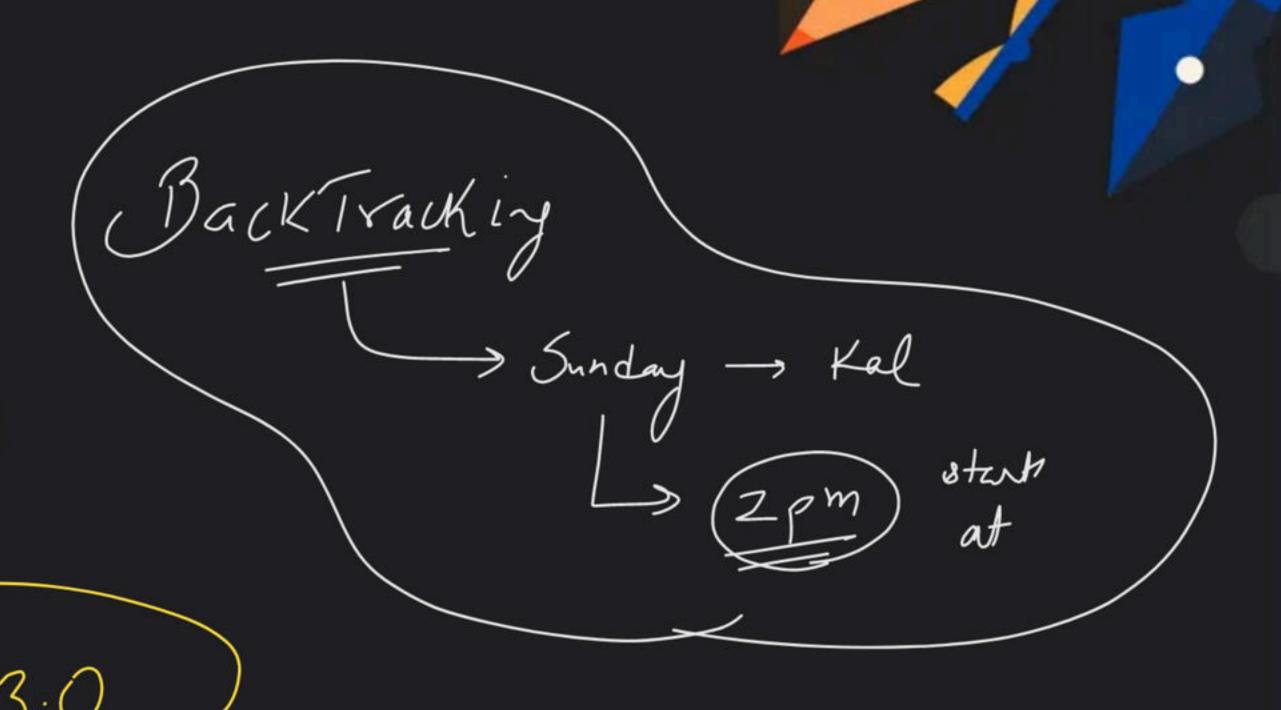
