

ARRL / Signal Corps random letter & number code practice groups:

OKICQ AEIOU MVHVD JEHDY ZMNZB
24680 13579 APLKM MCNCB NDBGY
CKTOG CJRNO NDHBH PAOKU KDIOE
AXBTR YOUMK JTIOE MDHNH CVQAR

03759 CEMID MNLFG UEYTA NASTF
CWXCK JXEFY YOUMK QYEUR CFGIL
DKAKX EFMEY VOIUM QWZXN CADXA
WQYFZ 49285 12709 MNOPA TTLOR

OMIWG JNABD 97201 KQZAX MAIDP
HSPCQ JBCYD EFXNK LARDO 76321
XGLDT PGZUN LCKQH MQECV 70365
80701 CTILL OCYAA BEXZB OHWIM

RKMOZ THQVI ZLJBI ALCRJ VTNEE
EKJCD HMOUS 84707 DLZIK HELKF
DJHNG TVCPT KDKNG PHVTX 47382
HHHGJ CPTKO FHFUX HIMAD MRFXE

LDOSJ 20184 NTVMG CPNZI 40367
12310 VNFBH WOHZR JBOAH OBRDK
BAYQT DIEUY IPAQZ GYEVZ PVFKQ
QNBAV JCUWH FNZQJ ARJZU RBEFP

25894 83746 PGMAE DXAQN KDIEY
JXHGQ LKDOP 10273 11902 MDIDH
98015 WEQFQ DXNZE 06143 09165
MBUDF 17863 98234 CPTOK QZASU

Common words / fragments for high speed review:

THE ONS ITS THAT WHICH
ING ESS WHO HAVE THEIR
AND AVE HIM WITH THERE
ION PER MAY FROM WOULD

ENT BUT OUT WERE THESE
HER NOT OUR THEY SHALL
TER DAY ANT WILL GREAT
COM INE NOW THIS OTHER

ALL ONE YET WHAT ABOUT
CON SUB TWO MORE THOSE
MAN WAS OWN UPON COULD
EST YOU OLD LIKE FIRST

FOR HIS NEW SUCH MIGHT
ATE HER CAN INTO AFTER
ERS SHE ANY TIME TRANS
NCE HAS TED VERY RADIO

J random code practice, FO=0

fphcb rzlfg doukf ksjir uxtwy kqtjl qgoui rjgba llmen pgqir sjnec
mgofw yxxzo fymrf dmrrc mtwlj djeay zteal xdnbi ephcb pjpto halxb
xhkqv xtuiic mtbpl fpwju xuiopo sjeph czdrh pepdm gqtcn rlvph jksje
ayzte alxdl nayzv suvnt duipm rgosw lfgdm ealou vfqqq gbyzt cmtbp
lfnip kfosu ipkda ykqvy ksjdh osuvj uvean cohjm enswy xcbie pfmrl
vntdw wlire alqvx rgqqq thohp gbtie alxbx hmenr poshq tjenr gbfph
czdtt hqtje ntuxb ztean jvxtw wwwlf pwldk wwlkf kshsh ofdmr pqiru
xrico uvfqg osjci lqvxt uiecz bfpfo hhftz bfnri rxxzo hksjb vyksj
bvwym rhpgd jcmgd houir jiruv daykq ticmr lxbxf ymrhr sjlsu ksuvp
hjmgd oukdw wjuxs wjmbg yksho ukfpy xalme pbyks hqgof dohly mrgqi
epfoh hhftz bdbbk fphcz bfnri pjptm rgbdz nephil ayxmg qgouv wldsj
cmgbt ieczd tvxkf nipkf osuir alqgo swlfe pgouv wjryz ymgqi eanen
rrecb mrfdm rpoux kdzcj epwli pouvu xzohk qthxk qgqic bzwlf nipkf
osuir yxksw yment duiry xkqic osjng qgqgb yzvsu vphjk shqic bbmrif
dmtdu iryxm gqgos hqtho fbanb gofdm rposj epfoh hfrlv ghjmg douip
ouxir hsjen tuxbx hksjd hqgof ballm gbtkq gdrfb allme npgqg byxhk
qvvda aykfo swyzq tcmrn jtjng qieal qvvdc oukfi cbqtm rirxv juxuk
dwwjw jkshq iepfo ftbpj rjipg bvyks jdhqg ofdmt fkqtm ripld zczcz
epyxa lmenn uicbq tohcb rzlds houip tmrgd rhpen piean entfk sjgba
llouv fqgqi pgdho ukfpy xancm tfksh uvuxx alouv fqiec zyxxz qvqip
jrjir uxrgo swldq tiecz drfba nbien twjth xmgou iczen ipmri cosjl
qgouk dzczc bshsh ofbal lmgdj cmepl yksjc mgdjc menu icbsh shqth

N random code practice, FO = 0 (also G, sent as single chars)

lp7s1 hp1vw 3eukf asj8r kxjmy 6slp7 iy6qk xjs3g x3ew5 v268r 4pnqi
ym07y 49tz0 7ecdx j8t7y ozw19 tzum0 5facd dddry 4p7s1 11hv4 7cddx
pn6s1 xj6au 4p11h 5f8bw 3u4rq kf4p7 s19dd bwl3y mgfu4 9dx5h v2ozu
m05fa cdddx jm05v igxp9 zm07s 3y6as 1vw3y 6s3uk hbq26 s305f u4p11
h5z07 cbaum 07cv2 q28ry 689tj 6acdb wn6sj 2ohvi gfu2o j8ry4 pr49d
xp9z2 8r47e wns1x 3ymiw 5zgdb cdbaa cddxp nm0pt rqkzw 5f49j 8t1p7
s19t5 zw5f4 9zgdx 5fact 51xjm iyoh5 f8rkz 28rkf as3kz gxj8t r68rk
x3eeu khbq2 qtf01 ns1xj 6aasl t1prk xxhpl t19jo h9tz0 n689d ry689
driec ddbct zeeect j6qkx j8rkh v2q28 bau49 ddpx7 ecddr 4p7y6 qigx5
hviw3 eukzz 8bw3e cviwn q2oj6 q05fo js3ew lnq2o jmigx johba s3ymy
4prkx xxhpl t5hbw lp7s1 t19jo 11hvo j8t51 305hb qkz26 q2q07 s1foz
eecdb aas19 tln05 z07cb aum0n 07iy6 as1vg v2q07 slnkf u26qi ew30p
t7ecb cdxj8 trq0n 0pr4r kf8r4 rq07c tz0n6 s19zm iymyo hvoh5 z07cb
aum0n kzmym ym0p9 zm0nk zmiee u4pn6 q26s3 05vig x5hv2 ojmyo hbcdx
j89zm 0nkz2 6q2qk zw5zg x3gdr igxj8 trqkf 4prkx xh9ex 5hviw 3eu4r
q0nkx 3kf49 zgdxp n689t jmigx 3gx3e cdbq2 89dx3 gx3ew 5v26s 30pn6
s1hv2 6acba u2ozg fu49t 5lpn6 qiewn s1hvi eukfu 47cvo joh9d bw3uk
z28bc v2ojm y4prk hp111 xj8bc dry68 9tjmi gxj89 facvo jo1hp r4r4r
kfojs 3ew5f au47c v47s1 hp1fo j6qkh voj89 ddbw5 view3 0p9fa sj3g
x3ukh bq268 bctj6 q05fo jsj28 9fas3 07ctj s3ukh bqiec v49tz gv2o1
1xj8r kx3y6 as1f8 baasl 9dx3g dry49 zw519 z26aa u4rkz 07s3e eu4p7
iy6q0 pr4r4 7s3kz gx3gx 3ectz eewln q2oze ectze ew5fa u47s3 kzw5z

O random code practice, FO = 0

note: = dahdidididah
 / dahdididahdit
 * didididahdidah SK
 + didahdididit AS
 - didahdidahdit AR

