

Annagon & Goldman Sew

Q. Gener an array. Check if there exists a Noble unlegs.

Noble int: if the no. of wind greater them a no. is equal to its val.

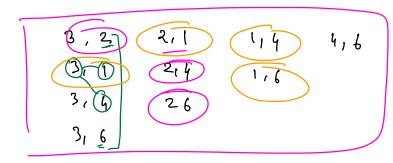
 $\frac{3}{4}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{7}{4}$, $\frac{3}{4}$, $\frac{3}{4}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{7}{4}$, $\frac{3}{4}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{3}{4}$, $\frac{3}{4}$, $\frac{1}{4}$, $\frac{3}{4}$,

9(i) == i

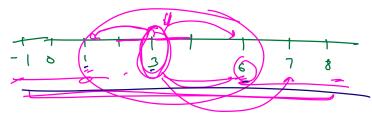
Cerrien an array. Find no. of pairs having the minimum deffer.

3, 2, 1, 4, 6

 $\frac{3}{2}$, $\frac{2}{1}$, $\frac{4}{6}$ $\frac{2}{11}$, $\frac{3}{2}$, $\frac{4}{3}$ \Rightarrow $\boxed{1}$



n
 $C_{2} = O(n^{2})$



1,2,3,4,6 mindely = * 0 Amays. Sort (A); 1000,2000,3000 ind min Deff = + 00 int cent = 0; for (i=1; i<n; i++){ -2-(-5) of (ali) - ali-1) < min Deff) { min Deff - arij-qli-1), Cut = 1; ١ che if (a(i) - a(i-1) == min leff) Cut ++;

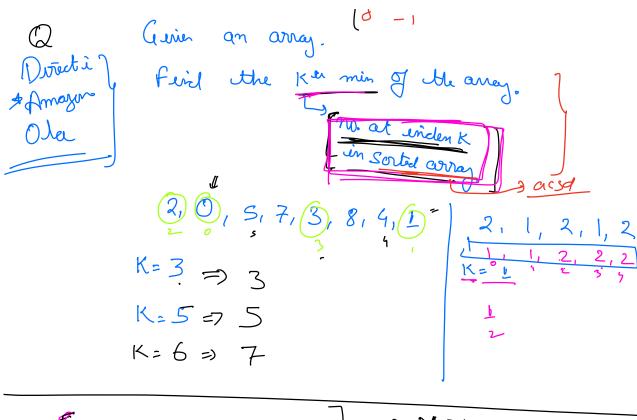
Amazun Ms Adobe Cover an array of 0, 1 4 2.

Sort this arrayain ascal order.

[0,1,1,2,0,2,1,0]

=> hibray fn]=> O(n dyn)

0,0,0,1,1,2,2 int cont zero = 0; int cont diw = 0; int cont diw = 0; for(i=0; i<n; i++)(y (a(i) = = 0) Cert zew ++; $\mathbb{O}(\omega)$ ehrif (9(1) == 1) Cot 0~ +1; eh if (q(i) == 2) Cent tust. fu(i=0; i(n; 11)) 1,1,1,1,1



■ Ménimye Sucapo

• K << m

App² Sort only till enden K.
Horo?

K= Od => Smallert / Min Elent.

1 3 5 11 7 8 21 32 6 10

