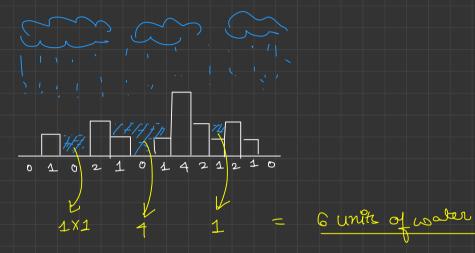
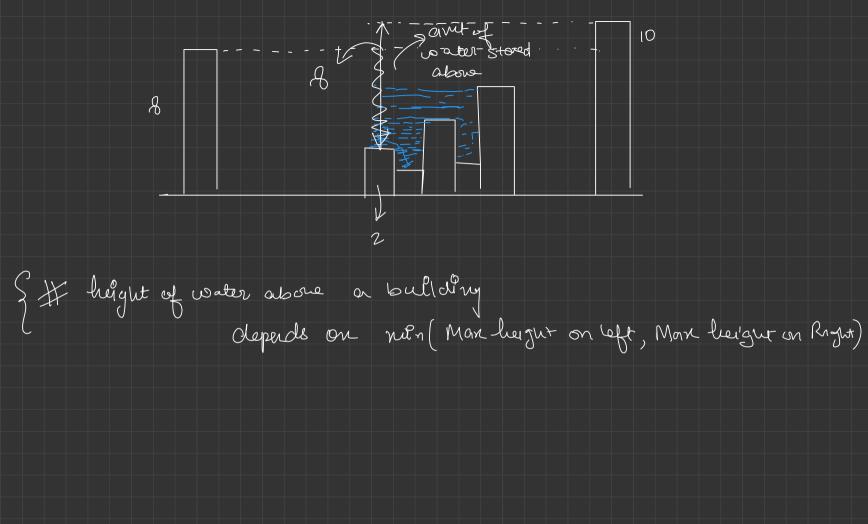
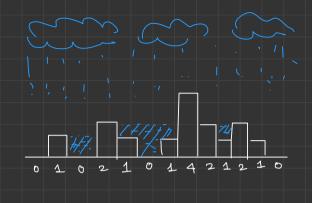


Trapplug hain Woter







STC: O(N2) SC: O(L)

Boute force

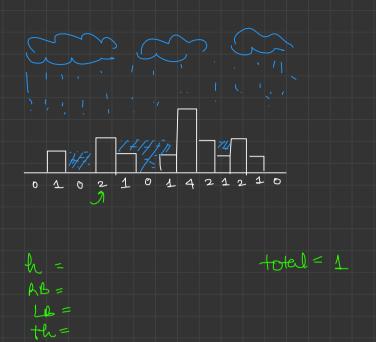
-> go bo each Building

- scan right array to find tallest Building (RB)

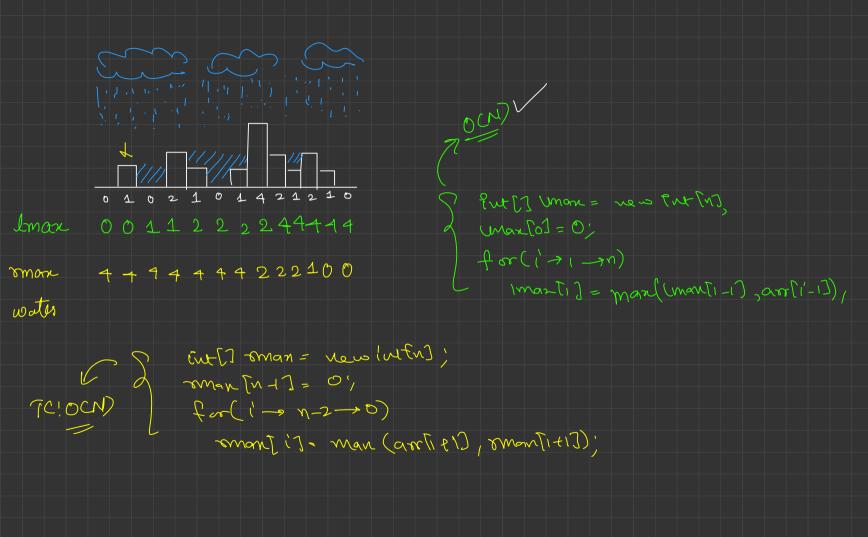
- scon left array to find tallest Bullding (LB)

