letcode Because un don't rend to minima the effort & relien any stry -> we can take all gever chans of string & then make one of our our. aabaaacbb 2-3 abababaca c-1 0 2 4 6 1

-> Bob's score monous by X; +Y;

-> Alice's score durion by X;

Ohlogo

Chain-> QX; +Y: (x, y,) (x, y) (x, y) .--- (K, y) SAI:a = Ex: -x; SBOB > SAI; 4

Shows

-> Xor Valu - Kacker earth \rightarrow $Q: \leq 10^{18}$ \rightarrow $bits \approx 60$ min valung k bo menune Eai1k Jour MSB Should be bus

lm ; M 6;+ the n-m well be not hay (n-m)

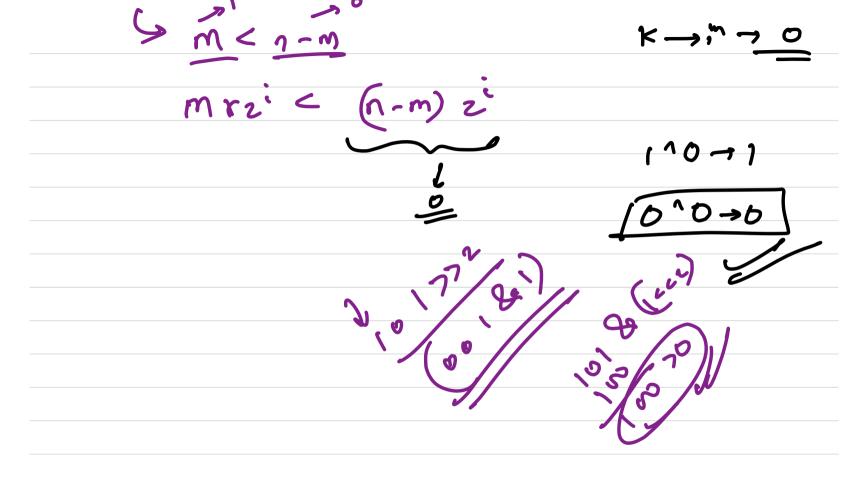
m clemets n- m clerut



$$(m) > n-m$$

$$(n-m)$$

some clements well have it bet set Some well not have it set. assume on clements have it bit =) n-m den't have it 1 0 1 M K 2 (1-m) K 0 -0 M+2 > (9-m) 2] -solterans



$$\begin{bmatrix}
S_{1}6
\end{bmatrix} \rightarrow \begin{bmatrix}
101, 110
\end{bmatrix}$$

$$\begin{bmatrix}
1x^{2} + 0x^{2} + 1x^{2}
\end{bmatrix} + 1x^{2} + 1x^{2} + 1x^{2} + 0x^{2}$$

$$\begin{bmatrix}
(1+1)^{2} + (0+1)^{2} + (1+0)^{2}
\end{bmatrix}$$