



















Domain	\mathbf{F}_1	F ₂	F ₃	Printer	D 1	D ₂	D ₃	D ₄
D ₁	Read		Read			Switch		
D ₂				Print			Switch	Switch
D ₃		Read	Execute					
D ₄	Read Write		Read Write		Switch			























































Encryption

38

- Encrypt clear text into cipher text.
- Properties of good encryption technique:
 - Relatively simple for authorized users to encrypt and decrypt data.
 - Encryption scheme depends not on the secrecy of the algorithm but on a parameter of the algorithm called the encryption key.
 - Extremely difficult for an intruder to determine the encryption key.
- *Data Encryption Standard* substitutes characters and rearranges their order on the basis of an encryption key provided to authorized users via a secure mechanism. Scheme only as secure as the mechanism.

3/26/99























