggtcagccc attcggccc aagcttcca gcaatcac gggtagccaa
5941 cgctatgctc tgatagcggc cgcacacacc cagccggcca cagtcgatga atccagaaaa
6001 gcggccattt tccacatga tattcgcaa gcaggcatcg ccatgggtca cgacgagatc
6061 ctcgccgctg ggcatgcgc ccttgagcct ggcaacagt tcggctggcg cgagcccctg
6121 atgctcttc tccagatcat cctgatcgac aagaccggct tccatccgag tacgtgctc
6181 ctcgatgca tgtttcctt ggtggtcga tggcaggta gccgatcaa gcgatgcag
6241 ccgccgatt gcacagcca tgatggatac tttctcgca ggagcaagg gagatgacag
6301 gagatcctgc cccgcactt cgccaatag cagccagtc cttcccctt cagtgacaac
6361 gtcgagcaca gctgcgcaag gaaccccgt cgtggccagc cacgatagcc gcgctgcctc
6421 gtctgcagt tcattcaggg caccggacag gtcggtctt aaaaaagaa ccgggcgcc
6481 ctgctgac agccggaaca cggcggcatc agagcagccg attgtctgt gtgccagtc
6541 atagccgat agccttcca cccaagcggc cggagaacct gcgtgcaatc catctgttc
6601 aatcatgca aacgatcctc atcctgtctc ttgatcagat cttgatccc tgcacctca
6661 gatcctggc ggcaagaaa ccatccagtt tactttgcag ggcttccaa cttaccaga
6721 gggcggccca gctggcaatt ccggttcgct tgctgtccat aaaaccgcc agtctagta
6781 tcgcatgta agcccactgc ctcgag

//