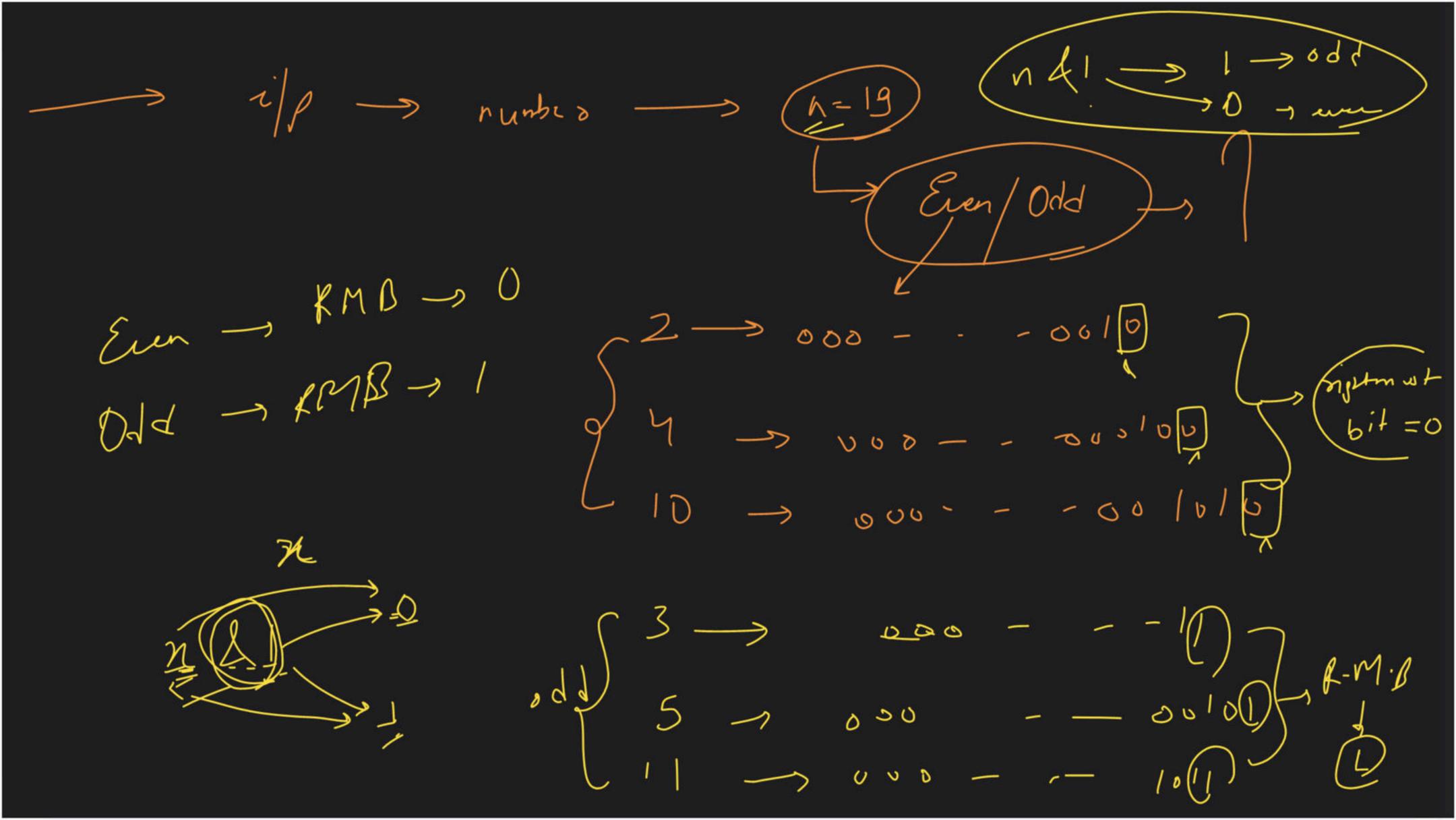


