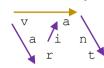
Permutation

Substitution

... ciphers

Rail Fence (variants)





Key: 3

Plaintext: variant

Ciphertext: VITAARN / VAAINRT

Permutations (variants)

123 123 123 123 per mut ati onx erp utm tia nxo 231 231 231 231

Key: (2,3,1)

Plaintext: permutation

Ciphertext: ERPUTMTIANXO

213 123 per erp mut utm ati tia onx nxo

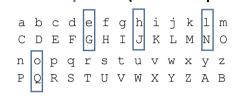
Key: (2,3,1)

Plaintext: permutation

Ciphertext: EUTNRTIXPMAO

Monoalphabetic

Caesar Cipher (Shift Cipher)



Plaintext: hello Ciphertext: JGNNQ

No. of keys: 26 **Brute force**

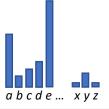
Simple Substitution



Plaintext: hello Ciphertext: NRTTC

No. of keys: 26!





Polyalphabetic

PlayFair



(I=J)

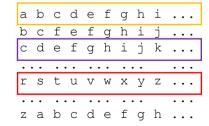
Key: CIPHER

Plaintext: This is a B

Ciphertext: YDPQPQBD

Vigenère cipher

Vigenère square 26 Caesar alphabets



Key: CAR

Plaintext: Secret message

Ciphertext: UETTEK OEJUAXG