

COMBINING CODES

Rank the following codes and code combinations in order from weakest to strongest, note: ASSUME THAT SPACES ARE REMOVED BEFORE ENCODING and that the messages being encoded are paragraph-length and initially in English.

RANK

- _____ A. Caesar Shift, then Binary Encoding
- _____ B. Binary Encoding, then Caesar Shift
- _____ C. Binary Encoding, then Vigenere with cipher "DOG"
- _____ D. +10 Caesar Shift, then Scytale (C=10)
- _____ E. Binary, then Scytale (C=10)
- _____ F. Vigenere with cipher "HJESYWS"
- _____ G. Scytale (C=10), then Binary
- _____ H. + 16 Caesar Shift, then Scytale
- _____ I. Vigenere with cipher "DOG," then Vigenere with cipher "WALK,"
then Vigenere with cipher "LEASH"
- _____ J. Reverse the entire message, then Caesar Shift +17
- _____ K. +1 Caesar Shift
- _____ L. Scytale (C=5), then Scytale (C=5)
- _____ M. Reverse individual words, then Caesar Shift +17
- _____ N. +17 Caesar Shift, then a +9 Caesar Shift
- _____ O. Vigenere with cipher "DOGWALK," then Scytale (C=10)
- _____ P. Vigenere with cipher "DOGWALKLEASH"
- _____ Q. Scytale (C=10) then Vigenere with cipher "DOGWALK"
- _____ R. Vigenere with cipher "PASSWORD"
- _____ S. +10 Caesar Shift, then a +6 Caesar Shift
- _____ T. Vigenere with cipher "SESQUIPEDALIAN," then Vigenere with
cipher "BIGWORD"

PRIEVIEW OF NEXT WEEK:

This code was made as a combination of the operations below and can be broken with a sequence of the same kinds of operations.

S1:

S1:

S1:

S1:

S1:

S2:

S1:

Example 1:

ZhereysiyonyekalyzaypmaCyneerGy.ekaLyerehZyecnoysaway revyegralyekaly,erehyehyzse
gralyekalyniy.saxeZyZahZysawyrevoayderdnuhysrae y.ogaywoNyziysiyzsujoyay,rdyzalfy.dnal
ezsawyerhZydesuyozyebyaynwozyfoyneerGyekaLysay.llewyehZynwozydelevirhsydnaydeirdyp
uygnolayhziwyehzy,ekalydnayehzyelpoepyohwydevily.erehzygniruDyehzyremmusyehzyemiz
adyeruzarepmezysrevohydnurayevif- zninyseergedyniyehzyfi--edahsyuo ynacydnify nay.edah
sys'erehZyZonyhcumyedahsyniyaygiby rdy.ekalyehZy Inoyseerzyerayowzydloyskaoynehzy
nrezaeyegdeyfoyehzy'.ekal'yAykcommahysiydehczersyneewzebyehzyowzy,seerzydnayagoly
nibacysdnazsydniheby.zahzyehZysrepmacyerayneddibrofyozeyilyniyehzy.kcommahyzlysgnoleby
ozyehzy.nedraWyehZynedraWysnwoyehzyshade.

Example 2:

.fspnztb vpz pu pe tbd ftpztb htjiupt oj fsfiU .ldpnnbi fiu tj fjm etb offsu lbp fiu gp febio fiu putj
ph mmfx ob uihjn vpz ,esbajm efuupqo-xpmmfz b zc tfuujc ufh vpz gJ .ozbxmB .iubfe mvgtjbq
etb xpmo b fje mmjx vpZ .vpz pu tfqqbi tbd ubiu htjiu uospx fiu o'ubiU .esbaajm efuupqo-
xpmmfz b zc tfuujc fc pu utbx u'tpe vpz uvC .flbm fiu tp uvp fmpi b hje pu htjwbi gp ebfuotj ,utfu
oji tj htjsfwpdfs pxu sp zbe b etfqo pu ufh mmjx fi tfiU .flbtofuubs mmbno b tfwf sp ,tpjqspdo
b zc tfuujc fc pu zsu mmjx sfqnd b ofnjufnpO .zmmbvoV .vpz sfiupc u'tpx zfiu ,nfiu sfiupc u'tpe
vpz gJ :otpqjqspdo etb oflbtomuubs uvpcb sfcfnfnfs pu fmvs epph b o'fsfl .osfqnd zc hve
ofmpi fiu tj etb oldps sfetv febio etjg otjqspdo etb oflbtomuubs ,flbm fiu tp uvP

Example 3:

ozk.rhekd.kzx.zbqnr.ghmf.Rszmkdx .Z.qhr.rdzs.stqmdc.zqntmc.ezbhsg.ghudq.vhudq.nq.sgd.
ftzqc .Sgd.ftzqc.rzs.mdws.sn.sgd.cqhmf.sgd.cqhkh .Gd.gzc.mdudq.addm.sn.bzlo.adenqd
.Rszmkdx.Xdkmzsr.vzr.sgd.nmkx.ozrrdmfdq.nm.sgd.atr,.mns.bntmshk,.nq.xnt.lzx.fn.sn.Bzlo.Fqd
dm.Kzjd '.Rszmkdx.vzr.eqnl.z.onnq.ezlhc,'Xnt.lzx.fn.sn.izhbd .Sgd.itcfd.rzhudm.z.bgnhmsn.z.
fnnc.anx .Sgzs.vzr.vgzs.rnld.odnokd.sgntfgs .Rszmkdx.Xdkmzsr.vzr.fhl.hkk.stqm.ghs.vhm.
sgd.gns.rnm,.hf.z.gnkd.dudqx.cz.xhl.chr.z.bzlo.enq.azc.anxr .He.xnt.szjd.z.azc.anx.zmc.lzjd.ghbd
.Bzlo.Fqddm.Kzjd.hudm.z.bgnhmf:.Vgx.vntkc.zmxnmd.fn.sn.Bzlo.Fqddm.Kzjd?.Lnrs.bzlodqr.vdq
dm's.fhr.oqnazakx.zrjh.qdczdq.dgS