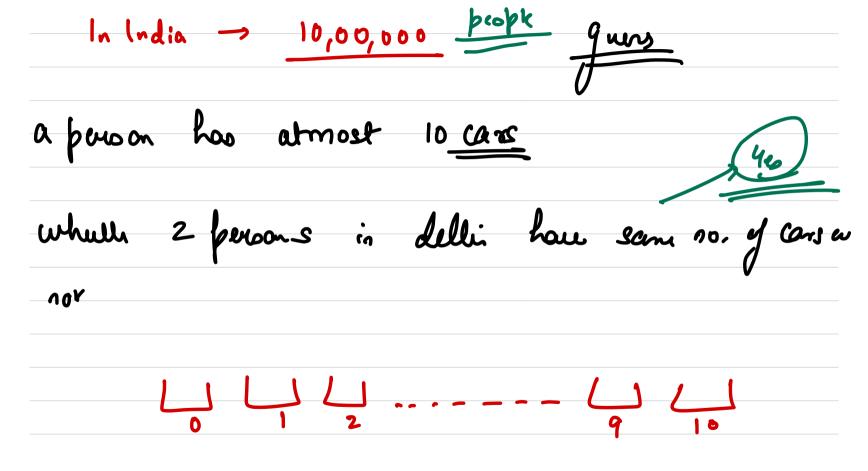
Pigeonhole Principle

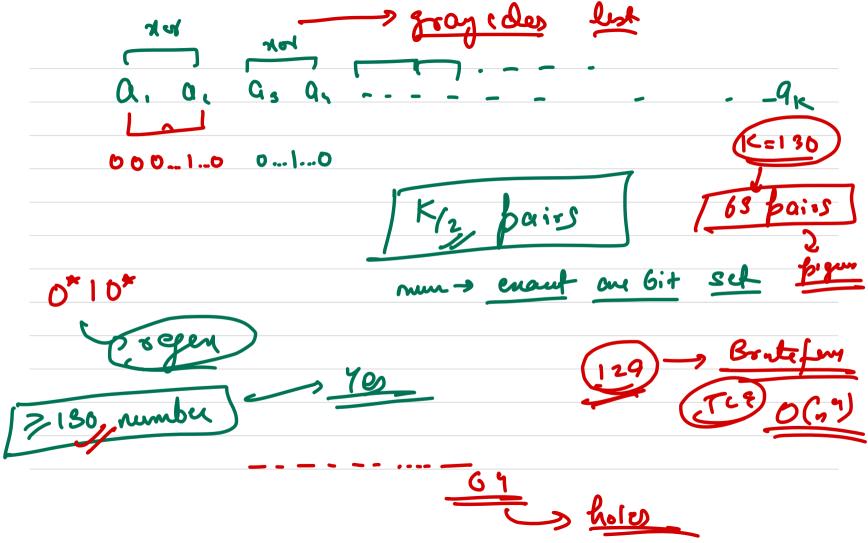
The principle States that, if jou've Photos and P+1 pigeons, then there will be attest one hole that contains more than one bigeon.

