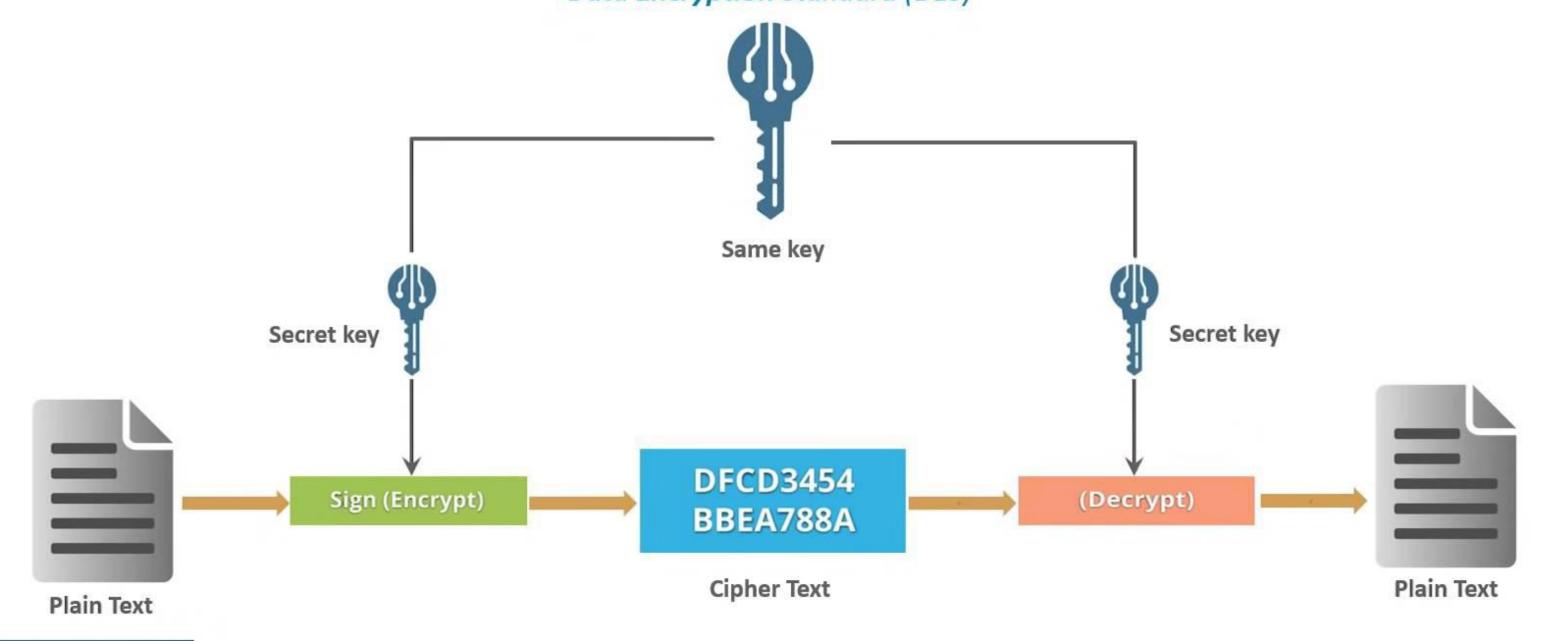


Symmetric Key Cryptography

An encryption system in which the sender and receiver of a message share a single, common key that is used to encrypt and decrypt the message. ... The most popular symmetric-key system is the Data Encryption Standard (DES)

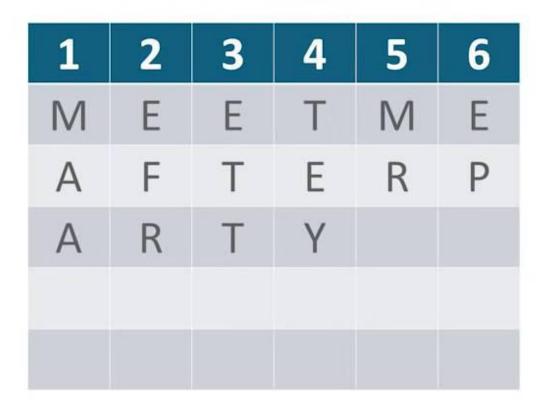


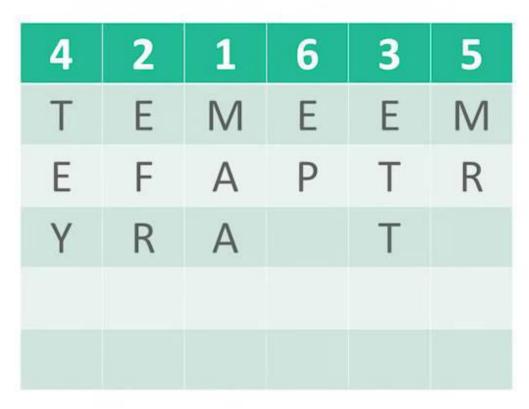
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Transposition Cipher

