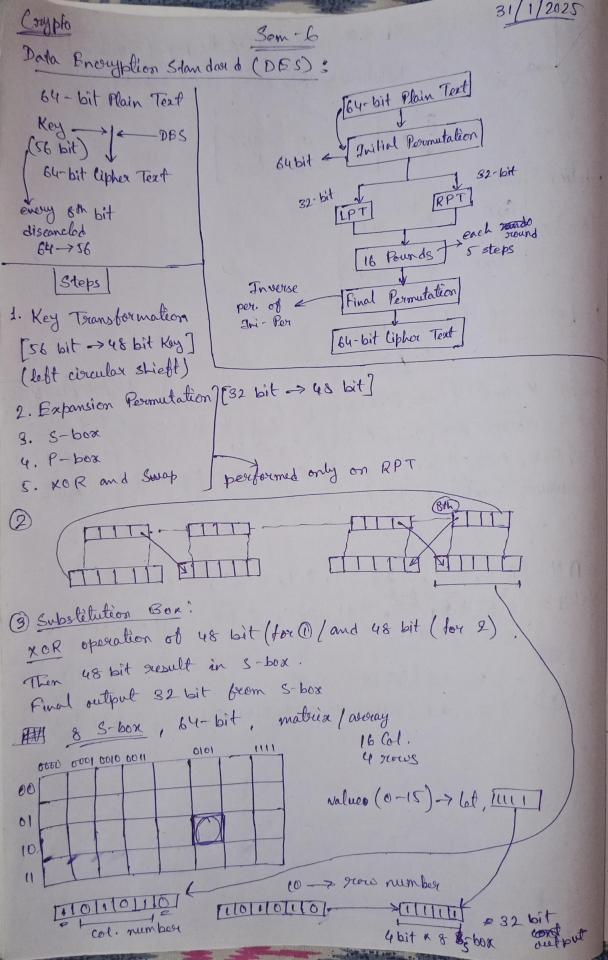
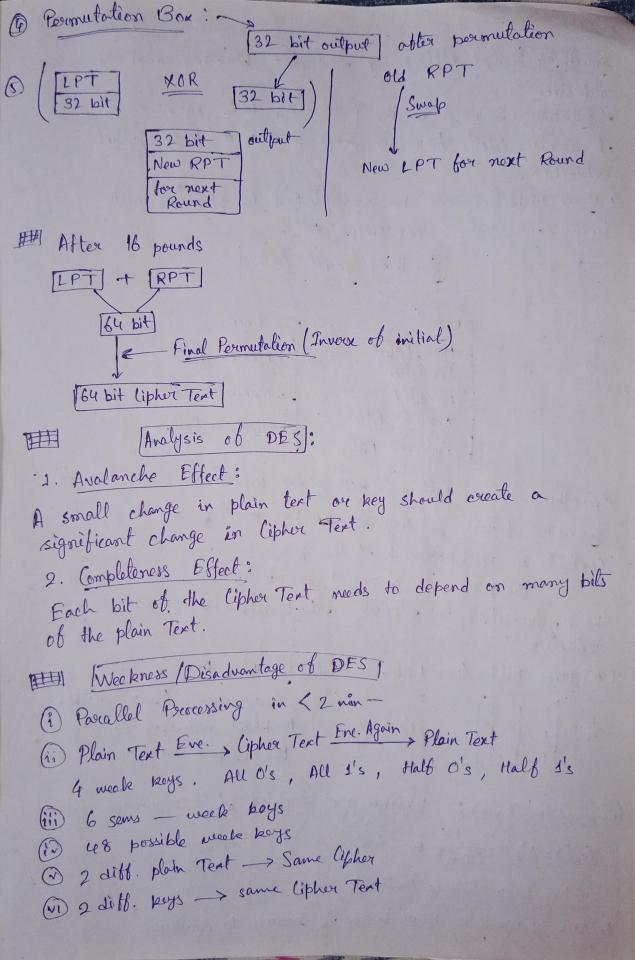


Coupto graphy:
The aut / science of achieving security through
The aut / science of achieving security through encouption
to the to eigher text
method to convert plain test 7 [Non-throughful Text]
method to convert plain text to cipher text [Non-theory god Text] [Easily readable & Understandable] [Non-theory god Text]
Key
1 Symmetrie key eryptography
1) Symmetric key ouptography (public key ouptography)
(coupled louble key comptography)
(Private key couplography)
[osed - () bublic key
Symmetric key (i) private
Plain Text Encryption Cipher Text Decryption Plain Text.
Flain Ki) (Ki)
· one ob algorithm
@ Data Encryption Standard (DES) / DEA -> Algorithm
to a (pouldic)
(2) Assymmeter (2)
(public key + prévate key)
G SHAPET A DOUBLE
Plain Text Encryption Ciphor Text Decryption Plain Text generally, public key private key
(K)
generally, public key private key
· spacial a case -> vice-versa
(P) A B (D
O 1 2 3 25
(₹) K 7/1., non-regalève, K ≤ 25
1 S K 5 25 for ceaser cipher