?p7k1 *htno 3/ukf =sj8r cxbey iwh*j eu2=o hj478 9zas1 fey8r -*n2=
=/, .2 od?z, .6,pt .kxza sjwl9 lrmy4 prug* 5d?jq 4p7k1 ?xdzw 7g*5*
1+iwl xba/q 091?1 5+c0 nugvu gz4p7 kxtpx ns53= /-rq0 5*1xh 7y8rm
y4pru g*5d9 3y4pv aslt1 biw3c tu26, tno3= =ozec tvqey 474pr q091?
15.w3 -vmyi w3-r6 my4.y i091n 2689+ 0j=o3 2oh72 kbymg vsjq4 p305*
1t1bm cbgze -rwlx +u6mg *vcxn wh7/u g*5*1 +mctx vugvg *z4lf ,p?p7
kxtt* vg*z4 ljs5* prugd hlxbe u2k15 +cbkb mcbkf =sfgv ct.kx vy8rc
x+yie ctvqe ugzo1 rwlxb a/ukx p?p34 ppl9x p?lf- *d?z, +i09h .yi09
h.u6, pxnwl riaw1 n2=oh j8rct r6my4 7/q05 *5*1. 6,pxr -*jia aas1x
h72o3 /ukbm c+0nq 472oz my8n2 =s5+g vozas 5zmy8 n6mct .oh.e c+u6q
4p34p ppl9x p99b8 ?p7kx p?lf- ?xdzs f,p95 vcxh. iw3u6 qeukb ,tj8r
iawh7 /ukxt tdfs5 .w3-v myiw7 0jeu2 6,tnk feukb ,p7w7 /u6qi e-vct
xzecb ,pt.k xvukf s1n8n ,+cbg vukb8 ?z,+i wh?3q eu6q0 9+k15 .w3-v
myiw7 w3qie ymctl biw7w 3qeyi e-*n6 qey47 4pvas 1xh7y 8n6q0 9b,pt
.k1bi w7w3u 6qeug vg*vc t78?j mct.k xvugz 4p34p p15*1 xh72o 3/ugv
ukfoh fgz41 js5*1 +i091 n6mct 789za wh7a/ ,tpt7 89zas 1fey4 741+i
wltr6 qe-vm ymgz- rq05d hh*n6 qie-r wltr= /ukf6 8rozs f-*d9 +0nuk
bmc+4 7y8n6 q4p34 191?x hj8nw h.yi0 9ln6m ct.k1 f=ozs f-?11 n8n8n
,+gvo zas1b 268ro zw7k1 *htj8 n2=od zsf,t pxns1 fie-v ct1f= sj478
9zect vqey8 nwln2 =s5+g vo32k 1f=sf kb8?v ozect vqiec +od?z -v/-?
xhj8r cx+u2 6,tj4 7/ukx tpt78 ?jq41 jwhh? 3u6m2 68n,. w3c+y ie-*j
eu2=s 1n8n8 rsfgv ct789 zawlr ias5z my8ri awlri as1b2 68rsf gvg*v

J random code practice, FO = 1

ohjme nswyx cbiep fmrlv ntdww lirea lqvxr gqqqt hoapg btiae lxbxh
menrp oshqt jenrg bfphc zdtth qtjen tuxbz teanj vxtww wwlfp wlkdw
wlkfk shsho fdmrp qirux ricou vfqgo sjczl qvxtu ieczb fpfoh hftzb
fnrir xxzoh ksjbv yksjb vwymr hpgdj cmgdh ouirj iruvd aykqt icmrl
xbxfy mrhrs jlsuk suphv jmgdo ukdwu juxsw jmgby kshou kfpyx almep
byksh qgofd ohlym rgqie pfcoh hftzb dbbkf phczb fnrip jptmr gbdzn
ephla yxmqq gouvw ldsjc mgbsi eczdt vxkfn ipkfo suira lqgos wlfep
gouvw jryzy mgqie anenr recbm rfdmr pouxk dzcze pwlip ouvux zohkq
thxkq gqicb zwlfn ipkfo suiry xkswy mentd uiryx kqico sjngq gqgby
zvsuv phjks hqicb bmrfd mtdui ryxmg qgosh qthof banbg ofdmr posje
pfcoh frlvp hjmgd ouipo uxirh sjent ubxh ksjdh qgofb allmg btkqg
drfba llmen pgqgb yxhkq vvdaa ykfos wyzqt cmrnj tjngq iealq vvdco
ukfic bqtmr irxvj uxukd wwwwj kshqi epfof tbpjr jipgb vyksj dhqgo
fdmtf kqtmr ipldz czcze pyxal menu icbqt ohcbr zldsh ouipt mrgdr
hpenp ieane ntfks jgbal louvf qqqip gdhou kfnyx ancmt fkshu vuxxa
louvf qiecz yxxzq vqipj rjiru xrgos wldqt ieczd rfban bient wjthx
mgoui czeni pmric osjlq goukd zczcb shsho fball mgdjc mepby ksjcm
gdjcm ennu cbshs hqthq tjent wjvxt wyksh pdmgq vqipj rhsje phcbr
xvjux ukdwu juvgo fwyxx zofww jrhsj enrir xxzqt ealvp hjmgd oukfk
sjipe nnuic zenkf gdmeb bgofb allmg bvyme phlaa lsuic ohfrl vnrrc
ofmrn jtjlq gouip tmtwl jdhous kdbqt ofmtb pjri pgdho ukdbs hsjcz
nephil ymtwy kqthx kqiec mtdwy zohkq vvfqi cmrgb dbzwj rhshq tjeph

N random code practice, FO = 1 (also G, sent as single chars)

ohvig fu2oj 8ry4p r49dx p9z28 r47ew ns1x3 ymiw5 zgdbc dbaac ddwpn
m0ptr qkzw5 f49j8 tlp7s 19t5z w5f49 zgdx5 fact5 1xjmi yoh5f 8rkz2
8rkfa s3kzg xj8tr 68rkh 3eeuk hbq2q kf0ln s1xj6 aaslt lprkx xhplt
19joh 9tz0n 689dr y689d riecd dbctz eectj 6qkxj 8rkhv 2q28b au49d
dwp7e cddr4 p7y6q igx5h viw3e ukz28 bw3ec viwnq 2oj6q 05foj s3ewl
nq2oj migxj ohbas 3ymy4 prkxx xhplt 5hbwl p7slt 19jo1 1hvoj 8t513
05hbq kz26q 2q07s 1foze ecdba asl9t ln05z 07cba um0n0 7iy6a s1vgv
2q07s lnkfu 26qie w30pt 7ecbc dxj8t rq0n0 pr4rk f8r4r q07ct z0n6s
19zmi ymyoh voh5z 07cba um0nk zmymy m0p9z m0nkz mieeu 4pn6q 26s30
5vigx 5hv2o jmyoh bcdxj 89zm0 nkz26 q2qkz w5zgx 3gdri gxj8t rqkf4
prkxx h9dx5 hviw3 eu4rq 0nkx3 kf49z gdwpn 689tj migx3 gx3ec dbq28
9dx3g x3ew5 v26s3 0pn6s 1hv26 acbau 2ozgf u49t5 1pn6q iewns 1hvie
ukfu4 7cvoj oh9db w3ukz 28bcv 2ojmy 4prkh p111x j8bcd ry689 tjmig
xj89f acvoj o1hpr 4r4rk fojs3 ew5fa u47cv 47s1h p1foj 6qkhv oj89d
dbw5v iew30 p9fas js3gx 3ukhb q268b ctj6q 05foj sm289 fas30 7ctjs
3ukhb qiecv 49tzg v2o11 xj8rk x3y6a s1f8b aas19 dx3gd ry49z w519z
26aaau 4rkz0 7s3ee u4p7i y6q0p r4r47 s3kzg x3gx3 ectze ewlnq 2ozee
ctzee w5fau 47s3k zw5zw 5f49z w51xj my68t 13ymg v2o11 x3kf4 p7s1h
9dbw3 ukz28 bwnm0 7y49t z07yo 1x3kf 49joh 9tzgf acdx5 hviw3 eukfa
sj8bw 5fau4 rkzgv w3y68 rigx3 gx3ec drym0 5hbq0 7y6au kxh9d xpt7y
4r49t 5lp7i y6qkh vozwl 9tj6q 0p7cv 4r4p1 11xj8 bctj6 q0p7s 3kf01
305hb asjmy 6s19z mieu2 89z2o z0n6s 1hbqi yoj8t 5hvo1 x3kzw 5f4p7

O random code practice, FO = 1

note: = dahdidididah
 / dahdididahdit
 * didididahdidah SK
 + didahdididit AS
 - didahdidahdit AR

