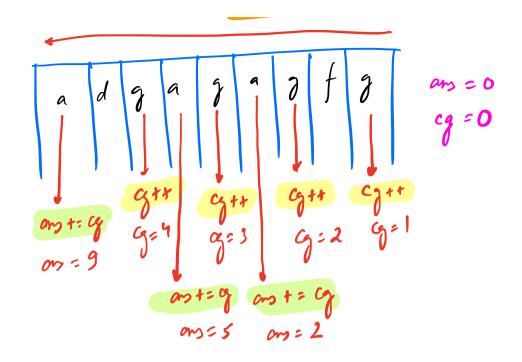
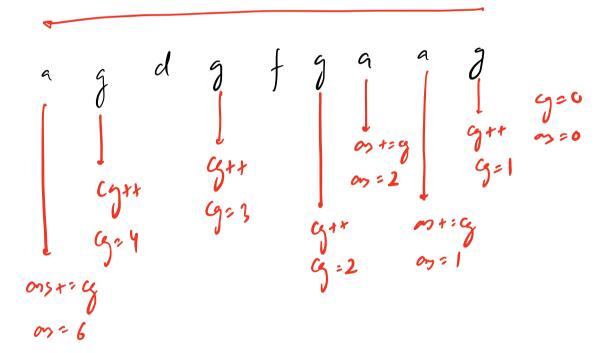
(Corry Forward Given a string, calculate the no. of pairs (i,j)

: i < j * * S[i] == 'a' & * S[j] == 'g'

: i < j * * S[i] == 'a' & * S[j] == 'g' $S = \begin{cases} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 \\ 0 & 1 & 2 & 3 & 4 & 6 & 7 \\ 0 & 1 & 2 & 3 & 4 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 & 7 \\ 0 & 1 & 2 & 3 & 6 \\ 0 & 1 & 2 & 3$ I) BF cut = 0; $f(i=0) \times N_{j} + 1$ $f(j=i+1) \times N_{j} + 1$ $f(j=i+1) \times N_{j} + 1$ $f(s[i]=='a' \times X \times S[j]=='g')$ TC: 0(N2) >
rdat;





$$\frac{S:}{A:} \stackrel{a}{\downarrow} \stackrel{d}{\downarrow} \stackrel{a}{\downarrow} \stackrel{$$

of Given an array A. Find the no-of leaders in the orray! An element is a leader if it is greater than all the elements on it's right sick! NOTE: A[N-1] DAL WAY. N-1 f(i=0; (< N) i++) { TC=0(N2) f(j=i+1; j<N;j++)[if (A[j] > mc) {
 m(= A[j]; if (ACi) > mc){ Cwl ++;