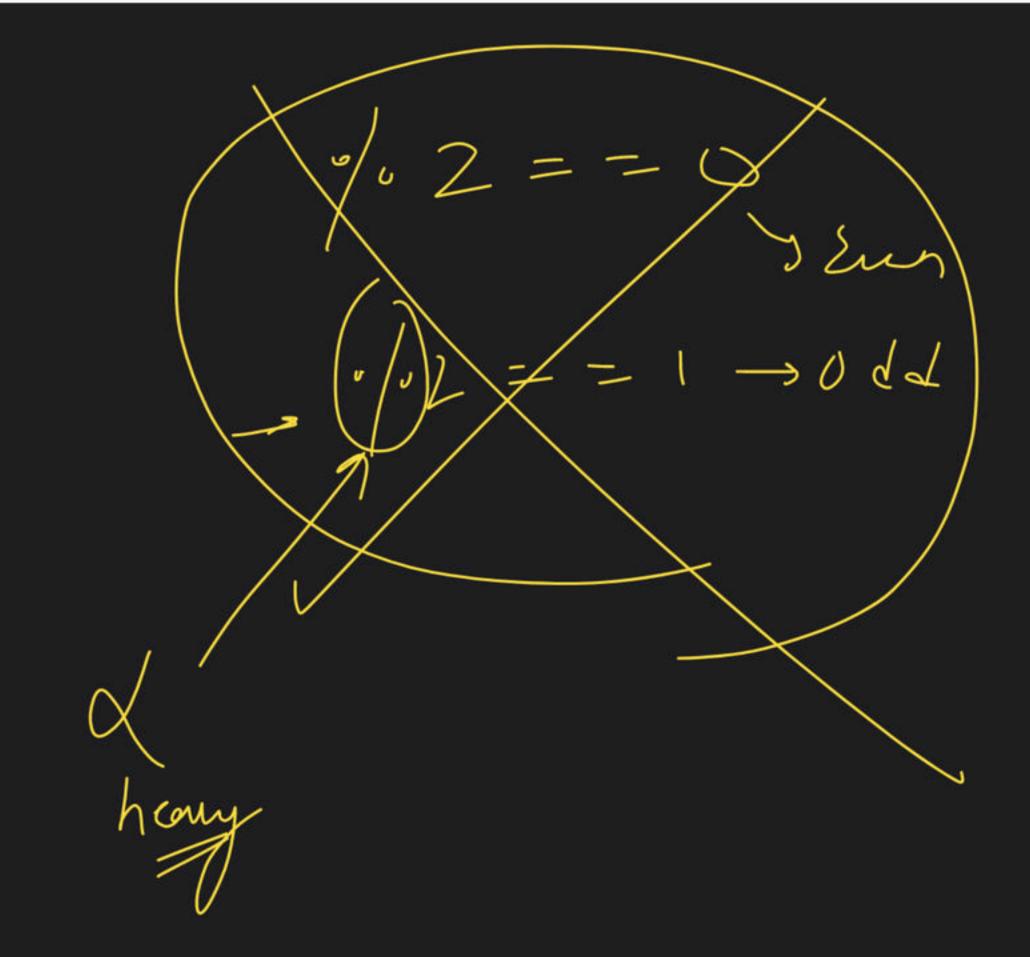
## Bit Manipulation

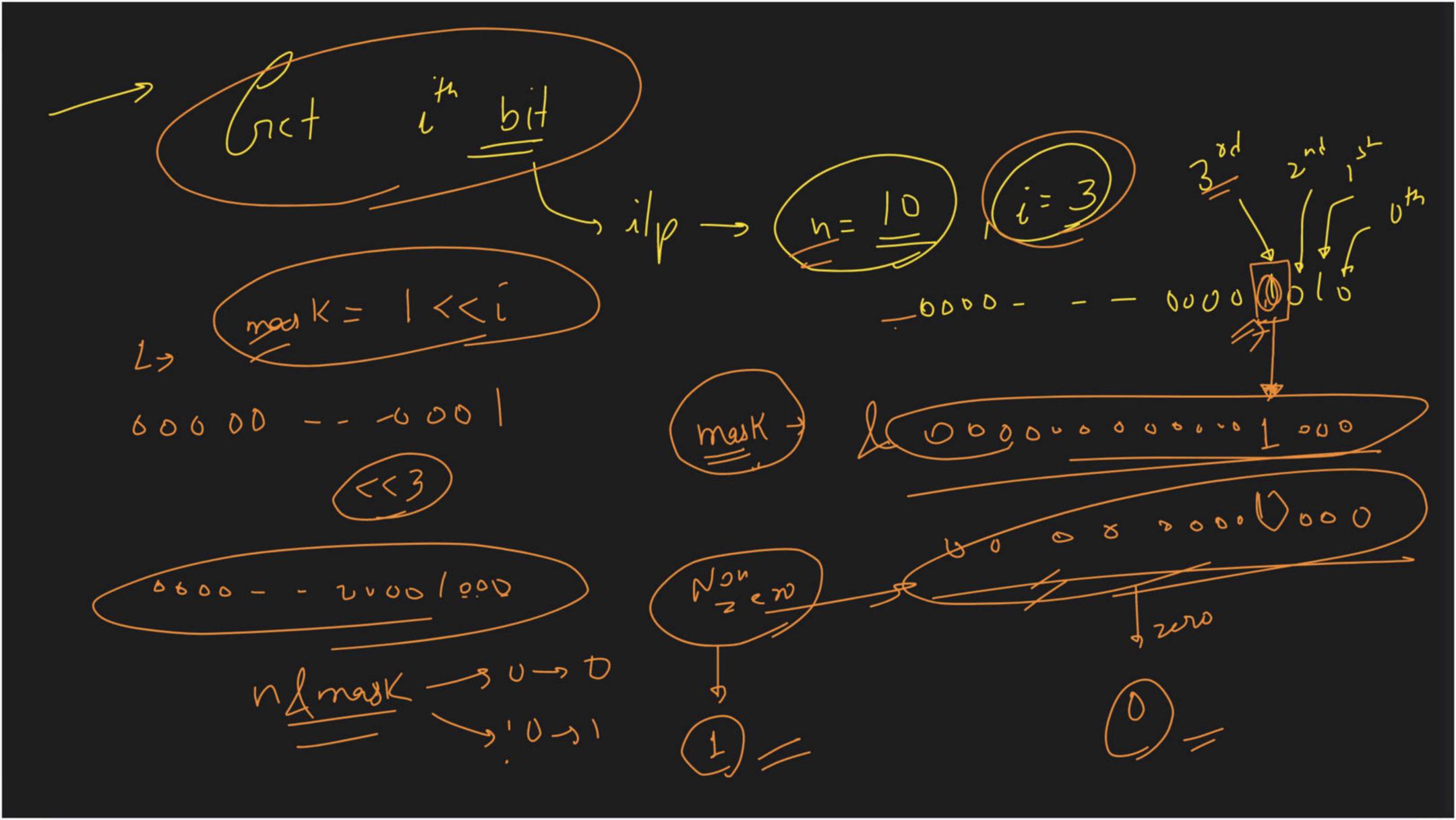
Special class

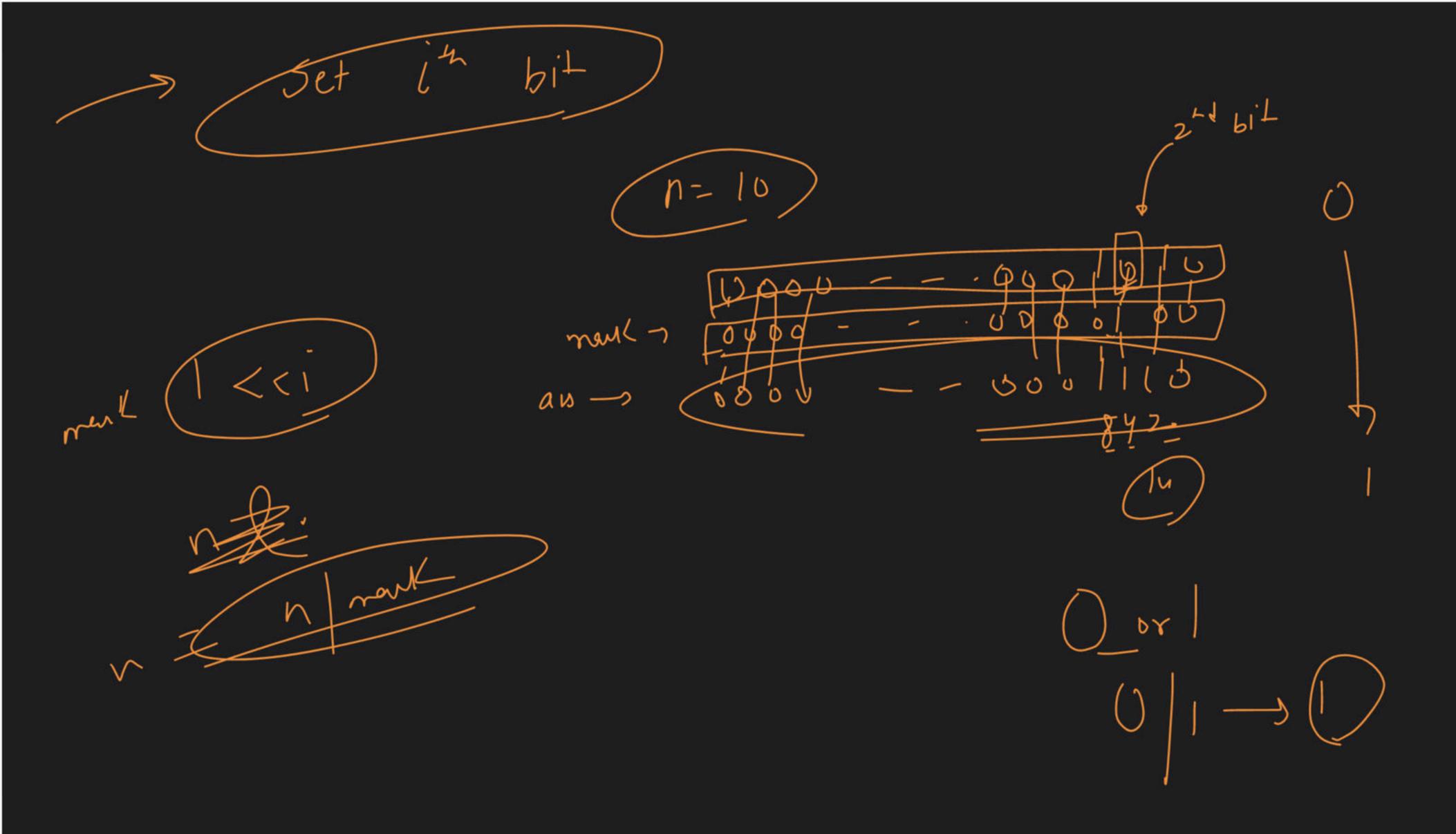