oh72k bymgv sjq4p 305*1 t1bmc bgze- rwlx+ u6mg* vcxnw h7/ug *5*1+
mctxv uvgv* z4lf, p?p7k xtt*v g*z4l js5*p rugdh lxbey 2k15+ cbkbm
cbkf= sfgvc t.kxv y8rcx +yiec tvqeu gz05r wlxba /ukxp ?p34p p19xp
?1f-* d?z,+ i09h. yi09h .u6,p xnwlz iawln 2=ohj 8rctr 6my47 /q05*
5*1.6 ,pxr- *jiaa as1xh 72o3/ ukbmc +0nq4 72ozm y8n2= s5+gv ozas5
zmy8n 6mct. oh.ec +u6q4 p34pp p19xp 99b8? p7kxp ?1f-? xdzsf ,p95v
cxh.i w3u6q eukb, tj8ri awh7/ ukxtt dfs5. w3-vm yiw70 jeu26,tnkf
eukb, p7w7/ u6qie -vctx zecb, pt.kx vukfs 1n8n, +cbgv ukb8? z,+iw
h?3qe u6q09 +k15. w3-vm yiw7w 3qiey mct1b iw7w3 qeyie -*n6q ey474
pvas1 xh7y8 n6q09 b,pt. k1biw 7w3u6 qeugv g*vct 78?jm ct.kx vugz4
p34pp 15*1x h72o3 /ugvu kfohf gz4lj s5*1+ i09ln 6mct7 89zaw h7a/,
tpt78 9zas1 fey47 41+iw ltr6q e-vmy mgz-r q05dh h*n6q ie-rw ltr=/
ukf68 rozsf -*d9+ 0nukb mc+47 y8n6q 4p341 91?xh j8nwh .yi09 ln6mc
t.k1f =ozsf -?11n 8n8n, +gvoz as1b2 68roz w7k1* htj8n 2=odz sf,tp
xns1f ie-vc t1f=s j4789 zectv qem8n wln2= s5+gv o32k1 f=sfk b8?vo
zectv qiect od?z- v/-?x hj8rc x+u26 ,tj47 /ukxt pt78? jq4lj whh?3
u6m26 8n,.w 3c+yi e-*je u2=s1 n8n8r sfgvc t789z awlri as5zm y8ria
wlria s1b26 8rsfg vg*vg *z4lj wh1xb eyi05 53=-/ v/-?x hfgz4 p7k1*
d9+0n ukbmc +0j/, .2od? z,.2k xhfgz 4lf-* d?z-r ug*1x h72o3 /ukf=
sj8ns 1b268 n,.0n o3==s jmct7 89zaw h.ymc xh.i0 jia/q 4p15* 1txza
w305d hh*je u2=od zsjwl 9ln2= s1roz w3091 ?xhj8 nwln2 =s1rs fgz05
vcxh. ecbey iwh?3 qeym2 k1bmg z,+iw ltvqi asf,p 99+kx hfgvg *z4p7

J random code practice, FO = 2

mgbyk shouk fpyxa lmepb ykshq gofdo hlymr gqiep fohhh ftzbd bbkfp
hczbz nripj ptmrg bdzne phlay xmgqg ouvwz dsjcm gbtie czdtv xkfni
pkfos uiral qgosw lfepg ouvwz ryzym gqiea nenrr ecbmr fdmrp ouxkd
czcep wlipo uvuzz ohkqt hxkqg qicbz wlfni pkfosuiryx kswym entdu
iryxk qicos jngqg qgbzy vsuvp hjksh qicbb mrfdm tduir yxmgq goshq
thofb anbgo fdmrp osjep foohf rlvpf jmgdo uipou xirhs jentu xbzhk
sjdhq gofba llmgb tkqgd rfbal lmenp gqgby xhkqv vdaay kfosw yzqtc
mrnjt jngqi ealqv vdcou kficb qtmri rxvju xukdw wjwjk shqie pfoft
bpjrj ipgbv yksjd hqgof dmtfk qtmri pldzc zczep yxalm ennui cbqto
hcbrz ldsho uiptm rgdrh penpi eanen tfksj gball ouvfq gqipg dhouk
fpyxa ncmtf kshuv uxal ouvfq ieczy xxzqv qipjr jirux rgosw ldqti
eczdr fbanb ientw jthxm gouic zenip mrico sjlqg oukdz czcbs hshof
ballm gdjcm epbyk sjcmg djcme nnuic bshsh qthqt jentw jvxtw ykshp
dmgqv qipjr hsjep hcbrx vjuxu kdwwj uvgef wyxxz ofwwj rhsje nrirx
xzqte alvph jmgdo ukfks jipen nuicz enkfg dmecb gofea llmgb vymep
hlaal suico hfrlv nrrco fmrnj tjlqg ouipt mtwlj dhouk dbqto fmtbp
jrjip gdhou kdbsh sjczn ephly mtwyk qthxk qiecm tdwyz ohkqv vfqic
mrgbd bwjrz hshqt jephc zbfph alxdn zuirh uxkfn kdqti ecbrx vlkdw
yxcbi cbbmt vvuvj wlaal sukqi pjrgj ballo sjlqi cmepl ymepg ouxkf
pyzof wwldz enipk fqgqg dofxu irecz wlfpw lkfks huvux zqtea nljbv
wymrf byxhk sjbti ecbpj ptohc zbfph alvnt duipk dcmea lmgbv wwwjr
jirsj necou ipqip gdhqi czlqt jlqqq iczls jbtkq ipldz epyzo hkqtj

N random code practice, FO = 2 (also G, sent as single chars)

iwnq2 oj6q0 5fojs 3ewln q2ojm igxjo hbas3 ymy4p rkxxx hplt5 hbwlpx
7sllt 9jo11 hvoj8 t5130 5hbqk z26q2 q07s1 fozee cdbaa s19tl n05z0
7cbau m0n07 iy6as 1vgv2 q07s1 nkfu2 6qiew 30pt7 ecbcd xj8tr q0n0p
r4rkf 8r4rq 07ctz 0n6sl 9zmiy myohv oh5z0 7cbau m0nkz mymym 0p9zm
0nkzm ieeu4 pn6q2 6s305 vigx5 hv2oj myohb cdxj8 9zm0n kz26q 2qkzw
5zgx3 gdrig xj8tr qkf4p rkxxh 9dx5h viw3e u4rq0 nkx3k f49zg dxpn6
89tjm igx3g x3ecd bq289 dx3gx 3ew5v 26s30 pn6s1 hv26a cbau2 ozgfu
49t51 pn6qi ewns1 hvieu kf47 cvojo h9dbw 3ukz2 8bcv2 ojmy4 prkhp
111xj 8bcdcr y689t jmigx j89fa cvojo 1hpr4 r4rkf ojs3e w5fau 47cv4
7s1hp 1foj6 qkhvo j89dd bw5vi ew30p 9fasj s3gx3 ukhbq 268bc tj6q0
5fojs j289f as307 ctjs3 ukhbq iecv4 9tzgv 2o11x j8rkx 3y6as 1f8ba
as19d x3gdr y49zw 519z2 6aa4 rkz07 s3eeu 4p7iy 6q0pr 4r47s 3kzgx
3gx3e ctzee wlnq2 ozeeec tzeew 5fau4 7s3kz w5zw5 f49zw 51xjm y68t1
3ymgv 2o11x 3kf4p 7s1h9 dbw3u kz28b wnm07 y49tz 07yo1 x3kf4 9joh9
tzgfa cdx5h viw3e ukfas j8bw5 fau4r kzgvw 3y68r iex3g x3ecd rym05
hbq07 y6auk xh9dx pt7y4 r49t5 lp7iy 6qkhv ozw19 tj6q0 p7cv4 r4p11
1xj8b ctj6q 0p7s3 kf013 05hba sjmy6 s19zm ieu28 9z2oz 0n6s1 hbqiy
oj8t5 hvo1x 3kzw5 f4p7s ltlp7 cddd bqkx3 0n05z gf8ba as1h9 drkz2
oj8ry ohbct 17cdb cbq07 y6q2o 11xjs 3gx3u 4p7ie eewln qigv2 q0n05
foz07 yohpr kz07c bq26s jo13u 47ecv oh5f8 rkfas 307ct zgfac t19dr
iecdx 30pn6 89dba as111 hv47s ltlp7 cdxp9 zm07c viy6s 3ecdri y01x
j8r4p nqieu 4r68b ctjmy olnsl p7iy m y01n8 9dbq2 o1hpr kfoz0 n6slp

O random code practice, FO = 2

note:	=	dahdidididah
	/	dahdididahdit
*	didididahdidah	SK
+	didahdididit	AS
-	didahdidahdit	AR

2ozmy 8n2=s 5+gvo zas5z my8n6 mct.o h.ec+ u6q4p 34ppp 19xp9 9b8?p
7kxp? lf-?x dzsf, p95vc xh.iw 3u6qe ukb,t j8ria wh7/u kxttd fs5.w
3-vmy iw70j eu26, tnkfe ukb,p 7w7/u 6qie- vctxz ecb,p t.kxv ukfs1
n8n,+ cbgvu kb8?z ,+iwh ?3qeu 6q09+ k15.w 3-vmy iw7w3 qieym ct1bi
w7w3q eyie- *n6qe y474p vas1x h7y8n 6q09b ,pt.k 1biw7 w3u6q eugvg
*vct7 8?jmc t.kxv ugz4p 34ppl 5*1xh 72o3/ ugvuk fohtg z4ljs 5*l+i
09ln6 mct78 9zawh 7a/,t pt789 zasl1f ey474 l+iwl tr6qe -vmym gz-rq
05dhh *n6qi e-rwl tr=/u kf68r ozsf- *d9+0 nukbm c+47y 8n6q4 p3419
1?xhj 8nwh. yi091 n6mct .k1f= ozsf- ?11n8 n8n,+ gvoza s1b26 8rozw
7k1*h tj8n2 =odzs f,tpx ns1fi e-vct 1f=sj 4789z ectvq ey8nw ln2=s
5+gvo 32k1f =sfkb 8?voz ectvq iecto d?z-v /-?xh j8rcx +u26, tj47/
ukxtp t78?j q4ljw hh?3u 6m268 n,.w3 c+yie -*jeu 2=s1n 8n8rs fgvct
789za wlria s5zmy 8riaw lrias 1b268 rsfgv g*vg* z4ljw hlxbe yi055
3=-v /-?xh fgz4p 7k1*d 9+0nu kbmc+ 0j/,. 2od?z ,.2kx hfgz4 lf-*d
?z-ru g*1xh 72o3/ ukf=s j8ns1 b268n ,.0no 3==sj mcb8 9zawh .ymcx
h.i0j ia/q4 pl5*1 txzaw 305dh h*jeu 2=odz sjwl9 ln2=s 1rozw 3091?
xhj8n wln2= s1rsf gz05v cxh.e cbeyi wh?3q eym2k 1bmgz ,+iwl tvqia
sf,p9 9+kxh fvgv* z4p7k xp?p7 g*5d? f=ohf kfs5. 0j47/ uk1*d 9bkbm
gvsjq 09b,t db89+ 4.i0j iaa/- ?xhj4 789ze -*jey ias5z m2kfe ukfs5
+gz,. 2k11n ,.w3- vqey4 .odnu gzecl k15+c bkf=s fkb8? z-rug d19h.
u6,pt 741+i 09h7/ uk1?x dzw7k xp?p7 g*1tl biw3- r==o zawh. u2kxh
j8r-* n2=/u gvy8n wln6q 05rwh *jeu6 q05r0 9h7a/ -?11n ,+gz, +iwh*