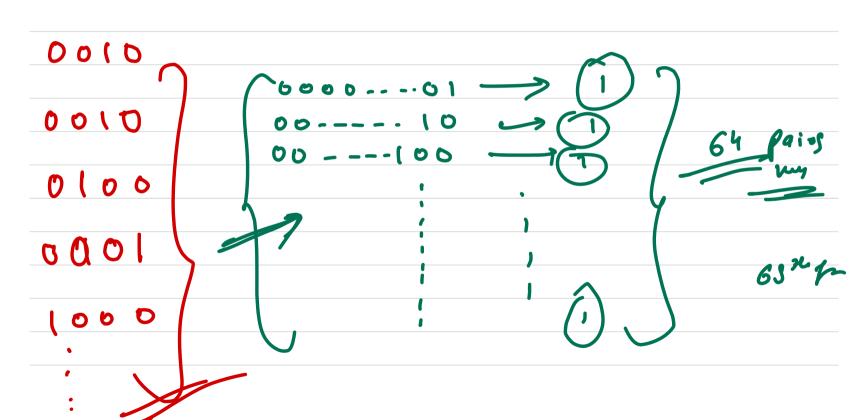
O O O O Pa

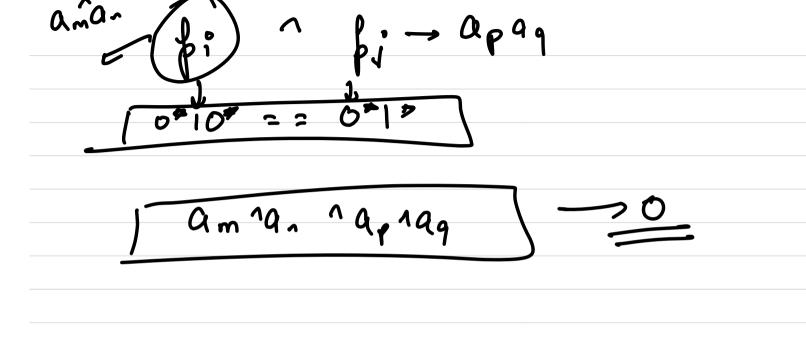


Gray Smelan Code - Code chef gray cool ai-a:-1 -> defler 67 16it a, q, q, q, =0 \ find

001,000,010,011,111 -> rumber consent of 64 bits

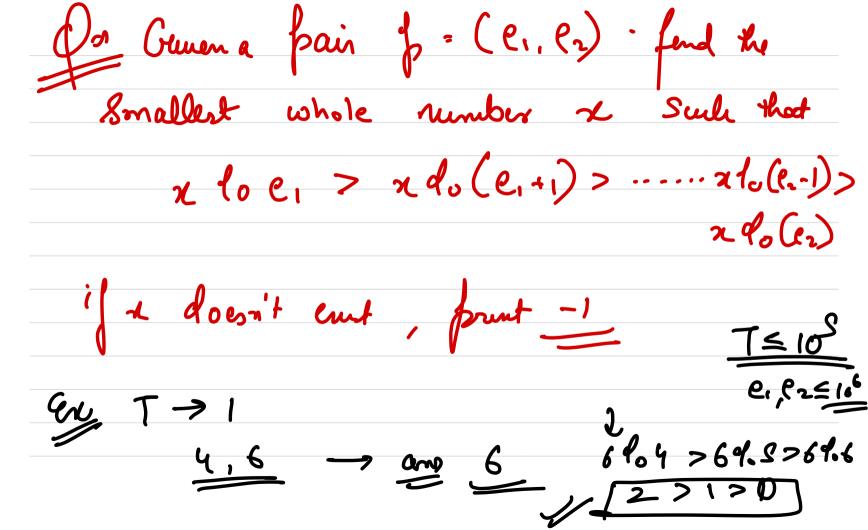






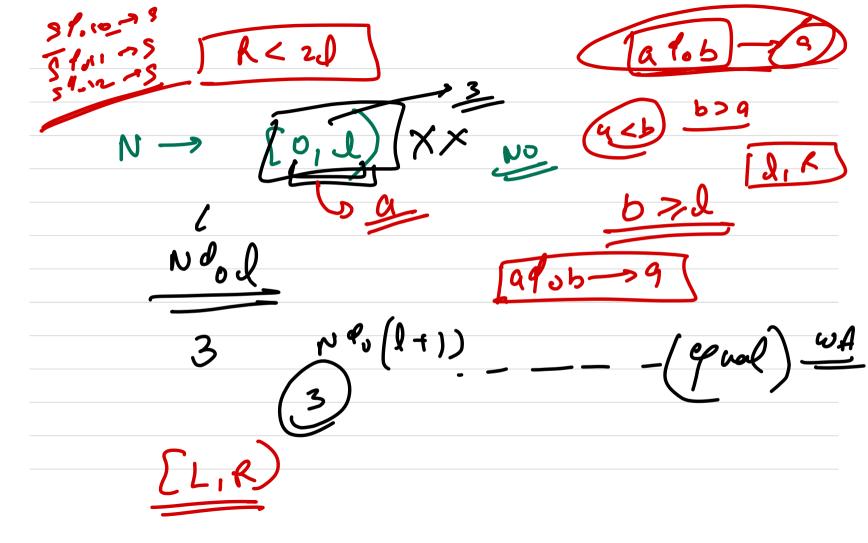
00----01 00----10 00----100 Q: -> 1 bit is set 9m 9n 1 0p 199 = 0

