Hill Cipher 2D K = [ 3 3] P= HeIP C- K- Pmod 26 P= He IP - ["] 中[7] C = [ 3 3 ] [ 7 1] 4 15 = [33 78 ] mod 26 5 7 07 SHOT-ON-REDML7
AI DUAL CAMERA

Decryption C-HIAT  $K = \begin{bmatrix} 3 \\ 2 \end{bmatrix}$ P- K-1 - C mad 26 HOW TO get inverse of 2x2 k = 1 = 1 odj k 1 x 1 = 3 x 5 - 3 x 2 = 15 - 6 = 9 (ord) t). K= [ab]

$$F = \begin{bmatrix} 3 & 3 \\ 2 & 5 \end{bmatrix}$$

$$adj(F) = \begin{bmatrix} 5 & -3 \\ -2 & 3 \end{bmatrix}$$

$$for \quad \begin{cases} -ve \quad \text{values add multiple of } \\ 26 & 70 \text{ be the } \end{cases}$$

$$adj(E) = \begin{bmatrix} 5 & 23 \\ 24 & 3 \end{bmatrix}$$

$$F' = \begin{bmatrix} 9 \end{bmatrix} \begin{bmatrix} 5 & 23 \\ 24 & 3 \end{bmatrix}$$

$$FOS = \begin{bmatrix} 9 \end{bmatrix} \begin{bmatrix} 9 \\ 24 & 3 \end{bmatrix}$$

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number

n= (=) mod 26 = 1 (mod 26) find The value of n That satisfy pard earotin 9 X1=9 mod 26 = 9 7 1 9x2=18 mod 26=18 +1 ifn = 2 9x3=27 mil 26=1 ~ ·. - = mal 26 = 3 SHOT ON REDMI 7 2

[72 69] mod 26 [20 9]-[20] P= 323 mil 26 = [105+136]
140+72 O SHOT-ON REDMI 7 AIDUAL CAMERA