On 400 ve an array of destinct integers. A set of nos is called special if we can rearrange the elements Such that any element a; dendes air when airso find no g distrinct special sets. (Aset should have all values unique. Si and Sz well be diff

 Brute ford -> generte all possible

Subsets (21) -> TLE

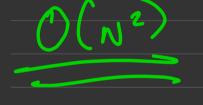
Hunt -> 415

{2,3,6,123 {2,12} \$2,63 -> \$2,6,123 83,123, 23,63 (3,6,123) -> {6,123

45

## 12,3,6,123

0 1 2 5 4 5 6 7 4 9 11 11 12 13 17 13 16



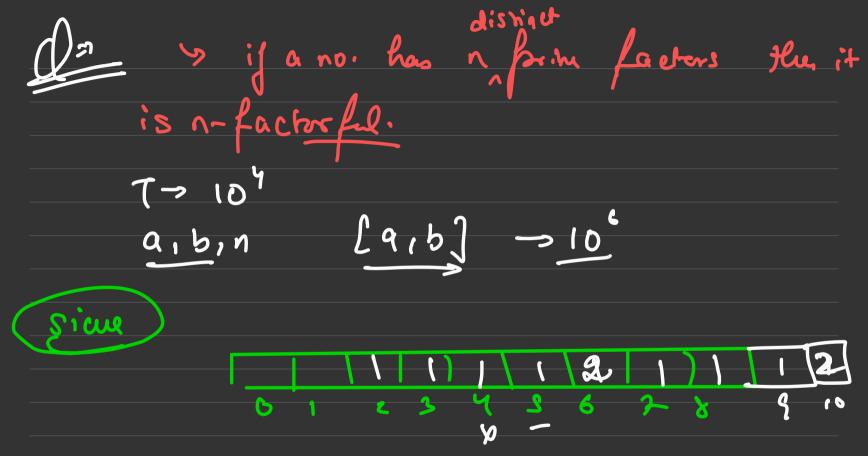
TUE

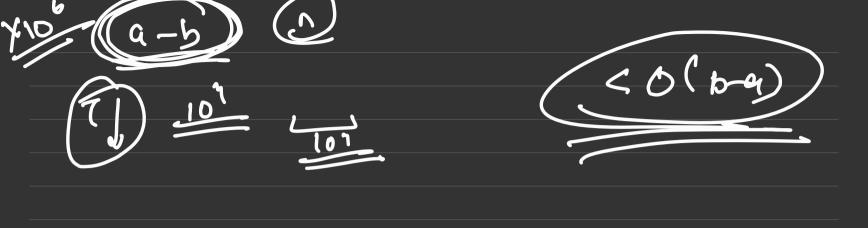
Sieur

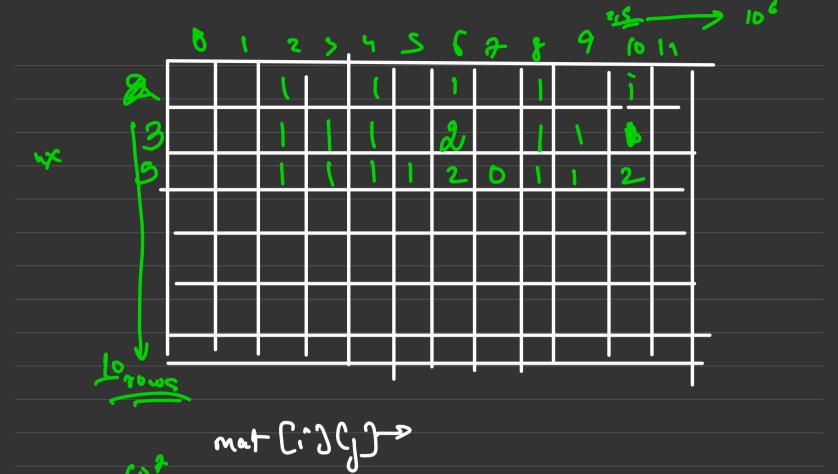
## {2,3,6,123

0 1 25 45 6 + 4 9 11 11 12 13 17 13 18

O(Nlogn)