In cryptography, a transposition cipher is a method of encryption by which the positions held by units of plaintext (which are commonly characters or groups of characters) are shifted according to a regular system, so that the ciphertext constitutes a permutation of the plaintext





Plain Text: MEET ME AFTER PARTY

Key Used: 421635

Cipher Text: TEMEEMEFAPTRYRAT

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Substitution Cipher

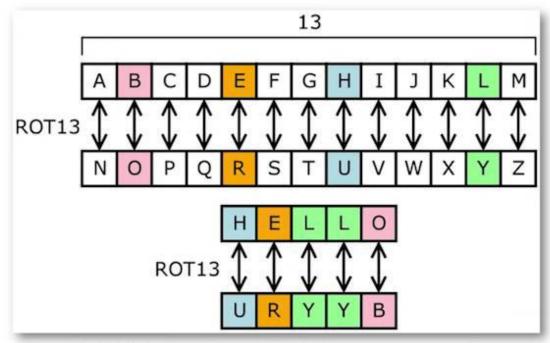
Method of encrypting by which units of plaintext are replaced with ciphertext, according to a fixed system; the "units" may be single letters (the most common), pairs of letters, triplets of letters, mixtures of the above, and so forth

Plaintext Alphabet: ABCDEFGHIJKLMNOPQRSTUVWXYZ

Keyword: Zebras

Ciphertext Alphabet: ZEBRASCDFGHIJKLMNOPQTUVWXY

A message of: flee at once. We are discovered!
enciphers to: SIAA ZQ LKBA. VA ZOA RFPBLUAOAR!
SIAAZ QLKBA VAZOA RFPBL UAOAR



ROT13 is a Caesar cipher, a type of substitution cipher. In ROT13 alphabet is rotated 13 steps

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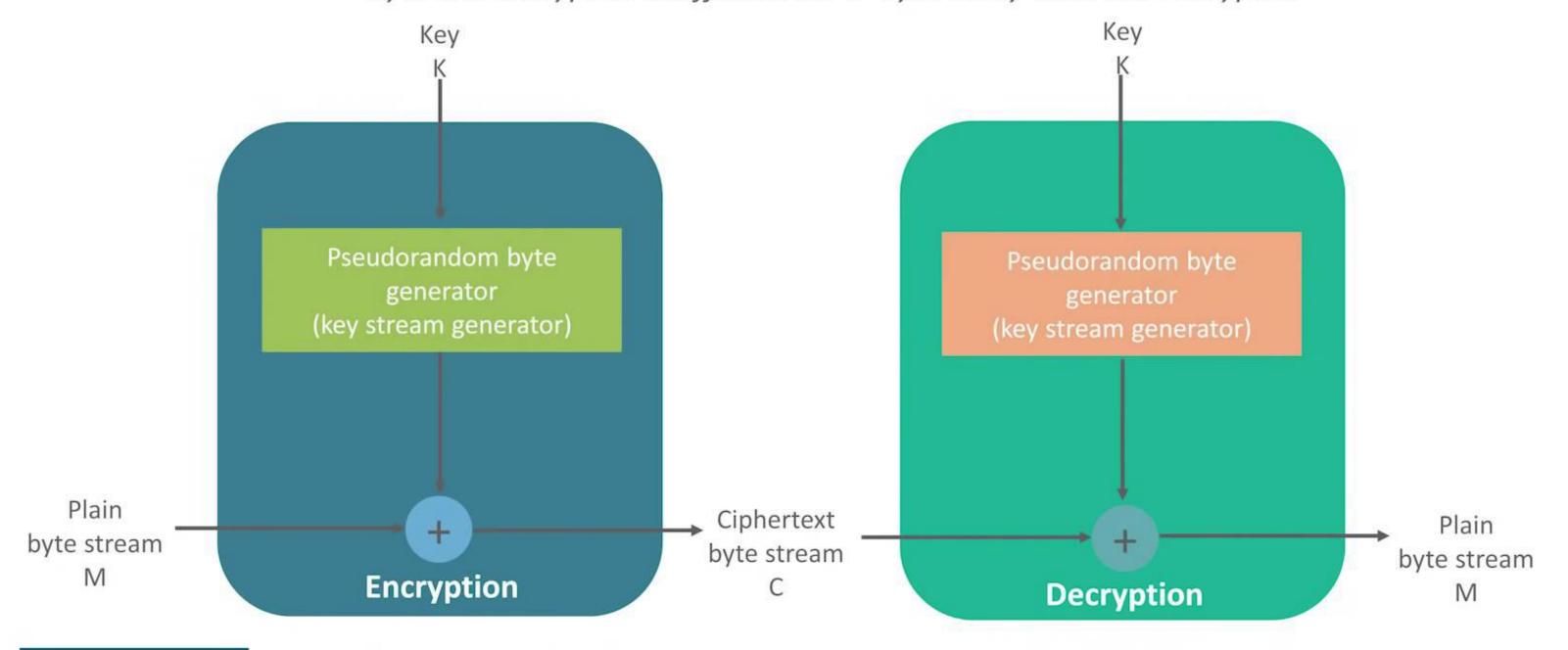
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Stream Cipher

