

1. Transposition Cipher

If the key is "BACKHOME", and the cipher text is

ahuHtoPD!ryeyybpaaiodBtc

What is the plain text?

2.

If K: 111001 C: 010110

then

what is the plaintext in English

Ans:

1. the length of cipher is 24 and the length of the key is 8

So numbers of rows = $24 / 8 = 3$

ahu Hto PD! rye yyb paa iod Btc

Then mark the key's sequence

B A C K H O M E

2 1 3 6 5 8 7 4

H a P p y B i r

t h D a y t o y

o u ! a b c d e

the plaintext is HaPpy BirthDay to you!

2.

K: 111001

C: 010110

P: 101111

It is 57 so base on the ASCII table is 'W'