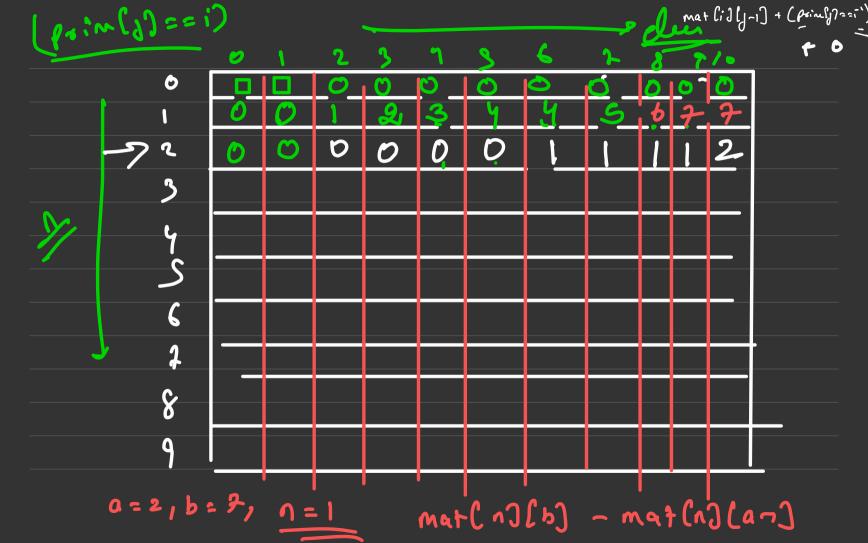






;-> nfactorfeelen j-> elent isfrine[j] -> no - 9 dester factors
which are prime also ferj.

mat [i][j] = mat [i][j-1] + (pointj?==i')

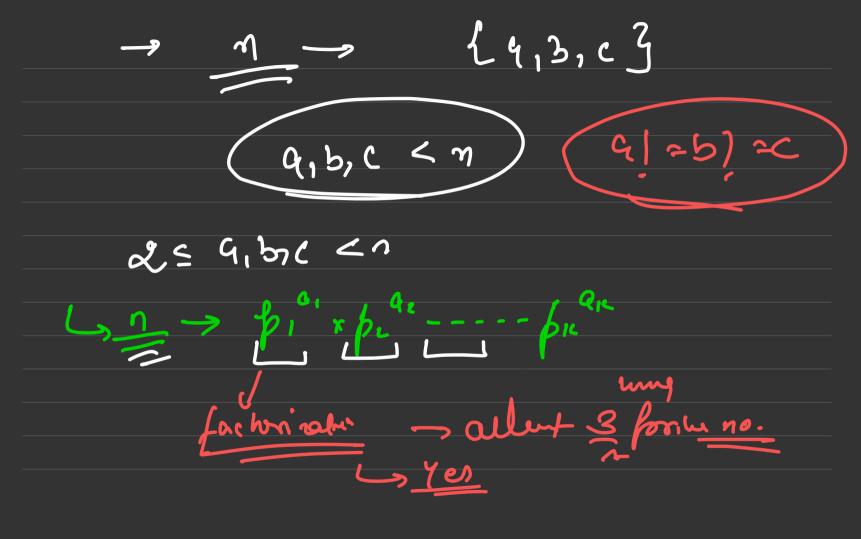


Chuenano. n, find a set of three ungue no. such that 2 A; and \$\frac{7}{1=0} = n

1=64 \rightarrow 2, 7; 8 Then well be t (+=10°) testeans. foreach can tell it heten it is fossible bornate 9 set of not. If you then

point me selve 2

32 -> No arr No formely ay)



42 -> 2×3×7 if you've only (district prin 10.

32->25-> 2 x 2 x 2 x 2 x 2 ther power should be allest 6.

if you ve 2 deslue frim factur 6 7 7 p p 2 5 9-1 12-2×3 5-21 12-2×3 12-32 12×3 1 -> 1 -> 1 -pixpz == 21=p1 && x1=p2 = 4es 24-> 23 × 3 -> 24 -> 4 // 273

2) # of " ==1 > powers "==17 pour shul be allert 6 for (3) # 01 2!= p. && x /= pz -> 4es else vo

