20 June 2023 18:00

Ly you are given 2 arrays, A & B

A 3- sorted in ron decreasing order Count the number of pairs (i, p)

for which ai = by

B

A an-both  $| \leq n, m \leq | 0^{5}$  $| \leq a_{1}, b_{1} \leq | 0^{9}$ Ans= cutile] x cutale] (m)(3)=2 cntl[3] x cnt2[3] cut 1 [3] = 3 cut2(3)=2

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Kadans Algo You are given an array of size n Lyou have to find the maximum Sum I subarray 15 n ≤ 16 -10 ≤ A(1) ≤ 109

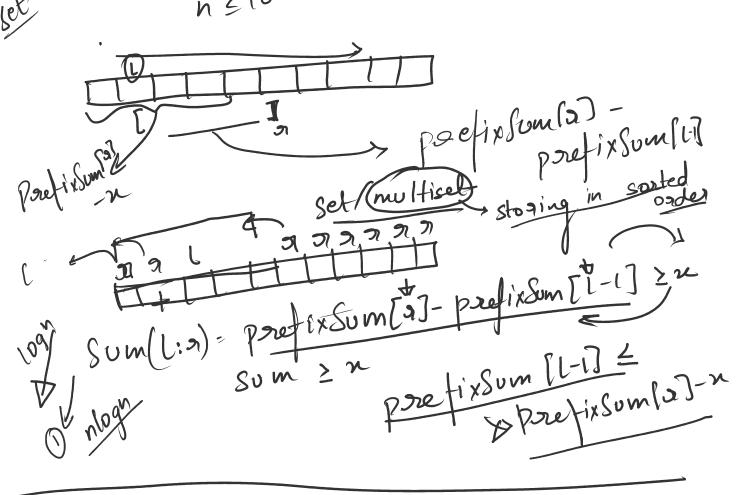
for ( lut 1=0; 1<n; 1+t) sum t = q si] tan Suparay of (SUM 20) anszmax (ans, sum)

50m=3

sum=0, aus=0 1=9 7=0, ansl, ansa fon (int i=0; izn;i+t) 3f (sum ∠ 0) → l= i+1, som=0; Diflans < sum) sum= 1 n=1

an s = 1 ans(=0, on \$ 2 =0 Given an array of n numbers
you have to find how many
subarrays exist with sum \( \text{x} \) 15n6106 15n61018 ( 4 A ( i) x 109 Sum>2 7 7 7 7 ans = (n-3) p indexed sum == a[L-1] while (Sum Zn) - 3 cm Sum += a[a] if (sum > n)
ans t= (n-a); 3 Q Count Subarrays with Sum >n if -10 < Arij < 109 n 5105

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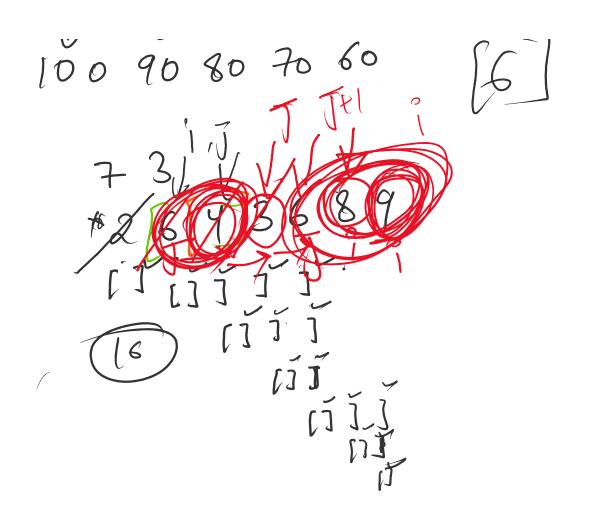
vare given an array, you have to I find me subarray which have the maxelem-minelem N < 10 8 N < 10 8 1 5 A (17) < 10 for (int i=0; [< N; i++) .- ( P-Tt)

ans t= (1°-Jti) \* multiset 98 mulfiset kint > mst for (int 1=0,J=0; sen; set)

mst. insert (a si) while (mstmax - mstmin >K) 2 remove affirmst 3 ans t= ?- [t]

100 90 80 70 60

167



ans = 0 ans = 1 ans = 2 + 3 min = 2 max = 6 6-4 B 3