J random code practice, FO = 3

rfdmt duiry xmgqg oshqt hofba nbgof dmrpo sjepf ohhfr lvphj mgdou
ipoux irhsj entux bxhks jdhqg ofbal lmgbt kqgdr fball menpg qgbyx
hkqv v daayk foswy zqtcn rnjtj ngqie alqvv dcouk ficbq tmrir xvjux
ukdww jwjks hqiep foftb pjrji pgbvy ksjdh qgofd mtfkq tmrip ldzcz
czepy xalme nnuic bqtoh cbrzl dshou iptmr gdrhp enpie anent fksjg
ballo uvfqg qipgd houkf pyxan cmtfk shuvu xxalo uvfqi eczyx xzqvq
ipjrz iruxr goswl dqtie czdrf banbi entwj thxmg ouicz enipm ricos
jlqgo ukdzc zcbsh ihofb allmg djcme pbyks jcmgd jcmen nuicb shshq
thqtj entwj vxtwy kshpd mgqvq ipjrh sjeph cbrxv juxuk dwwju vgofw
yxxzo fwwjr hsjen rirxx zqtea lvphj mgdou kfksj ipenn uicze nkfd
mecbg ofbal lmgbv ymeph laals uicoh frlvn rrcof mrnjt jlqgo uiptm
twljd houkd bqtof mtbpj rjipg dhous dbshs jczne phlym twykq thxkq
iecmt dwyzo hkqv v fqicm rgbdb zwjrh shqtj ephcz bfpha lxdnz uirhu
xkfnk dqtie cbrxv lkdwy xcbic bbmtv vuvjw laals ukqip jrjgb allos
jlqic mepby mepgo uxkfp yzofw wldze nipkf qgqgd ofxui reezw lfpwl
kfksh uvuxz qtean ljbvw ymrfb yxhks jbtie cbpjv tohcz bfpha lvntd
uipkd cmeal mgbvw wwjrz irsjn ecoui pqipg dhqic zlqtj lqgqi czlsj
btkqi pldze pyzoh kqtjn ecmgq tcmrn lhnns wyzof ykdbz yzldq vwykf
nripj ptoha nlhnn uksjg dofxt ipqgb alnay ztcmt brzlf epico hanjv
vfqgo uxipv anenr posho hopen icohc brzlf epicm tuxbz vqipl dbshu
xkfpw lkfic bqtmt wjvvd aaykf qgouv wjpkf qicmr irxvl kficb sjiru
vdcmg qtcmr njvvf ouien kfenu kqtof ohftb rxvli posje phczb fntwj

N random code practice, FO = 3 (also G, sent as single chars)

dxj89 zm0nk z26q2 qkzw5 zgx3g drigx j8trq kf4pr kxxh9 dx5hv iw3eu
4rq0n kx3kf 49zgd xpn68 9tjmi gx3gx 3ecdb q289d x3gx3 ew5v2 6s30p
n6s1h v26ac bau2o zgf4u 9t5lp n6qie wns1h vieuk fu47c vojoh 9dbw3
ukz28 bcv2o jmy4p rkhp1 11xj8 bcdry 689tj migxj 89fac vojo1 hpr4r
4rkfo js3ew 5fau4 7cv47 s1hp1 foj6q khvoj 89ddb w5vie w30p9 fasjs
3gx3u khbq2 68bct j6q05 fojsj 289fa s307c tjs3u khbqi ecv49 tzgv2
o11xj 8rkx3 y6as1 f8baa s19dx 3gdry 49zw5 19z26 aau4r kz07s 3eeu4
p7iy6 q0pr4 r47s3 kzgx3 gx3ec tzeew lnq2o zeect zeew5 fau47 s3kzw
5zw5f 49zw5 1xjmy 68t13 ymgv2 o11x3 kf4p7 s1h9d bw3uk z28bw nm07y
49tz0 7yo1x 3kf49 joh9t zgfac dx5hv iw3eu kfasj 8bw5f au4rk zgvw3
y68ri gx3gx 3ecdr ym05h bq07y 6aukx h9dpx t7y4r 49t51 p7iy6 qkhvo
zwl9t j6q0p 7cv4r 4p111 xj8bc tj6q0 p7s3k fo130 5hbas jmy6s 19zmi
eu289 z2oz0 n6s1h bqiy0 j8t5h volx3 kzw5f 4p7sl tlp7c ddddb qkx30
n05zg f8baa s1h9d rkz2o j8ryo hbctl 7cdbc bq07y 6q2o1 1xjs3 gx3u4
p7iee ewlnq igv2q 0n05f oz07y ohprk z07cb q26sj om3u4 7ecvo h5f8r
kfas3 07ctz gfact 19dri ecdx3 0pn68 9dbaa s111h v47sl tlp7c dxp9z
m07cv iy6s3 ecdri yo1xj 8r4pn qieu4 r68bc tjmyo 1ns1p 7iyym o1n89
dbq2o 1hprk fozo1n 6s1pn qiymg fu49t 1t5fu 2oz07 ew5hv 4p1f8 riewl
9jo11 hv47c t1t5f aasjs jo13u 4r6s3 gxjm0 5fu4p 1hp1v gviy4 7ct51
hbq2q 0nkhb w30pt rqkzg dbw5v iy47s 1hp1v gviyo zwdx5 v2o1h p7s30
n05f8 rkfu4 7cv0z w51hv 26acb q2q07 s17cb qiyoj oh9dr kfu47 sj8rk
hviym gfu49 t51hb aaukz gvgfa acv4r kxhp1 h9dr4 rqkf4 p7slt 19zw5

O random code practice, FO = 3

note: = dahdidididah
 / dahdididahdit
 * didididahdidah SK
 + didahdididit AS
 - didahdidahdit AR

pt.k1 biw7w 3u6qe uvgv*g vct78 ?jmct .kxvu gz4p3 4pp15 *1xh7 2o3/u
gvukf ohfgz 4ljs5 *1+i0 9ln6m ct789 zawah7 a/,tp t789z as1fe y4741
+iwlt r6qe- vmymg z-rq0 5dhh* n6qie -rwlt r=/uk f68ro zsf-* d9+0n
ukbmc +47y8 n6q4p 34191 ?xhj8 nwh.y i09ln 6mct. k1f=o zsf-? 11n8n
8n,+g vozas 1b268 rozw7 k1*ht j8n2= odzsf ,tpxn s1fie -vct1 f=sj4
789ze ctvqe y8nw1 n2=s5 +gvo3 2k1f= sfkb8 ?voze ctvqi ectod ?z-v/
-?xhj 8rcx+ u26,t j47/u kxtpt 78?jq 4ljwh h?3u6 m268n ,.w3c +yie-
*jeu2 =s1n8 n8rsf gvct7 89zaw lrias 5zmy8 riawl rias1 b268r sfgvg
*vg*z 4ljwh lxbey i0553 =/-v/ -?xhf gz4p7 k1*d9 +0nuk bmc+0 j/,.2
od?z, .2kxh fgz4l f-*d? z-rug *1xh7 2o3/u kf=sj 8ns1b 268n, .0no3
==sjm ct789 zawah. ymcxh .i0ji a/q4p 15*1t xzaw3 05dhh *jeu2 =odzs
jwl91 n2=s1 rozw3 091?x hj8nw ln2=s 1rsfg z05vc xh.ec beyiw h?3qe
ym2k1 bmgz, +iwlt vqias f,p99 +kxhf gvg*z 4p7kx p?p7g *5d?f =ohfk
fs5.0 j47/u k1*d9 bkbmg vsjq0 9b,td b89+4 .i0ji aa/-? xhj47 89ze-
*jeyi as5zm 2kfeu kfs5+ gz,.2 k11n, .w3-v qey4. odnug zec+k 15+cb
kf=sf kb8?z -ruggd 19h.u 6,pt7 4l+i0 9h7/u k1?xd zw7kx p?p7g *1t1b
iw3-r ===oz awh.u 2kxhj 8r-*n 2=/ug vy8nw ln6q0 5rwh* jeu6q 05r09
h7a/- ?11n, +gz,+ iwh*n 2==/- rq05d 151by mgz,. 6899+ ohtj4 .u68?
lf?-x dzw7g d151b 2=sj4 .odnu gvy47 893y4 prq09 1*htn kfiau 7gdhl
tvqeu kfod3 -vctx vugvc xns1f iaw7k 1*htn kfias js5*p v/-?1 1rsfk
fs5+c bkf68 rozsj whltr 6qe-v qeukb ,p3-v qiasf -*d9b kf68r sj8rc
tr==/ -rq05 dhltv m26,. 0nkb2 =ozw3 4pl91 *d9bg vugz4 p7kxp ?1jwh