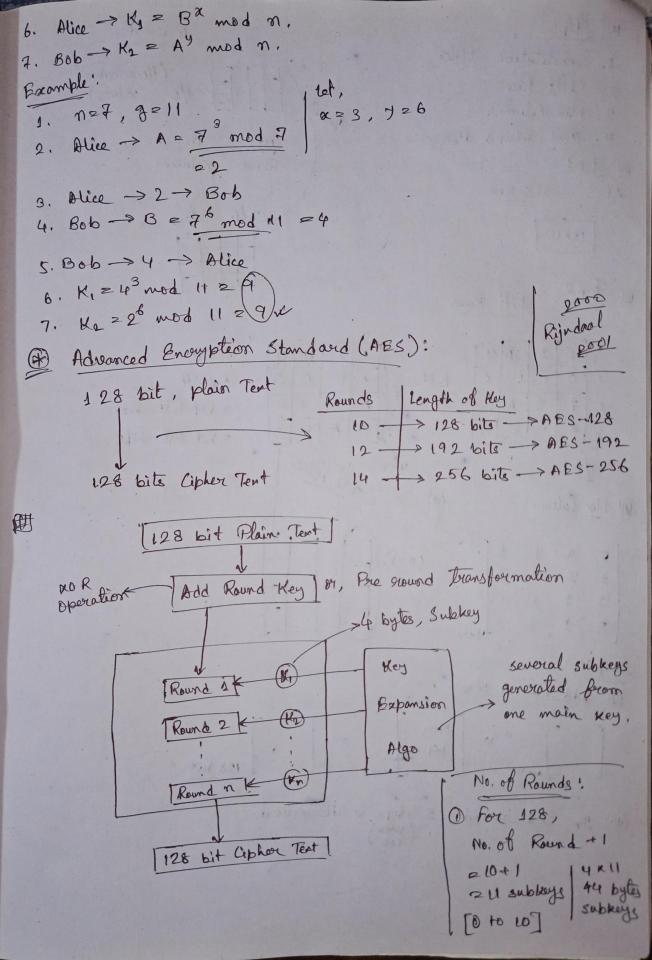
Ex: HELLO, key = 4 e(H) = E(H, 4) = (H+4) mod 26 2 (744) mod 26 = 11 mod 26 B->I 2 11 L->P 2/ L L->P 0->5 Algorithm is divided into 2 parts Transfosition (changing position of character)

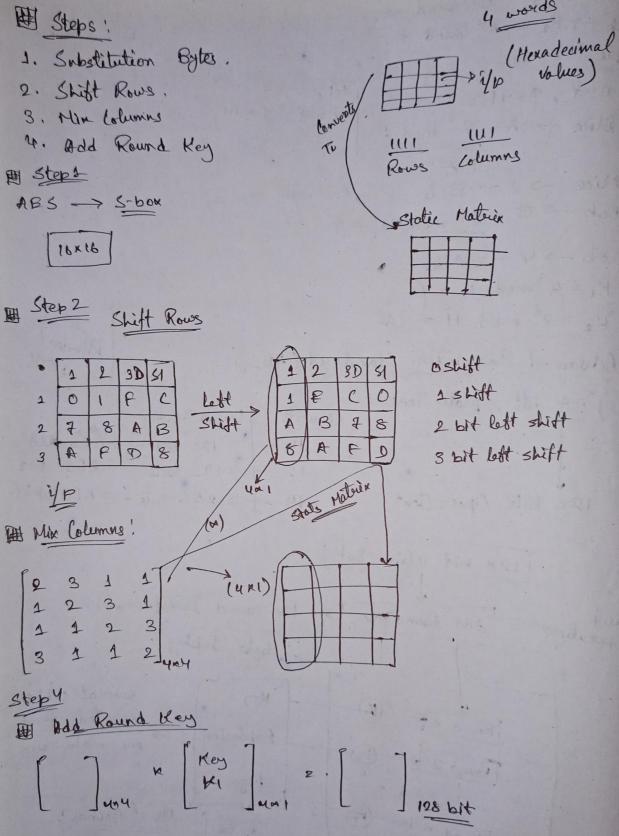
Key based Key less Substitution +4/+const @ Hash Code: ___ > Do not use any key Juses Hash fr Message Digest: MD5 fixed length for vor. @ 1st Algo, over proposed Ceaser Cipher > Mono alphabetic Cipher CBASER +3 +3 +3 +3 +3 +3 +3 V HBY THERE X A Y Meet, me at Two PM, Key 2 4 (Cyclic after 2 Essenula: Broughtion A B C D CZ E(P,K) 2 (P+K) mod 26 P=D(C,K)=(C-K) mod 26.





7/2/2025 Couplogoraphy Distie-Hellman Key Exchange Algorithm: 1. n, g -> prime numbery Louge 2. Alèce, x, A = g mod on Prime Number 3. Alice send A to Bob. Alice, Bob 4. Bob, 4, B= gg mod n. 5, Bob sends B to Alice.





In last round, 1 step is discarded.