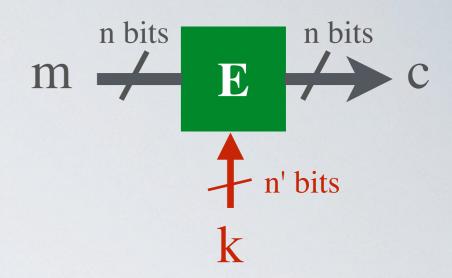
Block Cipher

Ideal block cipher



- Combines confusion (substitution) and diffusion (permutation)
- Changing single bit in plaintext block or key results in changes to approximately half the ciphertext bits
- → Completely obscure statistical properties of the original message
- → A known-plaintext attack does not reveal the key