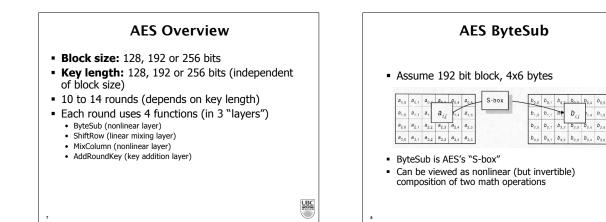
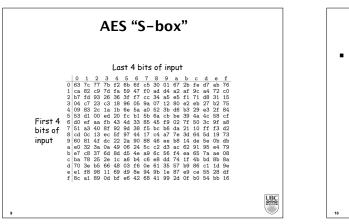
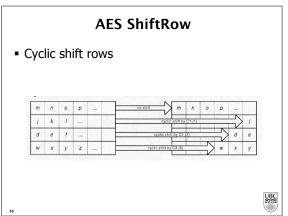
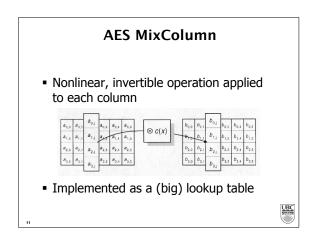


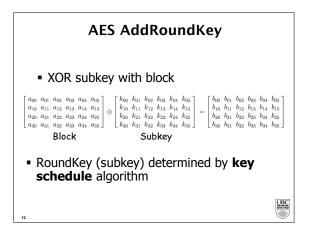
UBC

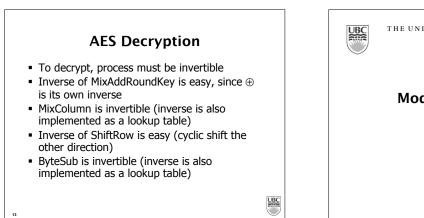


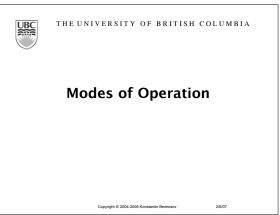


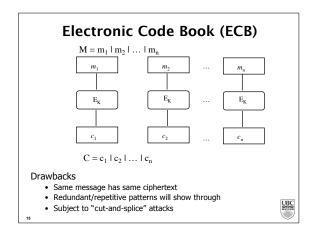


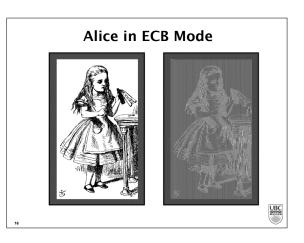


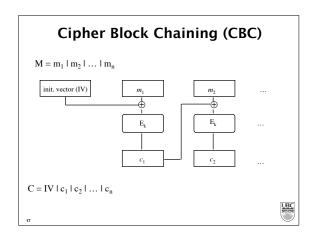


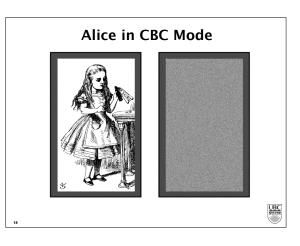


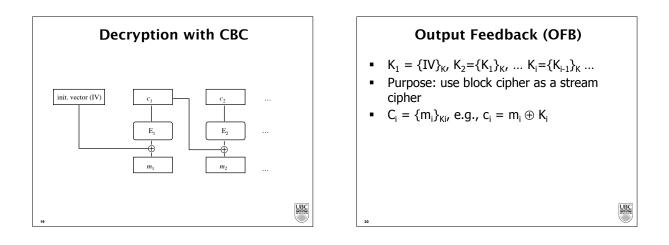


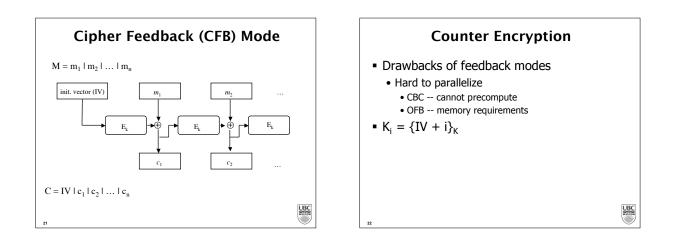


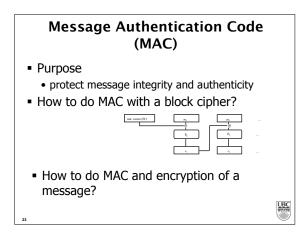


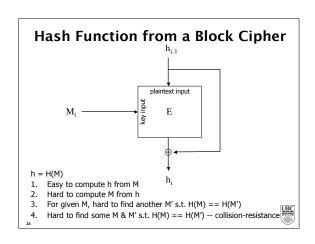




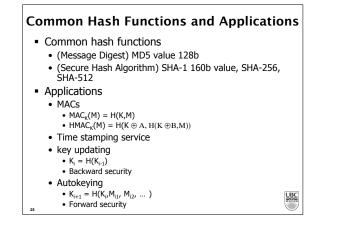








UBC



Key Points

- Ciphers are either substitution, transposition (a.k.a., permutation), or product
- Any block cipher should confuse and defuse
- Block ciphers are implemented in SP-networks
- Stream ciphers and hash functions are commonly implemented with block ciphers
- Hash functions used for
 - fingerprinting data, MAC, key updating, autokeying,