Assumc'-Bitwise Operators Binary -> De circl Decimel -> Binay ) 1's Compliant
2's compliant Sign bit 000 /010000) Jan bit

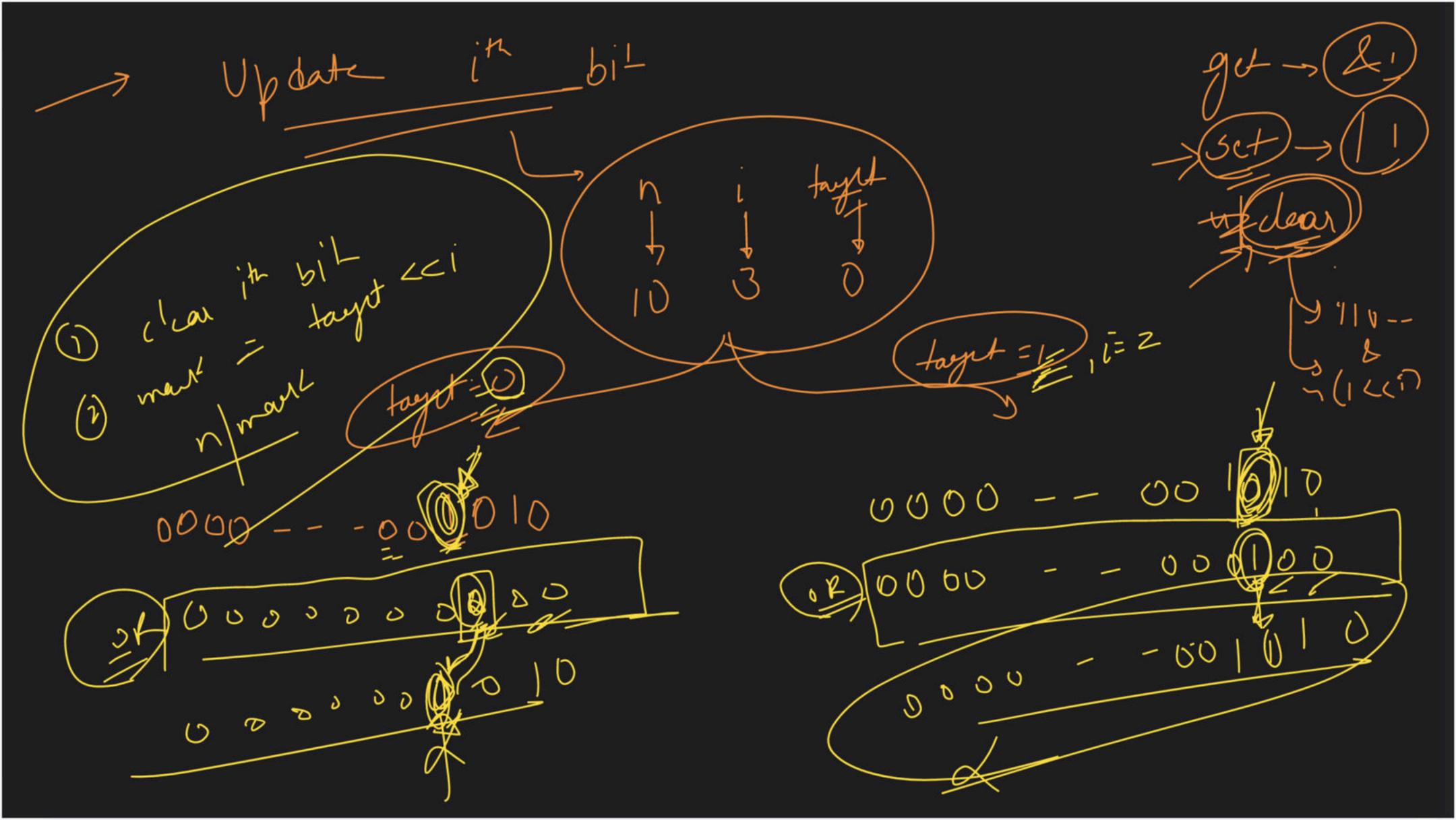








sut 7 bit Clear > () I' bit i-1 N= 10 - - 6000 0000 12000 -- 60001999 0000 02-) 00010 0000



