$$ps[i] = ps[i-1] + A[i]$$

$$(0-i) \qquad (0-i-1)$$



$$deftmax[i] = max[o-i]$$

ufimax -3 6 6 6 6 6 8 8 8 8

Basie. for every index é, traveise from 0-ê l find nox clut

$$lm[0] = ar(0)$$

$$lm[1] = max(ar(0), ar(1))$$

$$lm[2] = max(a(0), a(1), a(2), a(2))$$

$$lm[2] = max(a(0), a(1), a(2), a(2))$$

$$lm[2] = max(en(2), ar(2))$$

$$lm[3] = max(en(2), ar(2))$$

$$lo-i)$$

$$leftmax[0] = ar(0)$$

$$leftmax[0] = ar(0)$$

$$r.c.(0(N))$$

> leftmax[0] = arr[0]

T.C:O(N)

S.C: O(N)

If you consider

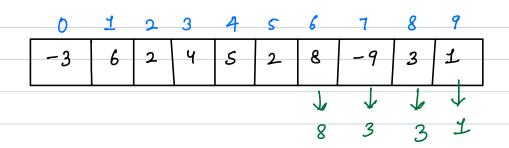
the output

away as add space

rm[N-1] = arr[N-1]
rm[N-2] = max( arr[N-1], arr[N-2])

 $\sigma m(N-3) = max(am(N-1), am(N-2),$   $\sigma m(N-3)$ 

rm[N-3] = max( rm[N-2], ram[N-3])



nght max lis = max (eightmax litis, orrlis)

orgatmex(n-1) = am(n-1)

yver a stung of lowercose english alphatet. Find the count of pairs (i) meles l < j ke avrlij = 'a'

au ij j = 'g' acgagagans=4 b c a g g a a g aves consider all pairs Bonz: for (i=0; c<n;i++)

d = (arr(i) = 'a') continue;

for (j=i+1;j<n;j++) T.C: 0(N2) g.c: 0(1) 2 or (j)=='g') J