a'b'e'd = 0 1100 f08



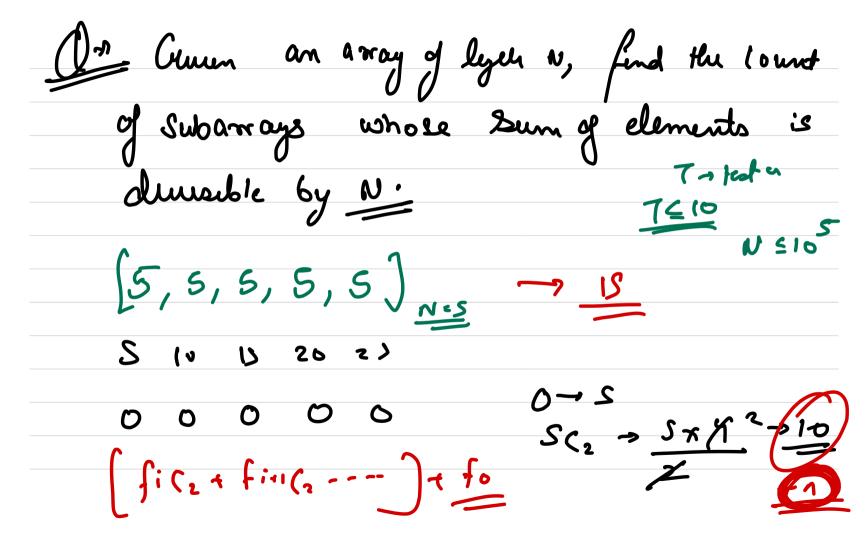
N dol > Ndo (1+1) > Ndo (1+1) NGOLE [0, L-1]

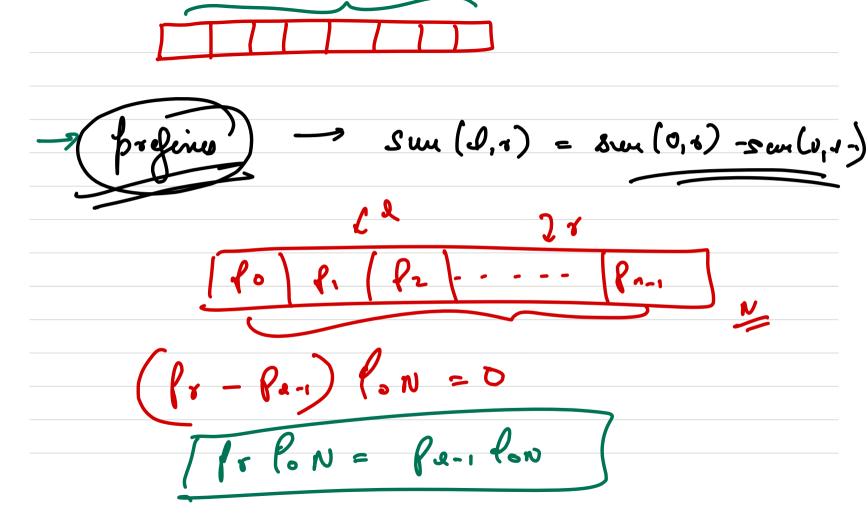
case we can have L distinct In worst - Total value

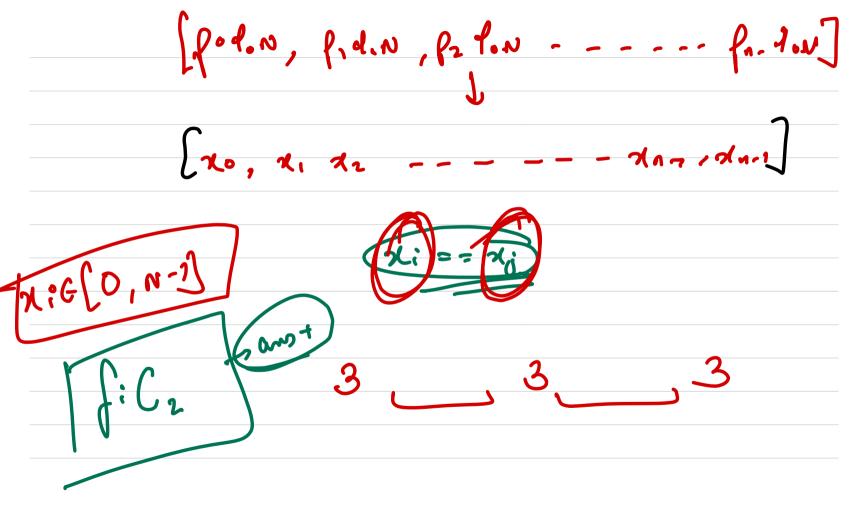


$$\Gamma(1,R)$$

$$\Gamma$$







· Subarray C lourset S: 1. N