1

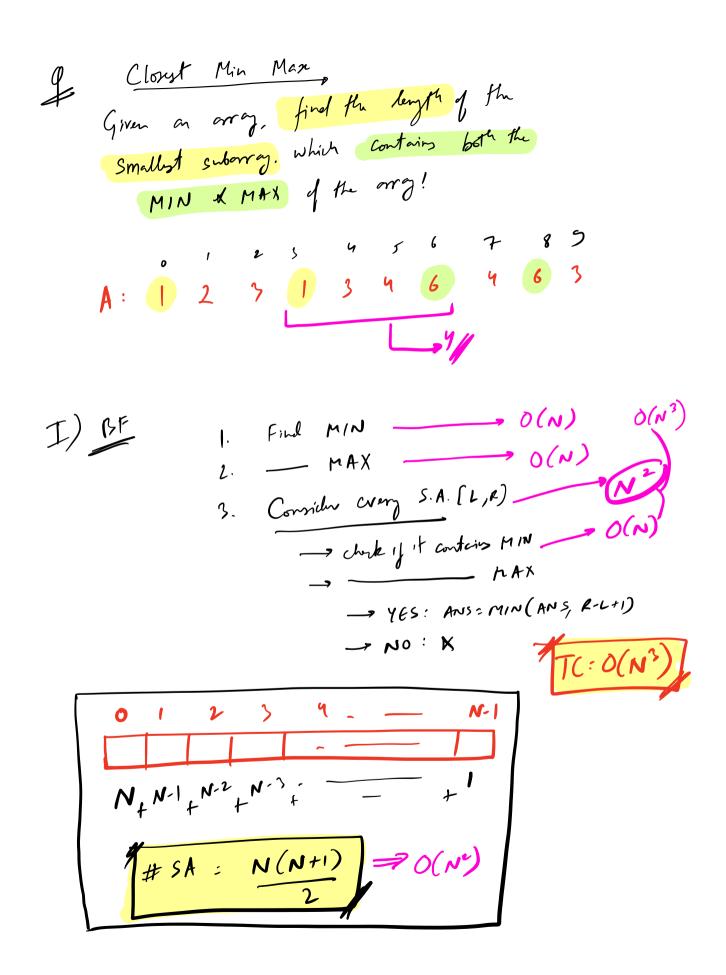
A:
$$15$$
 -1 7 2 5 4 2 3 $m(=-\infty)$

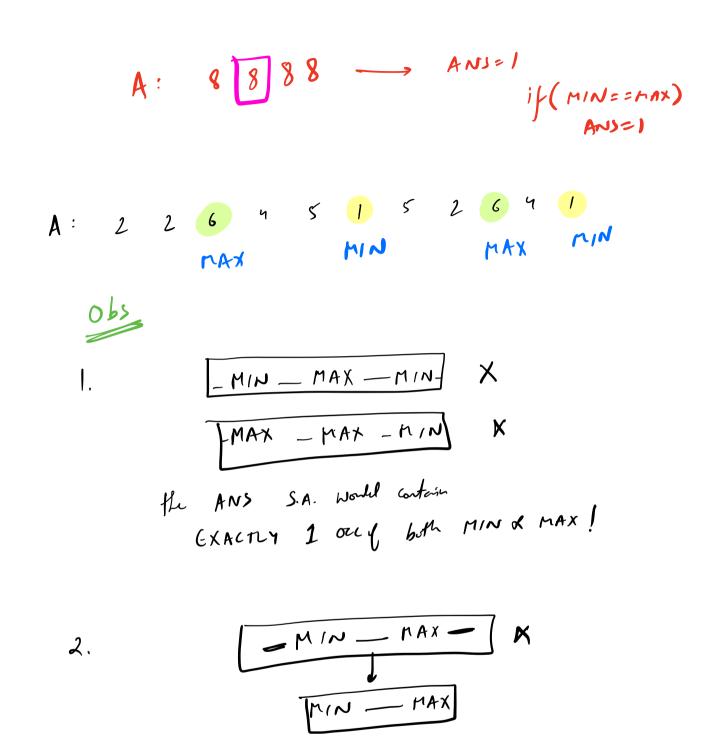
where 15 -1 7 2 5 4 $m(=-\infty)$

where 15 $m(=+)$ $m(=+)$ $m(=+)$ $m(=+)$

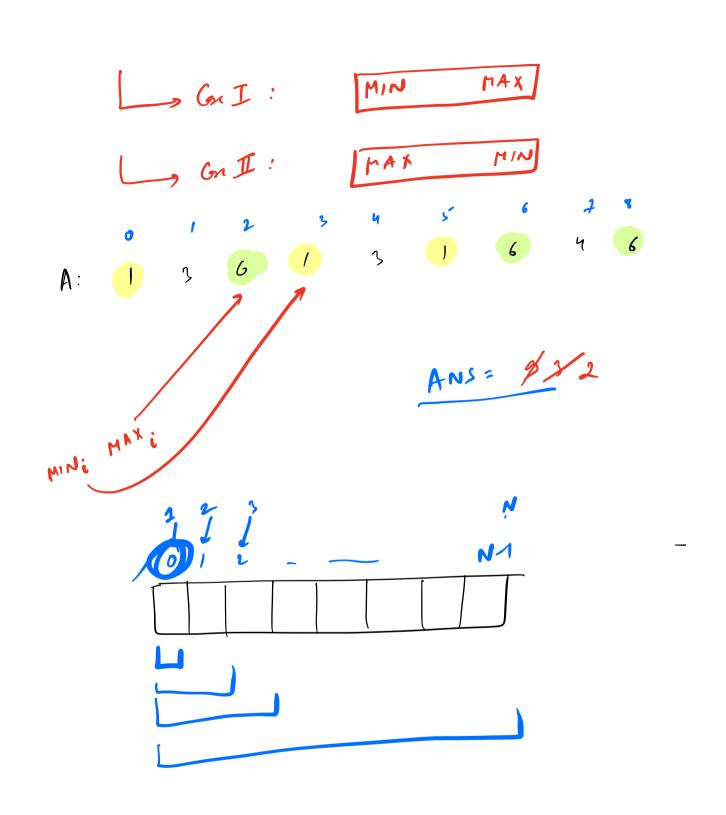
TC = O(N) SC = O(1)

st arti





flu ANS S.A. would contain !
MIN & MAX at boundaries!



```
Find MAX of (MIN == MAX) ret 1;
     find MIN -
2.
    min I = -1, man I = -1, ans = N
3.
      f (1=0; KN; i++) {
         if (A[i] = = M/N) {
    if (manI!=-1) {
             ons = min (ons, i- man I + 1);

min I = i;

min I = i;
                                                         MIN
          5 eln if ( A(i) == MAX) {
              if (min I ! = -1) {

on = min (ons, i-min I + 1);
               manI: i;
                                         TC: O(N)
                                        (SC = O(1)
```