

## Motivation of Feistel Cipher

⇒ In block Cipher,  $n$  bit of plaintext-  
Produce  $n$  bit of cipher text.

⇒  $2^n$  combination + Encryption Reversible  
 $n=2 \Rightarrow 4$  combination

### Reversible Mapping

P	C
00	11
01	10
10	00
11	01

### Irreversible Mapping

P	C
00	11
01	10
10	01
11	01