J random code practice, FO = 4

drhpe npiea nentf ksjgb allou vfqqq ipgdh oukfp yxanc mtfks huvux
xalou vfqie czyxx zqvqi pjrrji ruxrg oswld qtiec zdrfb anbie ntwjt
hxmgc uicze nipmr icosj lqgou kdzcj cbshs hofba llmgd jcmeep byksj
cmgdj cmenn uicbs hshqt hqtje ntwjv xtwyk shpdm gqvqi pjrhs jephc
brxvj uxukd wwjuv gofwy xxzof w提醒 jrh sjenr irxxxz qteal vphjm gdouk
fksji pennu iczen kfgdm ecbgo fball mgbvy mephlaalsu icohf rlvnr
rcofm rnjtj lqgou iptmt wljdh oukdb qtofm tbpjriipgd houkd bshsj
cznep hlymt wykqt hzxkqi ecmtw wyzoh kqvvf qicmr gbdbz wjrhs hqtje
phczb fphal xdnzu irhux kfnkd qtiec brxvl kdwyx cbicb bmtvv uvjwl
aalsu kqipj rjgba llosj lqicm epbym epgou xkfp yzofww ldzen ipkfq
gqqdo fxuir eczw lfpwl fkshu vuxzq teanl jbvw y mrfby xhksj btiec
bpjpt ohczb fphal vntdu ipkdc mealm gbvw wjrhj rsjne couip qipgd
hqicz lqtjl qqqic zlsjb tkqip ldzep yzohk qtjne cmgqt cmrnl hnns
yzofy kdbzy zldqv wykfn ripjp tohan lhnnu ksjgd ofxui pqgba lnayz
tcmtb rzlfe picoh anjvv fqgou xipva nenrp oshoh penpi cohcb rzlfe
picmt uxbzv qipld bshux kfowl kficb qtmtw jvvda aykfq gouvw jpkfq
icmri rxvlk ficbs jiruv dcmsgq tcmrn jvvfo uienk fenuk qtofo hftbr
xvlip osjep hczbh ntwjt jlswy mgbzv qgbfp fmrnj vvdco swlyk dcosw
layxm goswy zqtea lxdnb ientw jthza ymgos wwjuv ealou vdcos wlayx
kqgqi czngb xfwwj pvczw jptoh czdtt hqthq thofd ohlym twwwy xvlip
qiruv fouks jirux tuiae lvnrr cohcb pjpvc bkfpf mtbpl fnkds jcouv
dcmec biczl qvvda aymrg osuxz qtecb pjrhj penpg ouxir jiruv dayks

N random code practice, FO = 4 (also G, sent as single chars)

9ddbw 5view 30p9f asjs3 gx3uk hbq26 8bctj 6q05f ojsj2 89fas 307ct
js3uk hbqie cv49t zgv2o 11xj8 rkx3y 6as1f 8baas 19dx3 gdry4 9zw51
9z26a au4rk z07s3 eeu4p 7iy6q 0pr4r 47s3k zgx3g x3ect zeewl nq2oz
eectz eew5f au47s 3kzw5 zw5f4 9zw51 xjmy6 8tl3y mgv2o 11x3k f4p7s
1h9db w3ukz 28bwn m07y4 9tz07 yo1x3 kf49j oh9tz gfacd x5hvi w3euk
fasj8 bw5fa u4rkz gvw3y 68rig x3gx3 ecdry m05hb q07y6 aukxh 9dxpt
7y4r4 9t5lp 7iy6q khvoz wl9tj 6q0p7 cv4r4 p11lx j8bct j6q0p 7s3kf
o1305 hbasj my6sl 9zmie u289z 2oi0n 6s1hb qiyoj 8t5hv o1x3k zw5f4
p7slt lp7cd dddbq kx30n 05zgf 8baas 1h9dr kz2oj 8ryoh bctl7 cdbcbs
q07y6 q2o11 xjs3g x3u4p 7ieee wlnqi gv2q0 n05fo z07yo hprkz 07cbq
26sjo 13u47 ecvoh 5f8rk fas30 7ctzg factl 9drie cdx30 pn689 dbaas
111hv 47slt lp7cd xp9zm 07cvi y6s3e cdriy o1xj8 r4pnq ieu4r 68bct
jmyol nsdp7 iymyo 1n89d bq2o1 hprkf oz0n6 slpnq iymgf u49tl t5fu2
oz07e w5hv4 p1f8r iewl9 jo11h v47ct lt5fa asjsj o13u4 r6s3g xjm05
fu4p1 hp1vg viy47 ct51h bq2q0 nkhw 30ptr qkzgd bw5vi y47s1 hp1vg
viyoi gdx5v 2o1hp 7s30n 05f8r kfu47 cvozw 51hv2 6acbq 2q07s 17cbq
iyojo h9drk fu47s j8rkh viyng fu49t 51hba aukzg vgfaa cv4rk xhp1h
9dr4r qkf4p 7slt1 9zw51 p7ymy mgx5v 28tlp r49t5 1hvie ecbac vieec
bqkz2 6au2o zgfac ddddr y49zw 519fa u26au 28bwn 6s3uk hviee cbqkz
miymy o13gx p7yo1 hbcvo 1hv47 s19t5 zw5zw 5zgxj ohbas jmiy4 9dr4r
68rkh baaas j8rkx j6aac dxpt7 y47s1 11hbc bwlp 4p11h 5zgfo zeukh
viy68 ryoln s1hv2 6as3y 6actz gfas1 11xj8 bw5v2 q0nkx j8rkh v2q2o

O random code practice, FO = 4

note: = dahdidididah
 / dahdididahdit
 * didididahdidah SK
 + didahdididit AS
 - didahdidahdit AR

tpxns 1fie- vct1f =sj47 89zec tvqey 8nwln 2=s5+ gvo32 k1f=s fkb8?
vozec tvqie c+od? z-v/- ?xhj8 rcx+u 26,tj 47/uk xtpt7 8?jq4 1jwhh
?3u6m 268n,. w3c+ yie-* jeu2= s1n8n 8rsfg vct78 9zawl rias5 zmy8r
iawlr ias1b 268rs fgvg* vg*z4 ljwhl xbeyi 0553= /-v/- ?xhfg z4p7k
1*d9+ 0nukb mc+0j /,.2o d?z,. 2kxhf gz4lf -*d?z -rug* 1xh72 o3/uk
f=sj8 ns1b2 68n,. 0no3= =sjmc t789z awh.y mcxh. i0jia /q4pl 5*1tx
zaw30 5dhh* jeu2= odzsj wl9ln 2=s1r ozw30 91?xh j8nw1 n2=s1 rsfgz
05vcx h.ecb eyiwh ?3qew m2k1b mgz,+ iwltv qiasf ,p99+ kxhfg vg*z4
p7kxp ?p7g* 5d?f= ohfkf s5.0j 47/uk 1*d9b kbmvg sjq09 b,tdb 89+4.
i0jia a/-?x hj478 9ze-* jeyia s5zm2 kfeuk fs5+g z,.2k 11n,. w3-vq
ey4.o dnugz ec+k1 5+cbk f=sfk b8?z- rugdl 9h.u6 ,pt74 l+i09 h7/uk
1?xdz w7kxp ?p7g* 1t1bi w3-r= ==oza wh.u2 kxhj8 r-*n2 =/ugv y8nw1
n6q05 rwh*j eu6q0 5r09h 7a/-? 11n,+ gz,+i wh*n2 ==/-r q05dl 51bym
gz,.6 899+o htj4. u68?1 f-?xd zw7gd 151b2 =sj4. odnug vy478 93y4p
rq091 *htnk fiaiw7 gdhlt vqeuk fod3- vctxv ugvcx ns1fi aw7k1 *htnk
fiasj s5*pv /-?11 rsfkf s5+cb kf68r ozsjw hltr6 qe-vq eukb, p3-vq
iasf- *d9bk f68rs j8rct r==/- rq05d hltvm 26,.0 nkb2= ozw34 pl91*
d9bgv ugz4p 7kxp? ljwhh *jiey mg*pv /,p?p 305dh ltr=/ q4.e- r=q4
.iw3u 6mymg z-rug *5d?j q4ljw hh?7a /u6my mc+0j =ozec tr=q 4.iw3
qeu6q 05vg* 1.2kx d3c+k xdzw7 kxtt* vg*vg *vct. oh.ec beu2o d9bgv
y8rct vm2=s j8rcx ba/ug *ltxz aw7k1 ?xd3c b8?p3 091?1 5.0j8 riect

