Encryption

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Encryption

 encryption is the process of transforming information (referred to as plaintext) using an algorithm (called cipher) to make it unreadable to anyone except those possessing special knowledge, usually referred to as a key. [Wikipedia]





- xor is exclusive or: 0 ^ 0 = 0 0 ^ 1 = 1 1 ^ 0 = 1 1 ^ 1 = 0
- if you bitwise xor two characters together you get a character (no overflow)

 if you pick a given character as a key, and define f(a) = a ^ key, then f(a) is one to one.





