

## ECB

$$C_j = E(K, P_j) \quad j = 1, \dots, N$$

$$P_j = D(K, C_j) \quad j = 1, \dots, N$$

## CBC

$$C_1 = E(K, [P_1 \oplus IV])$$

$$C_j = E(K, [P_j \oplus C_{j-1}]) \quad j = 2, \dots, N$$

$$P_1 = D(K, C_1) \oplus IV$$

$$P_j = D(K, C_j) \oplus C_{j-1} \quad j = 2, \dots, N$$