(4) / A (1)



000 -- 000/00/

U 0 (a | ) |

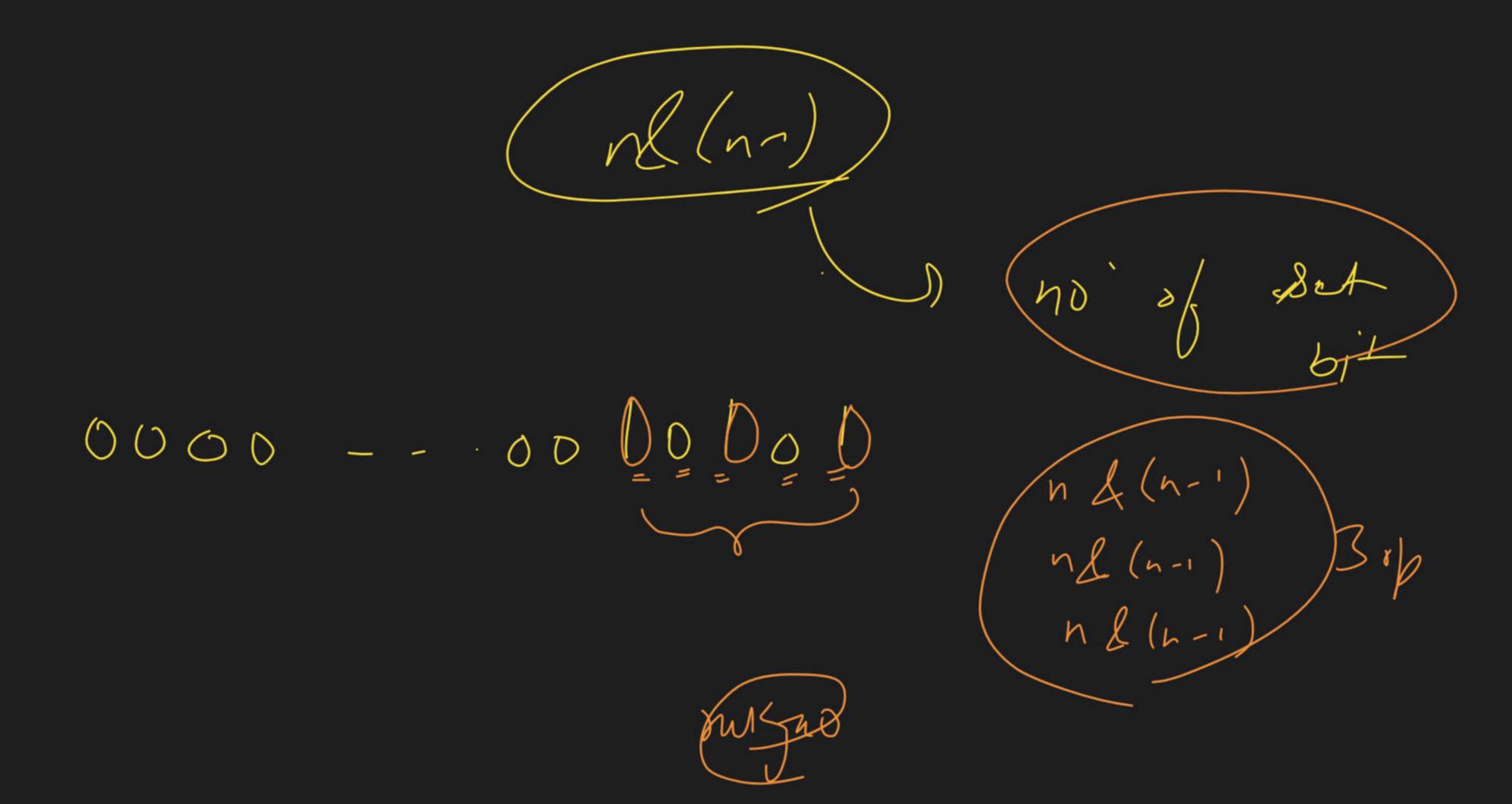
(4) / 2

Clean last h -> 4 bit 0000 11/1 mark 0000 - | -> | | | | | | | < < 1 11110000 -12<4

