Homework Doubts

- 1. Prch B elements ~
- 2. Min swaps to bring an elements less than B

 3. Choclate distribution : After Sorting

 4. To doubts:

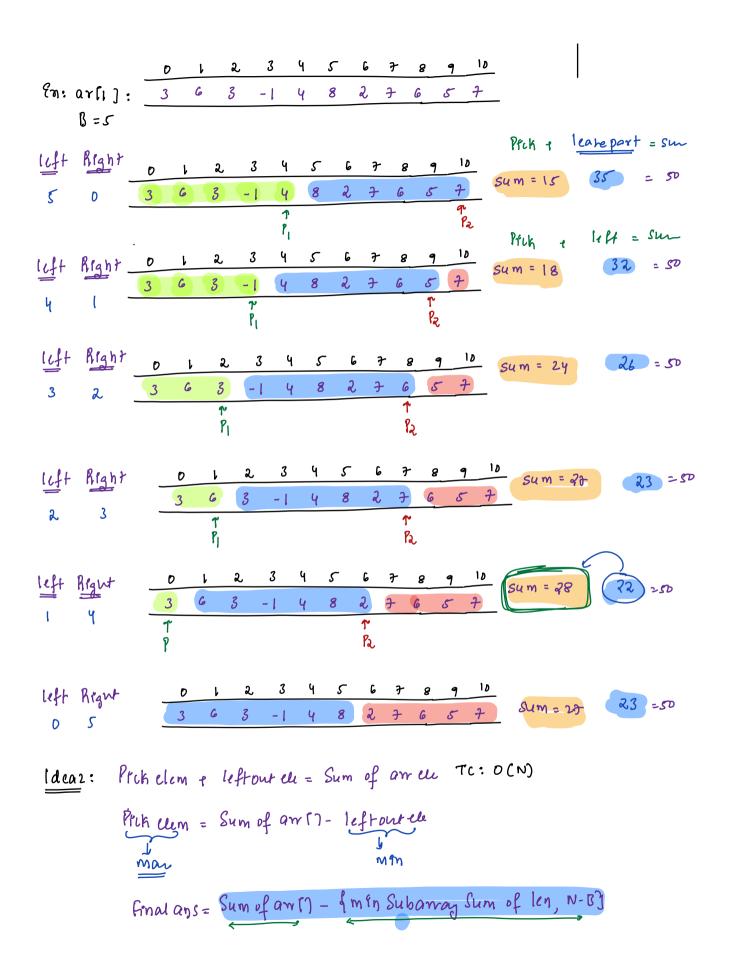
Pick B clements

Given aring elements & B, return man sum, which can be obtained by prchay B elements from corners.

Constraints

```
love Pick Elements (for ar (7, int v, for 10) &
```

```
long sum = 0;
 long ans = Integer. MINVALUE
 11 Can-I: Prik om B element from leftstell: [ao a, .. a]
    1=0; 1 x B; 1+1) { _______ TC: O(B)
       Sum = Sumear[i]
                                      Total Iterations
                                       TC: O(B) -- D(N)
    if ( Sum 7 ans) {
     ans = sum
                                       Sc: Dli)
11 Remains Cars:
    int p1 = B-1, p2 = N-1;
    while ( P17 = 0) { ______, TC: O(B)
        Sum = Sum - ar[P1] + ar[P2]
        P1= P1-1, P2 = P2-1;
       if (sum rans) {
| ans = sum
     return ans;
```

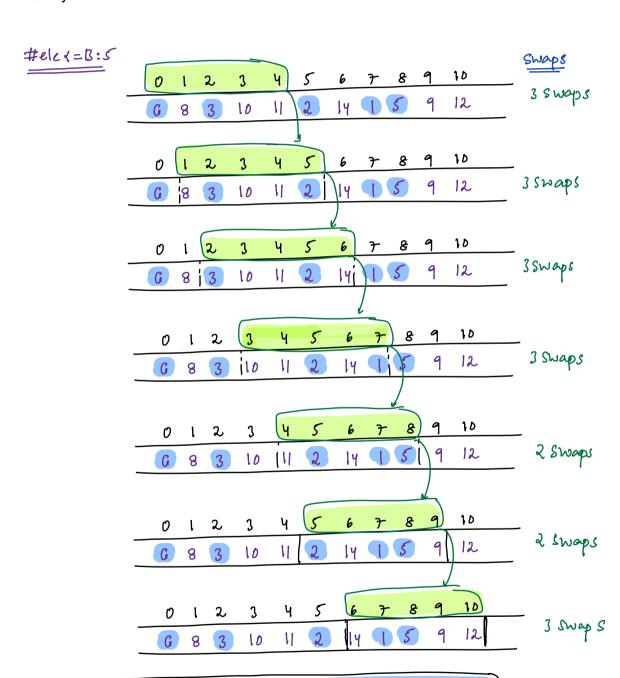


29) Min Swaps to bring all elements 4= B together.

Continous:

ar(11): 6 8 3 10 11 2 14 1 5 9 12

B=+



Idea: Calulate so: of the less than i= 8 in every windows

Choolate distribution: Suprit. - of This is different from assignmenty

Given N Student marks, assign choclate to all N Students in Such a way that, Calculate min of choclates to assign to all N Students.

Note: Pach Student get afleast 1 Choclate

Note2: of arti] 7 arti-1]

Choclates assigned to i Student should be more i-instident

Notes: if ar[i] > ar[i1]

Choclates assigned to instrudent should be more it instrudent

En:: ax[]: 15216 cho: 1111 Total Chocalate

cho: 15216: 15

(cho: 13212)

Enz: arr7: 3 100 60

choc: | | | * *

Chou: 1 3 2: Gchoclate

choce 121: 4 choclate

Ens: arr: 3 (00 60 80

choc: 1212: cchoclatu

Ens: arl): 3 (00 60 50

Choc: 1 3 2 1:7 Choclates.

ldea:

Ony1: of arti] 7 arti-1]

Choclates assigned to i Student should be more i-instident

onlya: if ar[i] > ar[i1]

Choclates assigned to instrudent should be more it instrudent

arl): 3 6 2 8 10

left: [2 1 2 3

Right: 12111

Boh: 12123

 $ar(): \frac{0 \ 1 \ 2 \ 3 \ 4}{3 \ 6 \ 9 \ 11 \ 7}$

left: 12341

Regue: 11121

Botn: 123 4 1

ar(): 2 6 3 1 10 1 2 20 5 2

right: [2 1 2 3 1 1 1 3 2 1

Boh: 1321212321

Idea: Given an arri):

= Calwan left[]

+ Calulate Arguts)

q Take man ().