J random code practice, FO = 5

rxxzq tealv phjmg doukf ksjip ennu i czenk fgdme cbgof ballm gbvym
ephla alsui cohfr lvnrr cofmr njtjl qgoui ptmtw ljdho ukdbq tofmt
bpjrj ipgdh oukdb shsjc zneph lymtw ykqth xkqie cmtdw yzohk qvvfq
icmrg bdbzw jrhsh qtjep hczbzphalx dnzui rhuxk fnkdq tiecb rxvlk
dwyxc bicbb mtvvu vjwla alsuk qipjr jgbal losjl qicme pbyme pgoux
kfpyz ofwwl dzeni pkfqq qgdof xuire czwlfcwlkfk kshuv uxzqt eanlj
bwym rfbyx hksjb tiecb pjpto hczbzphalv ntdui pkdcme almg bvwww
jrjir sjnec ouipq ipgdh qiczl qtmlq gqicz lsjbt kqipl dzepy zohkq
tjneec mgqtc mrnlh nnswy zofyk dbzyz ldqvw ykfnr ipjpt ohanl hnnuk
sjgdo fxuip qgbal nayzt cmtbr zlfep icoha njvrf qgoux ipvan enrpo
shohp enpic ohcbr zlfep icmtu xbzvq ipldb shuxk fpwlk ficbq tmtwj
vvdaa ykfqq ouvwj pkfqi cmrir xvlkf icbsj iruvd cmgqt cmrnj vvfov
ienkf enukq tofoh ftbrx vliop sjeph czbfntwjtj lswym gbzvq gbfpf
mrnjv vdcos wlykd coswl ayxmg oswyz qteal xdnbi entwj thzay mgosw
wjuve alouv dcsw layxk qgqic zngbx fwwjp vczwj ptohc zdtth qthqt
hofdm hlymt wwwyx vlipq iruvf ouksj iruxt uieal vnrrc ohcbr jpvcbr
kfpfm tbplf nkdsj couvd cmech iczlw vvdःaa ymrgo suxzq tecbp jrjip
enpgu uxirj iruvd ayksh qienr ipjpt mtwlj djeay ztcoh ftbrz lfgby
kqtkq gbfpf mtzbf phalv nrrea lqvvd aymgd mgqvs wjvvd aaayz aayks
uicof tbrzl fensu kdshq iephc zdrhr uvfqi cmtuv ntdui ryxme cosuv
ecbgq thqtj entux bxewy zjran eayme pieal shpdo ukfic zczen kfgdm
gqvqi rzjra lqicm gbtqkq irxvj uvgqt cmrlx bzvqi plfpy xczui pvcbk

N random code practice, FO = 5 (also G, sent as single chars)

h9tzg facdx 5hviw 3eukf asj8b w5fau 4rkzg vw3y6 8rigx 3gx3e cdrym
05hbq 07y6a ukxh9 dxpt7 y4r49 t5lp7 iy6qk hvozw 19tj6 q0p7c v4r4p
111xj 8bctj 6q0p7 s3kfo 1305h basjm y6s19 zmieu 289z2 oz0n6 s1hbq
iyoj8 t5hvo 1x3kz w5f4p 7s1tl p7cdd ddbqk x30n0 5zgf8 baas1 h9drk
z2oj8 ryohb ct17c dbcbq 07y6q 2o1lx js3gx 3u4p7 ieeew lnqig v2q0n
05foz 07yoh prkz0 7cbq2 6sjol 3u47e cvoh5 f8rkf as307 ctzgf actl9
driec dx30p n689d baas1 11hv4 7s1tl p7cdx p9zm0 7cviy 6s3ec driyo
1xj8r 4pnqi eu4r6 8bctj myo1n sln7i ymyo1 n89db q2o1h prkfo z0n6s
1pnqi ymgfu 49tlt 5fu2o z07ew 5hv4p 1f8ri ewl9j o11hv 47ctl t5faa
sjsjo 13u4r 6s3gx jm05f u4p1h p1vgv iy47c t51hb q2q0n khw3 0ptrq
kzgdb w5viy 47s1h p1vgv iyo2g dx5v2 o1hp7 s30n0 5f8rk fu47c vozw5
1hv26 acbq2 q07s1 7cbqi yojoh 9drkf u47sj 8rkhv iymgf u49t5 1hbaa
ukzgv gfaac v4rkx hplh9 dr4rq kf4p7 sltl9 zw5lp 7ymym gx5v2 8tlpr
49t51 hviee cbacv ieeeb qkz26 au2oz gfacd dddry 49zw5 19fau 26au2
8bwn6 s3ukh vieec bpkzm iymyo 13gxp 7y01h bcvo1 hv47s 19t5z w5zw5
zgxjm hbasj miy49 dr4r6 8rkhb aaasj 8rkxj 6aacd xpt7y 47s11 1hbcb
wlpr4 p11h5 zgfoz eukhv iy68r y01ns 1hv26 as3y6 actzg fas11 1xj8b
w5v2q 0nkxj 8rkhv 2q2oj my49j o11hv ozwl9 tzum0 5fukx hp1hp 1vwnq
28bq2 8tlpr 4plt1 p7cdx pt7ew ns1hv 2qiw3 ymgvi w51hv 26qkf aaumy
6aukh p1hp1 vgfum gfojm y4p7s 19ddr khbqi yozgx p9zm0 nkz2q ieewn
68riw 5zw5f 49zgd xp7y4 pln0n q2qig viewn 8tl3e ukfu4 r4rkz gvw3y
mgv2o hpln0 7ieee cdbq2 oh9db wnmgf u49dd x5v2o 1h5fo j8bqk hbcbw

O random code practice, FO = 5

note: = dahdidididah
 / dahdididahdit
 * didididahdidah SK
 + didahdididit AS
 - didahdidahdit AR

*d?z- rug*1 xh72o 3/ukf =sj8n s1b26 8n,.0 no3== sjmct 789za wh.ym
cxh.i 0jia/ q4p15 *1txz aw305 dhh*j eu2=o dzsjw 19ln2 =s1ro zw309
1?xhj 8nwln 2=s1r sfgz0 5vcxh .ecbe yiwh? 3qeym 2k1bm gz,+i wltvq
iasf, p99+k xhfgv g*z4p 7kxp? p7g*5 d?f=o hfkfs 5.0j4 7/uk1 *d9bk
bmgvs jq09b ,tdb8 9+4.i 0jiaa /-?xh j4789 ze-*j eyias 5zm2k feukf
s5+gz ,.2k1 1n,.w 3-vqe y4.od nugze c+k15 +cbkf =sfkb 8?z-r ugd19
h.u6, pt74l +i09h 7/uk1 ?xdzw 7kxp? p7g*1 t1biw 3-r== =ozaw h.u2k
xhj8r -*n2= /ugvy 8nwln 6q05r wh*me u6q05 r09h7 a/-?1 1n,+g z,+iw
h*n2= =/-rq 05d15 1bymg z,.68 99+oh tj4.u 68?lf -?xdz w7gdl 51b2=

sj4.o dnugv y4789 3y4pr q091* htnkf iaw7g dhltv qeukf od3-v ctxvu
gvcxn s1fia w7k1* htnkf iasjs 5*pv/ -?11r sfkfs 5+cbk f68ro zsjwh
ltr6q e-vqe ukb,p 3-vqi asf-* d9bkf 68rsj 8rctr ==/-r q05dh ltvm2
6,.0n kb2=o zw34p 191*d 9bgvu gz4p7 kxp?1 jwhh* jieym g*pv/ ,p?p3
05dhl tr=/q 4.e-r =/q4. iw3u6 mymgz -rug* 5d?jq 4ljwh h?7a/ u6mym
c+0j= ozect r=/q4 .iw3q eu6q0 5vg*1 .2kxd 3c+kx dzw7k xtt*v g*vg*
vct.o h.ecb eu2od 9bgvy 8rctv m2=sj 8rcxb a/ug* 1txza w7k1? xd3cb
8?p30 91?15 .0j8r iectr ==sj q05rw ltr6q ec+u2 68?z- ruk1? xhj8n
s1feu kfohj 8rctr 6my8n 6q41f -?xdz sjwl9 lrmy4 prq4p 191*h tnozm
y47a/ ,p?p3 09xp? p7g*1 txze- rwltr 6m2o3 =/-va whltr 6qiw7 aa/qi
a/q41 91*ht nkbyi 0j8n6 q4p7k xtpxr ctvqi asjs1 t1biw 7w3u2 =/q0j
=sjmg *vg*z 4ljs5 *1.2o hp70n 26m2k fie-r 0553/ ukf68 n8n,. 0no3=