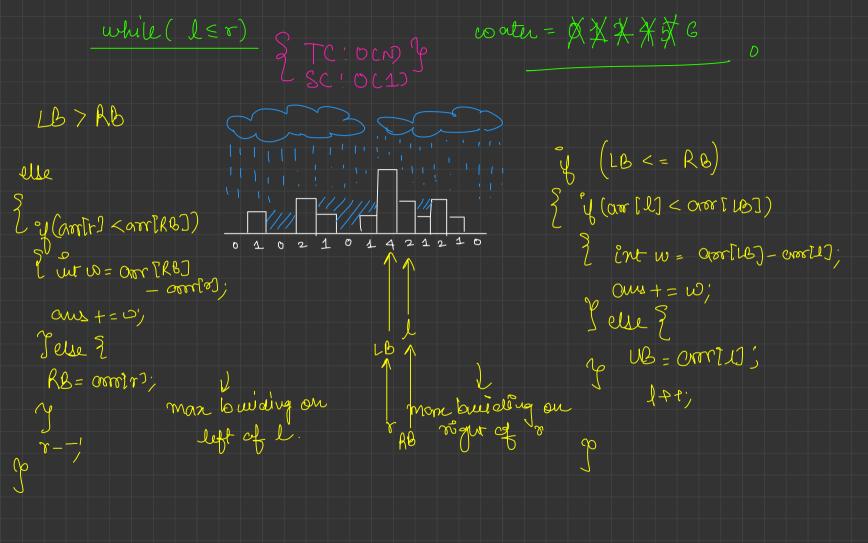
- calc. In of woter = min (LB, RB) - In of Building

- Cumulate total water

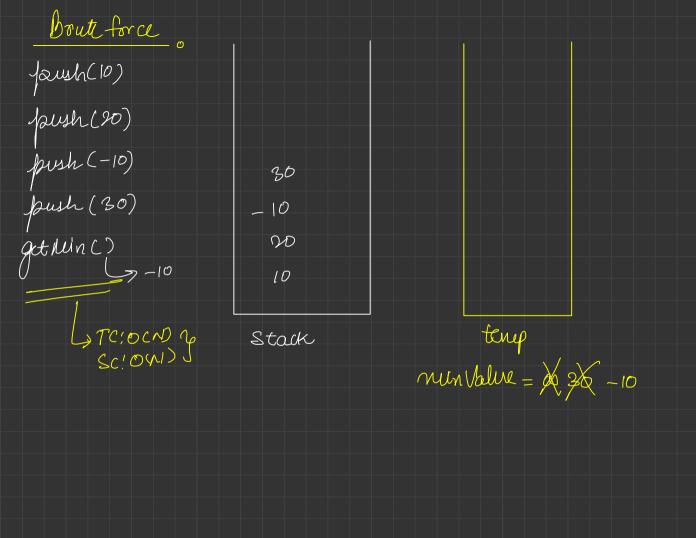


his =

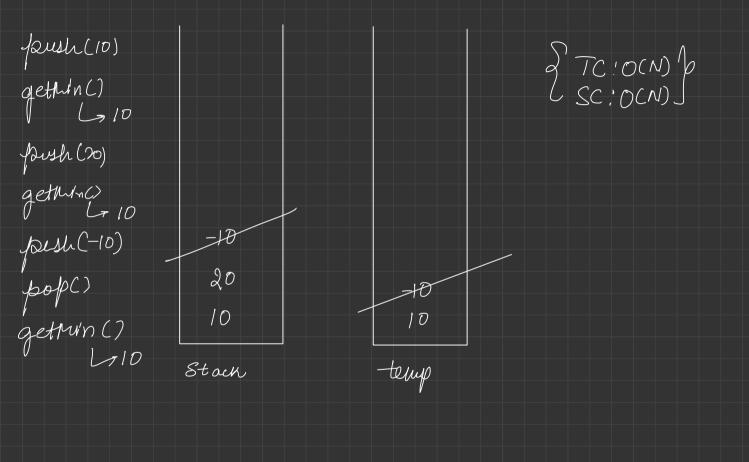




Min Stack > get you the nunimum Element forwert in the Stack



bush (10) getfu-1) műn Value = 0 10 -10 push (20) Joush (-10) gethun() 20 10 Stack



-push (10) nún Val = 0/10/-10 gethunc) puer (20) get/Wn() close Pohr push(-10) I int val; pop() int rundal; (20,10) get/Wn() (10,10) Stack

Sum af Suborray Minimums  $ans[] = \{3, 2, 4, 1, 5, 2\}$  $\begin{pmatrix} 3 & 2 & 2 & 2 & 4 & 4 & 4 & 4 \\ (3) & (3,2) & (3,2,4) & (3,2,4,1) & (3,2,4,1,5) \end{pmatrix}$ (2) (2,4) (2,4,1) (2,4,1,5) (2,4,1,5,2)(4) (4,1) (4,1,5) (4,1,5,2)(1,5) (1,5,2) Sum = 36 (5) (512) (2)

boute force S generate all subomays, and get nun in it of Ladd all minimums } TC!OCN2) SC!O(1)

 $oms[]= \{3, 2, 4, 1, 5, 2\}$ {2,0,3,4,1,5,2,0,7,-10} ouere