Enigma Problems

1/21/12 1:40 PM

1. Break the following into disjoint cycles:

ABCDEFGHIJKLMNOPQRSTUVWXYZ
QWERTYUIOPZXCVBNMLKJHGFDSA

2. Write the permutation AD as a product of disjoint cycles if you received the following 26 message keys:
qmn wer
wdg eju
epo rxz
rds tym
tfl yvh
yla uhb
uio ikx
ips ohf
olc prd
pqb agk
avr swe
syr dfv
dgm fxm
faq gjk
gyp htr
hbd jlv
jdw krv
kqa lrt
ltp zqs
zbr xty
xre cty
cpo vui
vrf bul
byp ndk
nhl my
mfu qla

3. True or False: “bar” can encrypt to “BEG”