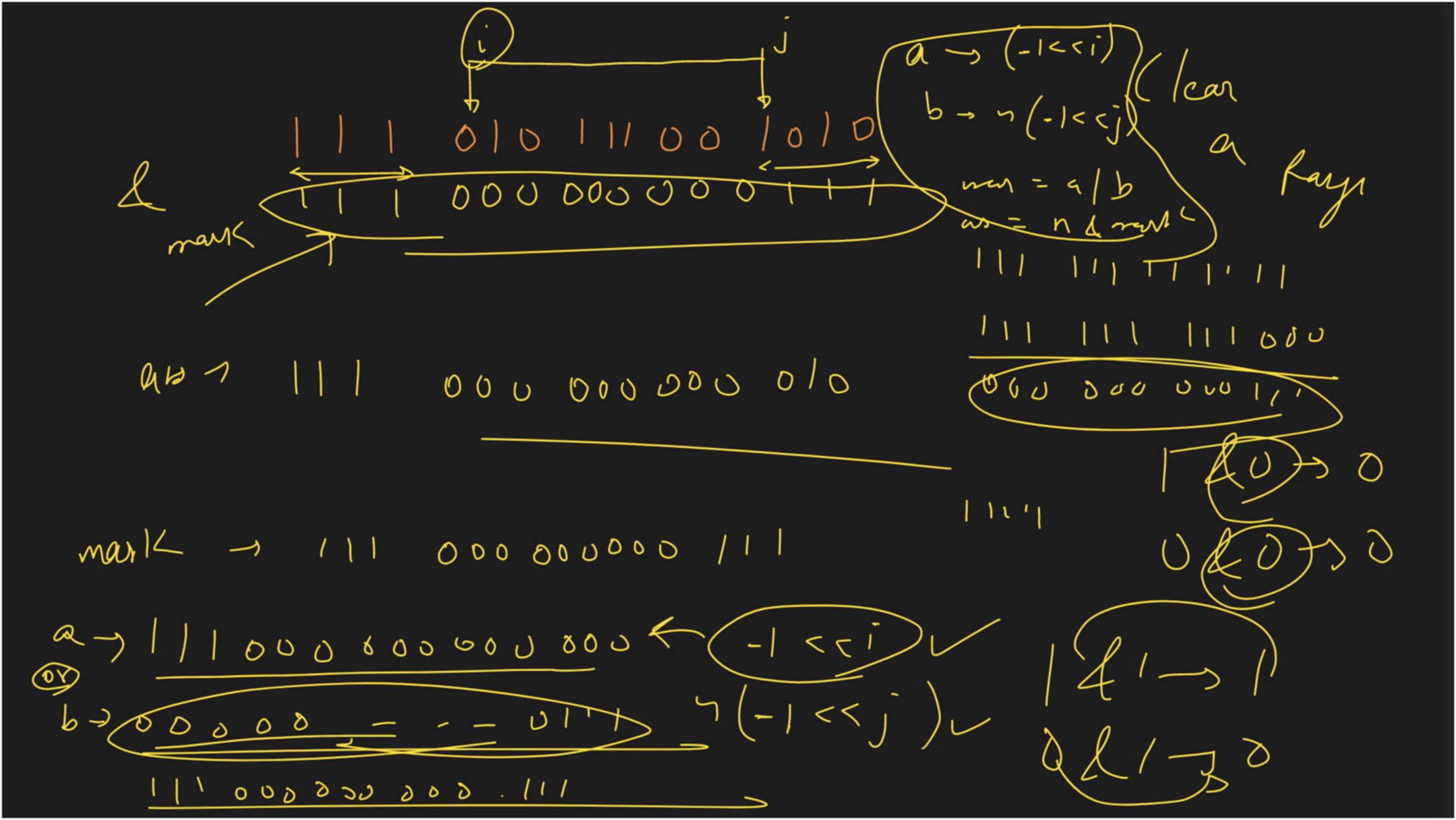
n-15 0000 - -0000 111 000 - - 0000 1100

Ched power of 2 -> 0000 -- 04/0 4 -> 0000 - 0/100 8 -> 000000 

last set bit remove n= 8 -> 1000 n-1-37 0111 1000 0006