/-v/- *hp70 jeyia wh7a/ -*d9+ 0j/-r q05*5 *pv/- ?15+g vsf=o d3cb8

J random code practice, FO = 6

osjlq icmep bymep gouxk fpyzo fwwld zenip kfqqq gdofx uirec zwlfp
wlkfk shuvu xzqte anljb vwymr fbyxh ksjbt iecbp jptoh czbfp halvn
tduipl kdcme almgb vwwwj rjirs jneco uipqi pgdhq iczlj tjlqg qiczl
sjbtk qipld zepyz ohkqt jnecm gqtcn rnlhn nswyz ofykd bzyzl dqvwy
kfnri pjpto hanlh nnuks jgdof xuipq gbaln ayztc mtbrz lfepi cohan
jvvfq gouxi pvane nrpos hohpe npico hcbrz lfepi cmtux bzvqi pldbs
huxkf pwlfk icbqt mtwjk vdaay kfqgo uvwjp kfqic mrirx vlkfi cbsji
ruvdc mgqtc mrnjv vfoue enkfe nuaqt ofohf tbrxv lipos jephc zbfnt
wjtjl swymg bzvqg bfpfm rnjvv dcsw lykdc oswla yxmgo swyzq tealx
dnbie ntwjt hzaym gosww juvea louvd coswl ayxkq gqicn ngbxr wwpv
czwjp tohcz dtthq thqth ofdoh lymtw wwyxv lipqi ruvfo uksji ruxtu
iealv nrrco hcbpj pvcbk fpfmt bplfn kdsjc ouvdc mecbi czlqv vdaay
mrgos uxzqt ecbpj rjipe npgou xirji ruvda ykshq ienri pjptm twljd
jeazyt tcohf tbrzl fgbyk qtkqg bfpm tzbfp halvn rreal qvvda ymgdm
gqvsw jvvda aayza ayksu icoft brzlf ensuk dshqi ephcz drhru vfqic
mtuve tduir yxmec osuve cbgqt hqtje ntuxb xfwyz jrane aymep ieals
hpduo kficz czenk fgdmq qvqir zjral qicmg btkqi rxvju vgqtc mrlxb
zvqip lfpyx czuip vcbkf pfoph tzbdz nepfv gqtcn hftzd tvvwj pkfou
iepwj wlaan eaaym rgouk dzenk dqtkq ipjrh uvuxx ancmt ficzc zepyx
ancmt dwyzo fwwjp tohal xdnbi czlqt jlsui ecbrx vlkfk shsje phczd
tvvux zohks jdjco shzay kswyk qvvdc oswjm enuks jgbyx hmenr pqipg
dhosw lfgba ayzym ecosw jkqvw ykfnt wljbv wykdz lqvff ouicb qvczy

N random code practice, FO = 6 (also G, sent as single chars)

u4p7i eeewl nqigv 2q0n0 5foz0 7yohp rkz07 cbq26 sj013 u47ec voh5f
8rkfa s307c tzgfa ctl9d riecd x30pn 689db aas11 1hv47 sltlp 7cdxp
9zm07 cviy6 s3ecd riy01 xj8r4 pnqie u4r68 bctjm y0lns lp7iy myo1n
89dbq 2o1hp rkfoz 0n6sl pnqiy mgfu4 9tlt5 fu2oz 07ew5 hv4p1 f8rie
w19jo 11hv4 7ctlt 5faas jsj01 3u4r6 s3gxj m05fu 4p1hp 1vgvi y47ct
51hbq 2q0nk hbw30 ptrqk zgd bw 5viy4 7s1hp 1vgvi yozgd x5v2o 1hp7s
30n05 f8rkf u47cv ozw51 hv26a cbq2q 07s17 cbqiy ojoh9 drkfu 47sj8
rkhvi ymgfu 49t51 hbaau kzgvg faacv 4rkxh p1h9d r4rqk f4p7s lt19z
w5lp7 ymymg x5v28 tlpr4 9t51h vieec bacvi eecbq kz26a u2ozg facdd
ddry4 9zw51 9fau2 6au28 bwn6s 3ukhv ieecb qkzmi ymyo1 3gxp7 yo1hb
cvo1h v47sl 9t5zw 5zw5z gxjoh basjm iy49d r4r68 rkhba aasj8 rkxj6
aacdx pt7y4 7s111 hbc bw lpr4p 11h5z gfoze ukhvi y68ry o1ns1 hv26a
s3y6a ctzgf as111 xj8bw 5v2q0 nkxj8 rkhv2 q2ojm y49jo 11hvo zw19t
zum05 fukxh p1hp1 vwnq2 8bq28 tlpr4 pltlp 7cdxp t7ewn s1hv2 qiw3y
mgviw 51hv2 6qkfa aumy6 aukhp 1hp1v gfumg fojmy 4p7s1 9ddrk hbqiy
ozgxn 9zm0n kz2qi eewn6 8riw5 zw5f4 9zgdx p7y4p ln0nq 2qigv iewn8
tl3eu kfu4r 4rkzg vw3ym gv2oh pln07 ieeec dbq2o h9dbw nmgyu 49ddx
5v2o1 h5foj 8bqkh bcbwl prkxh plt51 3051n mgfuk xhpl9 t17sl 7cbaa
ukf8b cbq0n q26as 3y6q0 prkzg f8bq2 o11x3 07ctj sj289 fu4r4 rkfoj
sj289 z2oz0 7yo1h v47cd dddry o1ns1 p7y6a as1h9 drkfa s3kf4 p7s19
t17ct z0n68 9tzeu 49fau mymy6 s1hvi eecvi gfaas js30p nm0pt r68bc
tj6as 1vwn6 qkfu2 qieec v28ri ewl9z wl9dr iew51 ns1hb aau47 cbcv4

O random code practice, FO = 6

note: = dahdidididah
 / dahdididahdit
 * didididahdidah SK
 + didahdididit AS
 - didahdidahdit AR

e-*je yias5 zm2kf eukfs 5+gz, .2k11 n,.w3 -vqey 4.odn ugzem +k15+
cbkf= sfkb8 ?z-ru gdl9h .u6,p t74l+ i09h7 /uk1? xdzw7 kxp?p 7g*1t
1biw3 -r== ozawh .u2kx hj8r- *n2=/ ugvy8 nwln6 q05rw h*jeu 6q05r
09h7a /-?11 n,+gz ,+iwh *n2== /-rq0 5d151 bymgz ,.689 9+oht j4.u6
8?lf- ?xdzw 7gd15 1b2=s j4.od nugvy 47893 y4prq 091*h tnkfi aw7gd
hltvq eukfo d3-vc txvug vcxns 1fiaw 7k1*h tnkfi asjs5 *pv/- ?11rs
fkfs5 +cbkf 68roz sjwhl tr6qe -vqeu kb,p3 -vqia sf-*d 9bkf6 8rsj8
rctr= /-rq 05dhl tvm26 ,.0nk b2=mz w34pl 91*d9 bgvug z4p7k xp?lj
whh*j ieymg *pv/, p?p30 5dhlt r=/q4 .e-r= /q4.i w3u6m ymgz- rug*5
d?jq4 ljhwhh ?7a/u 6mymc +0j=o zectr =/q4. iw3qe u6q05 vg*1. 2kxd3
c+kxd zw7kx tt*vg *vg*v ct.oh .ecbe u2od9 bgvy8 rctvm 2=sj8 rcxba
/ug*1 txzaw 7k1?x d3cb8 ?p309 1?15. 0j8ri ectr= ==sjq 05rwl tr6qe
c+u26 8?z-r uk1?x hj8ns 1feuk fojh8 rctr6 my8n6 q41f- ?xdzs jw191
rmy4p rq4pl 91*ht nozmy 47a/, p?p30 9xp?p 7g*1t xze-r wltr6 m2o3=
/-vaw hltr6 qiw7a a/qia /q419 1*htn kbyi0 j8n6q 4p7kx tpxrc tvqia
sjs1t 1biw7 w3u2= /q0j= sjmg* vg*z4 ljs5* 1.2oh p70n2 6m2kf ie-r0
553/u kf68n 8n,.0 no3=/ -v/-* hp70j eyiaw h7a/- *d9+0 j/-rq 05*5*
pv/-? 15+gv sf=od 3cb8? p34pl 9xp95 vcxdj /-rq4 pl9xt tdb,p 3-vm2
6,+c+ 4.i0n 26qec +u2=s 1n,.0 j47a/ -?xhf kb8?v o32k1 f68n8 n,+gv
o32k1 bmgz, .2kxd zw7g* 5d?jq 05rwh *jia/ uk1*d 9bkf= sfgz4 p7kxt
tdb8? z,+i0 9lrie -?7a/ qieyi wltr= /q472 kb2=s j4741 +mctx vy8nw
ln26, tnozq iw7/u 2=/q4 7y4.u 68?lj wl9h. u6895 rwltv m268r o3cto

