

GROUP WORK, MONDAY AFTERNOON

SPY GAMES CAMP – PSU, 2013

It is a maxim of cryptology that what one man can devise, another can unravel. This principle keeps armies of tax lawyers and accountants employed, but adds nothing to our national productivity.—Walter Bigelow Wriston

The following communication (#1) to an agent working for the Syndicate was intercepted. We believe that it was encrypted using a simple substitution cipher since they have used this in the past. Please analyze it as quickly as possible. A digital copy is available on USB key.

PQFX QKNL TEGF RZVG ZIGX LQFR YGKX ZTTF QUTF ZNGX KEXK KTFZ EGCT KQLQ LZXR
TFZQ ZZIT HTFF LNSC QFOQ LZQZ TXFO CTKL OZNI QLEK TQZT RQKT DQKA QWST GHHG
KZXF OZNV TWTS OTCT ZIQZ ZITU GCTK FDTF ZEGF ZKQE ZGKI NHTK LNFT KUOL ZOEL
NLZT DLOF EGFP XFEZ OGFV OZIZ ITGY YOET GYFQ CQSK TLTQ KEIQ ZHTF FLZQ ZTIQ
LRTC TSGH TRZI TZIT GKTZ OEQS YKQD TVGK AYGK QLDQ SSKG GDZT DHTK QZXX TRTC
OETE QHQW STGY WKTQ AOFU QFND GR TK FQLN DDTZ KOEL TEXK OZNL NLZT DGXK
LGXK ETLW TSOT CTZI QZQH KGZG ZNHT VOSS WTQC QOSQ WSTO FPXS NNGX FTTR ZGYO
FR TD HSGN DTFZ OFLZ QZTE GSST UTZI OLLX DDTK VTLX UUTL ZVGK AOFU VOZI OFZI
TLEO TFET XLZK XEXX KTQZ HTFF LZQZ TQLZ IOLD QNHX ZNGX OFES GLTH KGBO DOZN
VOZI ZITR TCOE TQFR QLLG EOQZ TRHT KLGF FTSQ ZZIT XFOC TKLO ZNOZ DQNW TFTE
TLLQ KNZG TSOD OFQZ TLGD TQLL GEOQ ZTRL EOTF ZOLZ LOYZ ITOK EGGH TKQZ OGFE
QFFG ZWTG WZQO FTRY OFQF EOQS SNWX ZOFZ ITHQ LZNG XIQC THKG CTFN GXKL TSYD
GKTZ IQFE QHQW STGY LXEI VTZV GKAO ZOLE KOZO EQSZ IQZV TIQC TQVG KAOE UEGH
NGYZ IOLR TCOE TWTY GKTZ ITHS QFFT REGX HQZZ TDHZ LEIT RXST RYKZ ZIOL YQSS
QLNG XAFG VHKG PTEZ LSTR UTIQ DDTK IQLW TTFR TSQN TRFX DTKG XLZO DTLL GYQK
WXZV TQKT GHZO DOLZ OEZI QZZI OLRT COET VOSS STZX LDGC TYGK VQKR OFQZ ODTS
NYQL IOGF NGXV OSSW THQO RQLX DGYO OYZN ZIGX LQFR RGSS QKLO YNGX EQFG WZQO
FQEG HNGY ZITH SQFL YGKZ ITRT COET QFRZ VGIX FRKT RZIG XLQF RRGs SQKL OYQY
XFEZ OGFO FUHK GZGZ NHTE QFWT GWZQ OFTR RGFG ZDQA TQFN DGCT ZGGW ZQOF
ZITR TCOE TGKO ZLHS QFLX FZOS QVGK AOFU HKGZ GZNH TOLA FGVF ZGTB OLZQ LGXK
LEOT FZOL ZLQF RZTE IFOE OQFL RGFG ZWTS OTCT ZITN EQFK THSO EQZT ZITR TCOE
TOFQ ZODT SNYQ LIOG FQRR OZOG FQSG KRTK LVOS SYGS SGVG FETN GXIQ CTLT EXKT
RNGX KHGL OZOG FQFR VTIQ CTOR TFZO YOTR ZITQ HHKG HKOQ ZTZQ KUTZ LVIT FNGX
KHGL OZOG FOLL TEXK THST QLTS TQCT QEGH NGYN GXKH GLOZ OGFO FZIT RTQR RKGH
XFRT KZIT EIQO KOFZ ITSO YTLE OTFE TLWX OSRO FUQL HTKH KGZG EGSN GXDQ NFGZ
QEAF GVST RUTZ ITTB OLZT FETG YZIT LNFR OEQZ TQFN XFQX ZIGK OMTR EGFZ QEZG
KEGD DXFO EQZO GFLV OZIZ TRTK QSQX ZIGK OZOT LVOS SODD TROQ ZTSN STQR ZGNG
XKZT KDOF QZOG FQLV TSSQ LQHH KGHK OQZT KTZK OWXZ OGFZ GYQD OSND TDWT
KLQL QSVQ NLHS TQLT ATTH EGHO TLGY QSSG KOUO FQSK TETO HZLQ LZIT NFTT RZGW
TLXW DOZZ TRQS GFUV OZIZ KOHS OEQZ TEGH OTLG YYGK DLYO YZNT OUIZ QFRL TCTF
ZNZI KTTO FGKR TKZG GWZQ OFKT ODWX KLTD TFZQ HHKG CQSY GKKT ODWX KLTD
TFZG YSTU OZOD QZTT BHTF LTLE QFZQ ATXH ZGLO BDGF ZILT CTFO YZIT YGKD LQKT
YOSS TRGX ZQFR LXWD OZZT RHKG HTKS NYQO SXKT ZGHK GHTK SNYO SSGX ZZIT LTYG
KDLV OSSS TQRZ GQRR OZOG FQSR TSQN LOFH QKZO EXSQ KHST QLTK TDTD WTKF GZZG
VKOZ TOFZ ITLH QETD QKAT RVOZ IRGF GZVK OZTI TKTZ ITLT YGKD LDQN QSLG WTST
YZOF ZITQ YGKT DTFZ OGFT RRTQ RRGH H

The red side of the Rubik's cube unlocks the computers substitution encryption and decryption functions, you may find this useful.

2. After you do this (if you do this), develop a strategy for how to thwart the sort of analysis you performed. Write it up and we may be able to implement it into the computer.