

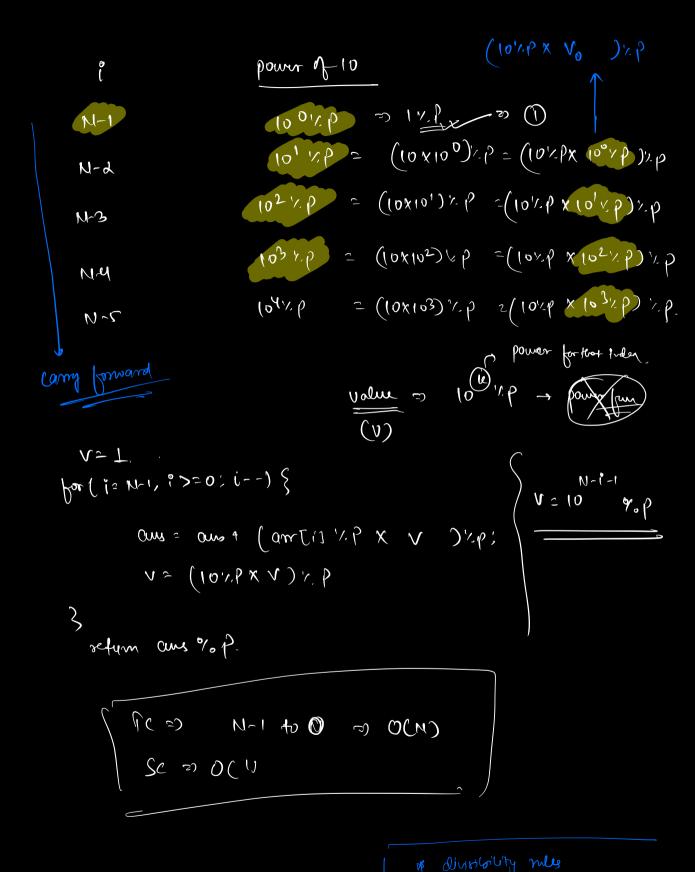
F(=)
$$O(N^2)$$

b

Mag M $N = 106$

if terration = $(105)^2 = 1010$
 XX

power(10, N-1-1, p) =>
$$\frac{10^{N-1}}{4}$$
, p
1 $\frac{10^{N-1}}{4}$, p => $\frac{10^{N-2}}{4}$, p = $\frac{10^{N-2}}{4}$, p => $\frac{10^{N-2}}{4}$, p =>



of power formand

& Alternature Subcrosage!

beven a binary array of length 11, and a no. Be setum all the mid indexes of alternature subarrays of length 21511

$$\begin{bmatrix} 0 & 1 & 0 & 1 \\ 0 & 1 & 0 & 1 \end{bmatrix} \Rightarrow X$$

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lengrus dBP1=3.

$$CA = \begin{bmatrix} 0 & 0 & 0 & 1 & 1 & 0 & 1 \end{bmatrix}$$

$$B = 0.$$

$$Ca = 2B + 1 = \frac{1}{2}.$$

$$O(P = 0 + 2 + 3 + 4 + 5 + 6)$$

Const 1; len = 2B41 for (i=0; & (N-lunt1); i++) } prov =-1 feag = 1 for (j=i; j x (i+lun); j4+) } if (amt(j==prov))

flag=0; breake.

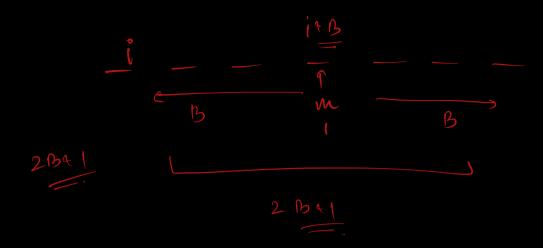
3 if (flg = =1) 5 ours proh (i+1)

pren = amp

Sub -> K
how many subarrays

n-1c41

T(2) D(N+(2B+1)) S C 50 O(N)



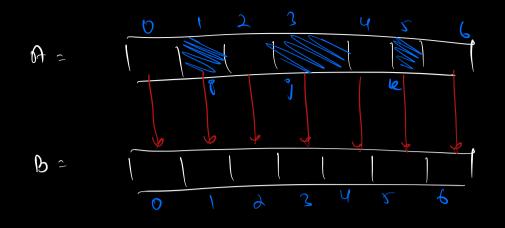
100

Chotshmas bee que on on A, consisting heights of christmas bees, and on B consisting of their costs repectively, buy 3 tous such that, (i,j, h)

(i < j < h)

(ATI) < PTJ) < PTC)

Cost should be wintered.



Finder[7]
$$\Rightarrow$$
 \$0,12\$ \$0,13\$ \$0,23\$ \$123\$ volues (16) \Rightarrow 1,2,4 1,2,6 1,4,6 2,4,6 lost \Rightarrow 14941 (4942 (4142 97192 = 12

an 20,2,3

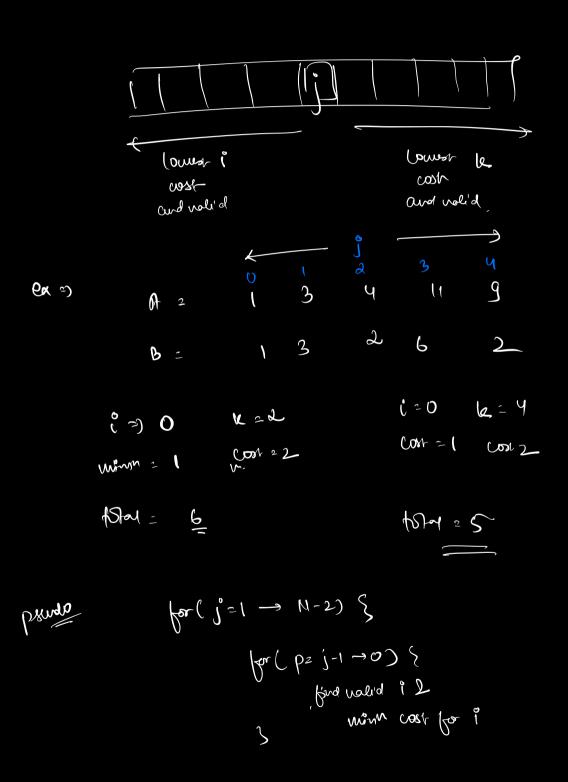
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Acis CATES

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 $B = \text{false } i = 0, 2 \rightarrow \boxed{i}$

Chasse Out of wolid indexes, which has



(SC 2) O(N2)

for (pzja1-2 N-1) 5 bind walid le 2 vinn cost of le

Win (an, Wel)