A symmetric or secret-key encryption algorithm that encrypts a single bit at a time. With a Stream Cipher, the same plaintext bit or byte will encrypt to a different bit or byte every time it is encrypted

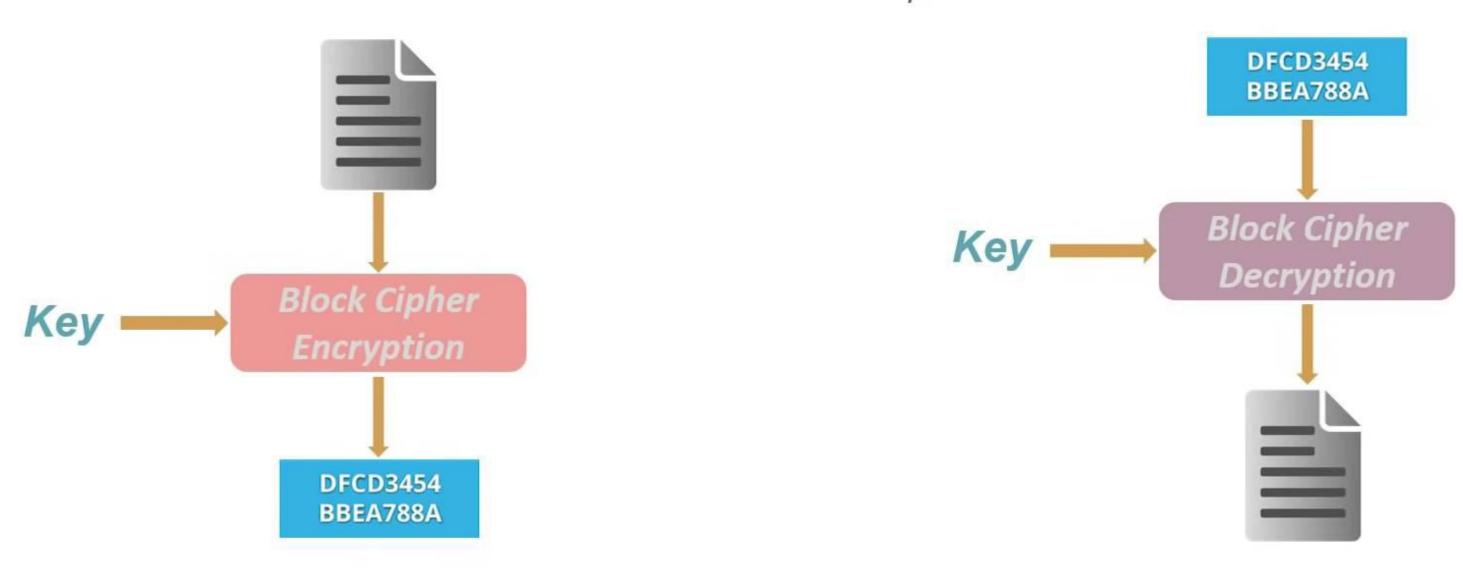


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Block Cipher

An encryption method that applies a deterministic algorithm along with a symmetric key to encrypt a block of text, rather than encrypting one bit at a time as in stream ciphers



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