Exponentiation

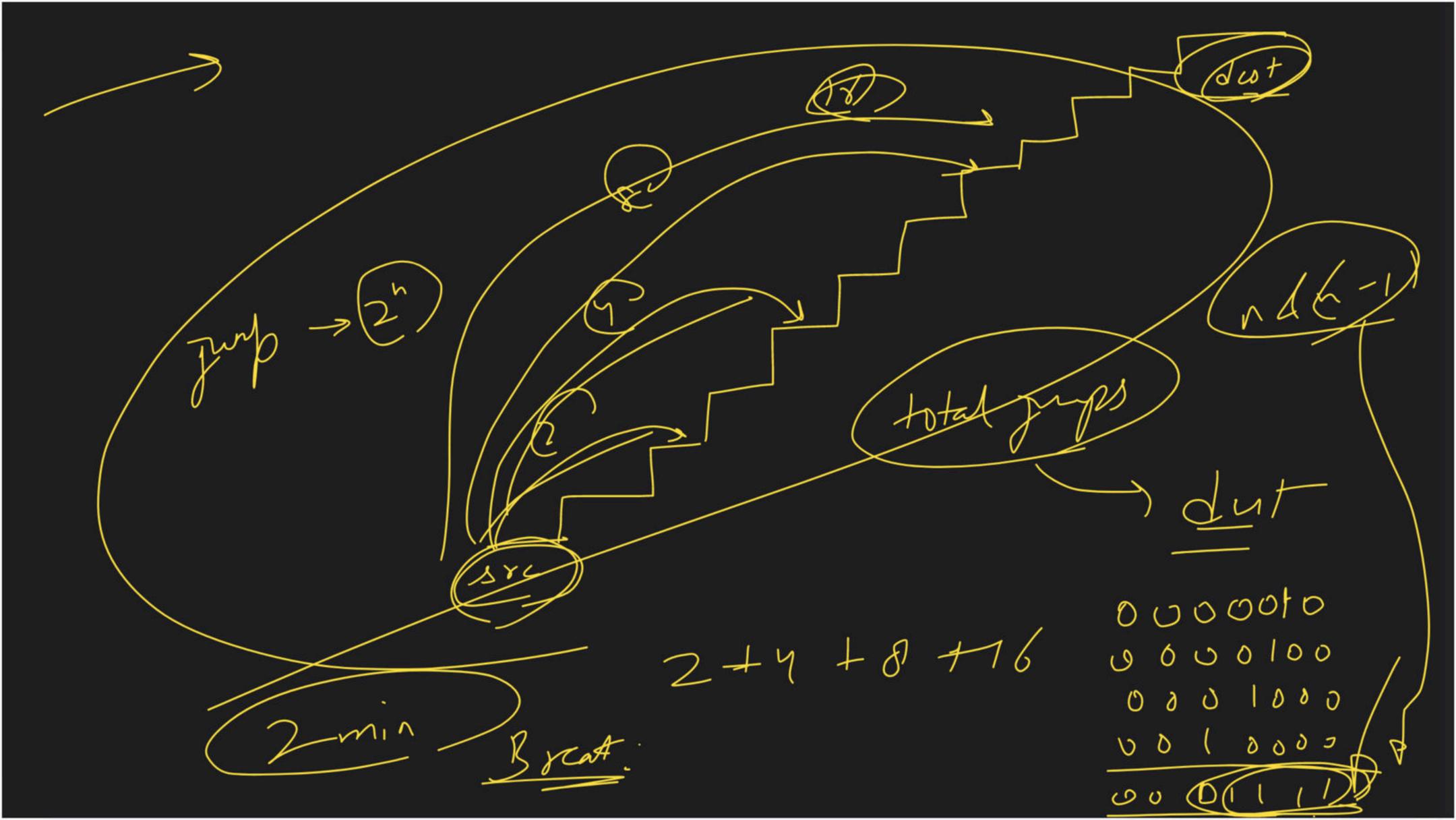


1024 -> 210

1023 -) 11111

10000000001

29+1)-313



 $\sim$ 

ubschua of String >0/ab C

0 \_\_\_\_\_ 1 (number