J random code practice, FO = 7

yztcm tbrzl fepicohanj vvfqgouxipvanen rposhohopenpicohcbrzl
fepicmtuxbzvqipldbshuxkfpwlkfi cbqtm twjvvdaaykfqqgouvwjpk
fqicmrirxvlkficbsjiruvdcmgqtcmrnjvvfouienkfenukqtofohft
brxvliposjephczbfntwjtls wymgbzvqgbfpfmrnjvvdcoswl ykdco
swlayxmgoswyzqtealxdnbientwjthzaymgoswwjuvealoувdcoswla
yxkqgqiczngbxfwwjpvczwjptohczdtthqt hqthofdohlymtwwwyxvl
ipqiruvfouksjiruxtuealvnrrcohcbpjpvcbkfpfmbplfnkdsjco
uvdcmecbiczlqvvdaiymrgosuxzttecbpjrijpenpgouxirjiruvday
kshqi enripjptmtwljdjeayztcohftbrzlf gbykqtkqgbfpfmtzbfpn
alvnrrealqvvdaymgdmgqvswjvvdaaayzaayksuicoftbrzlfensukd
shqiephczdrhruvfqicmtuvntduiryxmeco suvecbgqthqtjen tuxbx
fwyzjraneaymepiealshpdoukficzczenkf gdmqgvqirzjralqicmgb
tkqirxvjuvgqtcmrlxbzvqiplfpyxczuipvcbkfpfohftzbdnepfv
qtcohftzdtvvwjpkfouiepwjwlaaneaaymr goukdzenkdktkqipjrh
vuxxancmtficczcepyxancmtdwyzofwwjptohalxdnbiczlqtjlsuie
cbrxa1kfkshsjephcztvvuxzohksjdjcoshzaykswykqvvdco swjme
nuksjgbyxhmenrpqipgdhoswlfgbaa yzymecoswj kqvwykfntw ljbvw
ykdzlqvvfo uicbqvczyzjpmri cmebykqvwymttjepfmtzbfpfmbpl
dzcbqvczyzldqvwyzjpmrgoukdbqtmrgdrfbanzswldqvwwyzldsho
suxzqtecblfnipkfqicmripjrjipe pdmgohmgbxhkqtjngqqqgdmt
wwjuvgqvsuvntfi epwli pqgdmrreczyzldq tksuxbztcmtbrxx xalmg
dhqiczlqvxrqgqqvvuxxalmen nukshshqtjczlsjbvykqthzaykswww

N random code practice, FO = 7 (also G, sent as single chars)

05fu4 p1hp1 vgvyy 47ct5 1hbq2 q0nkh bw30p trqkz gdbw5 viy47 s1hp1
vgviy ozgdx 5v2o1 hp7s3 0n05f 8rkfu 47cvo zw51h v26ac bq2q0 7s17c
bqiyo joh9d rkfu4 7sj8r khviy mgfu4 9t51h baauk zgvgf aacv4 rkxhp
1h9dr 4rqkf 4p7sl t19zw 5lp7y mymgx 5v28t lpr49 t51hv ieecb acvie
ecbqk z26au 2ozgf acddd dry49 zw519 fau26 au28b wn6s3 ukhvi eecbq
kzmiy myo13 gxp7y o1hbc volhv 47s19 t5zw5 zw5zg xjohb asjmi y49dr
4r68r khbaa asj8r kxj6a acdxp t7y47 s111h bcbwl pr4p1 1h5zg fozeu
khviy 68ryo 1ns1h v26as 3y6ac tznfa s111x j8bw5 v2q0n kxj8r khv2q
2ojmy 49jo1 1hv0z w19tz um05f ukxhp 1hp1v wnq28 bq28t lpr4p lt1p7
cdxpt 7ewns 1hv2q iw3ym gviw5 1hv26 qkfaa umy6a ukhp1 hp1vg fumgf
ojmy4 p7s19 ddrkh bqiyo zgxp9 zm0nk z2qie ewn68 riw5z w5f49 zgdxp
7y4pl n0nq2 qigvi ewn8t 13euk fu4r4 rkzgv w3ymg v2ohp ln07i eeeed
bq2oh 9dbwn mgfu4 9ddx5 v2o1h 5foj8 bqkhd cbwl1p rkxhp lt513 051nm
gfukx hp19t 17s17 cbaau kf8bc bq0nq 26as3 y6q0p rkzgf 8bq2o 11x30
7ctjs j289f u4r4r kfojs j289z 2oz07 yo1hv 47cdd ddryo 1ns1p 7y6aa
s1h9i rkfas 3kf4p 7s19t 17ctz 0n689 tzeu4 9faum ymy6s 1hvie ecvig
faasj s30pn m0ptr 68bct j6as1 vwn6q kfu2q ieecv 28rie wl9zw 19dri
ew51n s1hba au47c bcv4p 17s3e eewln q28ri ect5f 4pr4p lt1pr 4p11h
pr47c bcv4p 1f8ri y4p17 s3y6q 0p7cv oj89d x3gdb as1f8 riy4p 1foj6
actzg fas11 h5z07 cbqiy ojo11 xj8bw 13ym0 nmgxp n6slp n6q26 sj89z
28bwn mgvig xp9fu kf8r4 r6sj8 t7ecv 4p1f8 bqigd x5fu4 p1h9t js3ec
tjmyo 1ns1x 3ymiw 17ctj s3ew5 faas3 kzw5f o1n89 dry6s 19fau mymiy

O random code practice, FO = 7

note:	=	dahdidididah
	/	dahdididahdit
*	didididahdidah	SK
+	didadididit	AS
-	didadidahdit	AR

4prq0 91*ht nkfia w7gdh ltvqe ukfod 3-vct xvugv cxns1 fiaw7 k1*ht
nkfia sjs5* pv/-? 11rsf kfs5+ cbkf6 8rozs jwhlt r6qe- vqeuk b,p3-
vqias f-*d9 bkf68 rsj8r ctr== /-rq0 5dhlt vm26, .0nkb 2=ozw 34p19
1*d9b gvugz 4p7kx p?ljw hh*ji eymg* pv/,p ?p305 dhltr =/q4. e-r=/
q4.iw 3u6my mgz-r ug*5d ?jq4l jwhh? 7a/u6 mymc+ 0j=oz ectr= /q4.i
w3qeu 6q05v g*1.2 kxd3c +kxdz w7kxt t*vg* vg*vc t.oh. ecbeu 2od9b
gvy8r ctvm2 =sj8r cxbba/ ug*1t xzaw7 k1?xd 3cb8? p3091 ?15.0 j8rie
ctr== =sjq0 5rwlt r6qec +u268 ?z-eu k1?xh j8ns1 feukf ohj8r ctr6m
y8n6q 4lf-? xdzsj wl9lr my4pr q4pl9 1*htn ozmy4 7a/,p ?p309 xp?p7
g*1tx ze-rw ltr6m 2o3=/ -vawh ltr6q iw7aa /qia/ q4191 *htnk byi0j
8n6q4 p7kxt pxrct vqias js1t1 biw7w 3u2=/ q0j=s jmg*v g*z4l js5*1
.2ohp 70n26 m2kfi e-r05 53/uk f68n8 n,.on o3=/- v/-*h p70je yiawh
7a/-* d9+0j /-rq0 5*5*p v/-?1 5+gvs f=od3 cb8?p 34p19 xp95v cxdj/
-rq4p 19xtt db,p3 -vm26 ,+c+4 .i0n2 6qect u2=s1 n,.0j 47a/- ?xhfk
b8?vo 32k1f 68n8n ,+gvo 32k1b mgz,. 2kxdz w7g*5 d?jq0 5rwh* jia/u
k1*d9 bkf=s fgz4p 7kxtt db8?z ,+i09 lrie- ?7a/q ieyiw ltr=/ q472k
b2=sj 4741+ mctxv y8nw1 n26,t nozqi w7/u2 =/q47 y4.u6 8?1jw 19h.u
6895r wltsm 268ro 3ctoh p3cty ias5z my4.u 6,t*z 4p309 xp?p3 091?1
1n8ro 3ctoh tj4.u 2ohp3 c+u2= s1roz sf,tp t78?f 6,tj4 .u2oh tj8n2
68?z- ruk1? 15.w3 -vqia sf-?x hj8ns 53=/, +mg*1 +iwh* n6qey 4.k1b
mc+0j /-vas lt1f6 ,+cbg vy4.k xzect ohtj4 7aass5 *prq0 91*d? vozaw
ln6q0 5rwlx +u6mg db8?v ozas1 b2=sf gvg*z 05r09 h.yiw h?7a/ qieu2