L'une 2 integers nand m. find maximu & Such that 5!/2x =0

n1 % k7 ==0

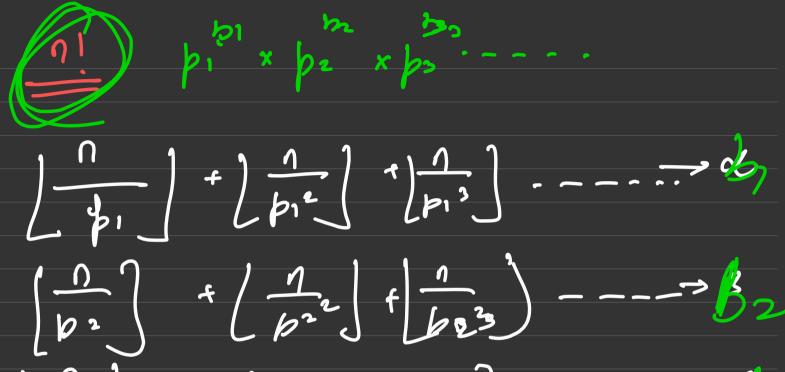
for Som frem of 2 int, n! 340 albe dennes'es

2:n!

2 20 Par max 2

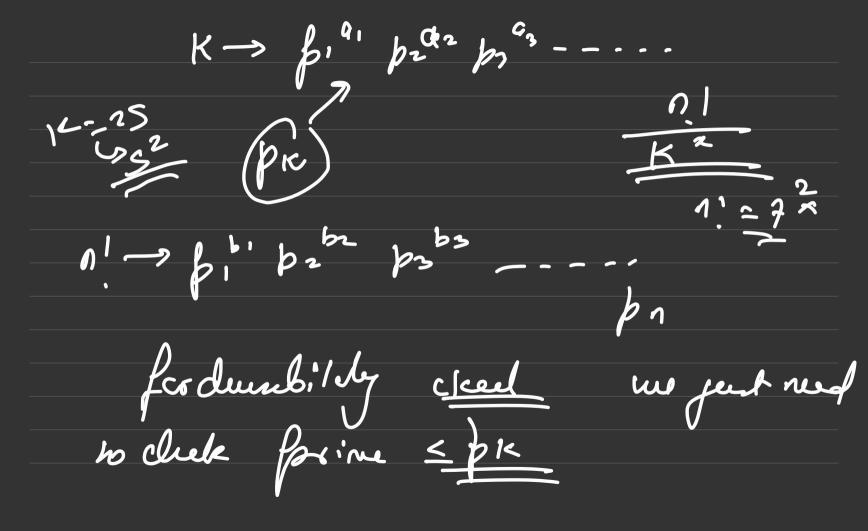
2 mill be dunble by set if bourg if, all the pour y prin factures of 2 are greater or equal to thet

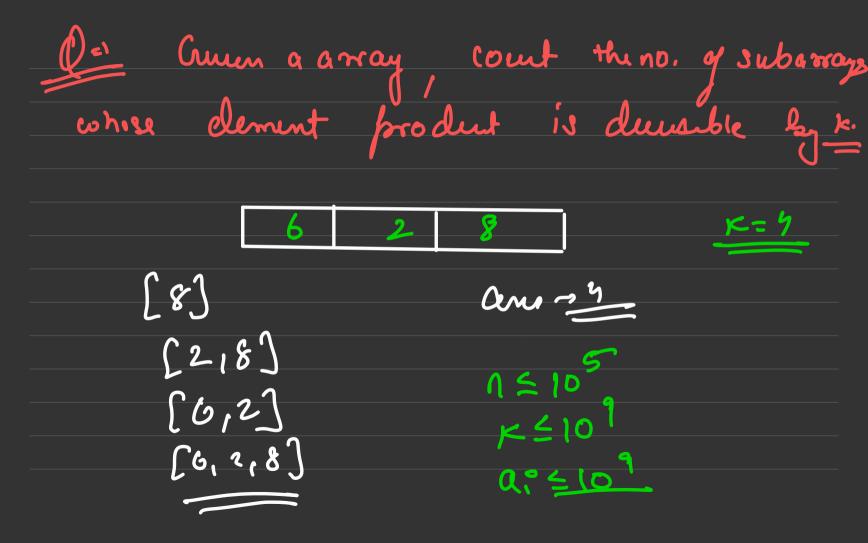
K= p1 b2 p3 a3 -K = plain praent 932 1122= pibi pzbz p3b3. aix Ebi x = 61/9, a & balgo Q2 x = b, 95 x < b3 2 4 63/93

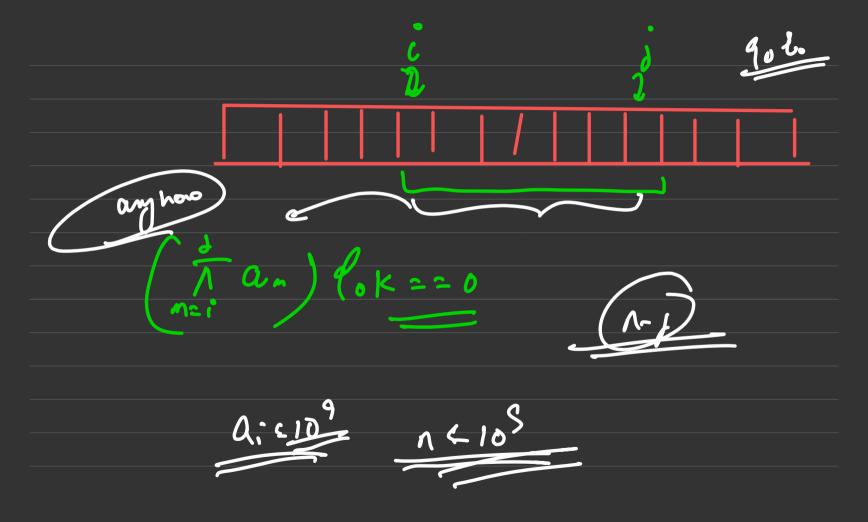


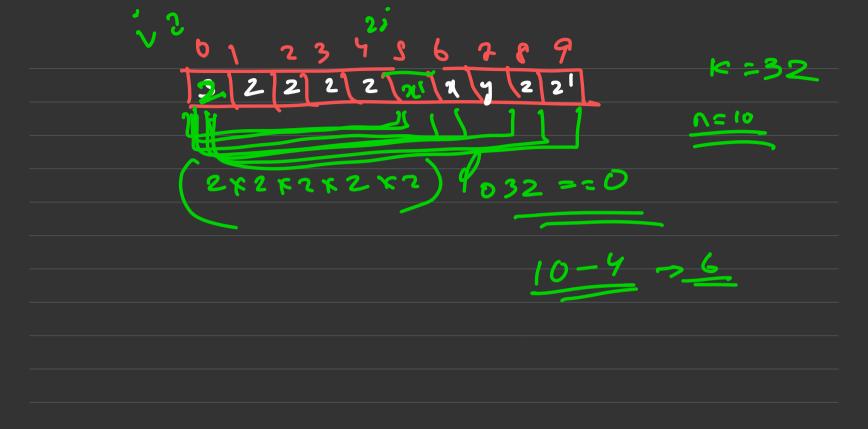
 $\begin{bmatrix} b^2 \end{bmatrix} + \begin{bmatrix} b^$ 

1001

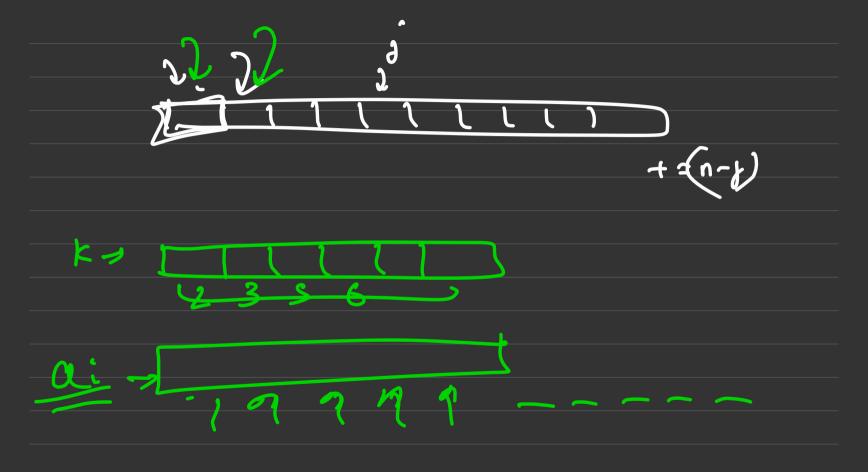








**ド**コ  $\begin{bmatrix} 2 & 3^2 & 5 \end{bmatrix}$ 



2' 2j D(N 10, 2) -> 2 pointer -> for any left Startly point Cale the first sight for which Subarray is dente le. Add (n-vight); nome ons, the increment l'est while the point you first anome left for while light of gain.

