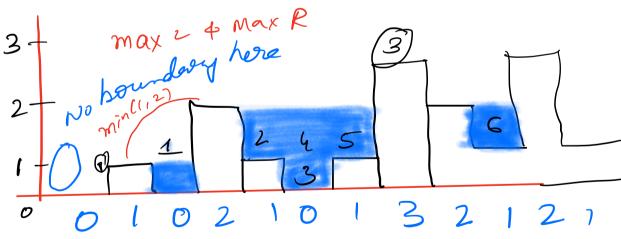
## Maxala = maxlmaxore

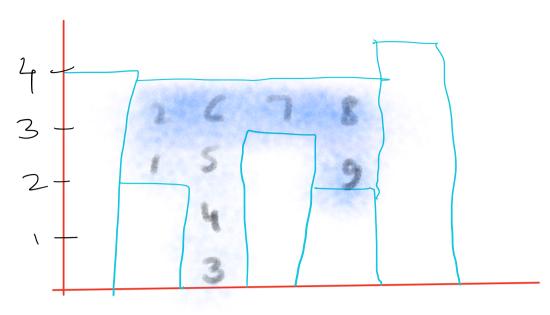
Jehn maxara.

42:-Trapping of sain water.

Geren en non-regetire entegerl, septenting on cleration map where the wealth of Each bas 96 1, compute how much water it Can toap after sain.

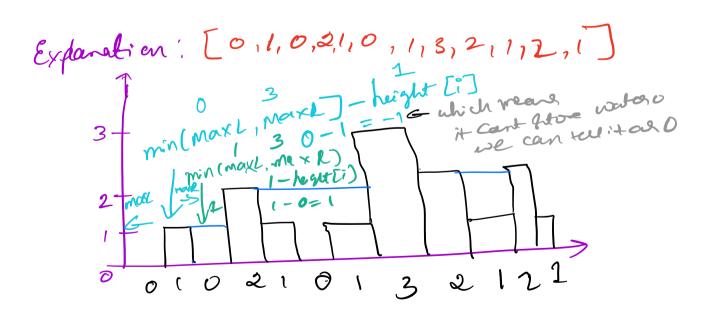


Input = hight = [0,1,0,2,10,13,2,1,2]



Impul: [4,2,0,3,2,5]

output = 9



(Hep 5)

2 10 2 2 0 3

(Maxe, mark)

SKUPS Los from above method we need to determine the maximum left value q a numebre for Each irdex without Considering that index gritial value will be of when i=0 while calculating for all value 7 1.

here the time Complexity will be O(n) and Espace Complexity is O(n) to we can optimize be code wing two pointer tidents en and we can trave & pare

complexity. here is Indution: 2, Rzo, len (s)-1 max[L] max[L] min (Leger [D. [Ley NP] [0,1,0,2,1,0,1 13,2,1,2,1 min (maxL, maxk) min (max[L], nax[L]) min(1,1) Since bor LOFP we can iterate L for of max L= 2 for rext step. & hegusise tmort=1

Continuet to Ed.

have trong: 1 1 0 1 2 1 ( 1 0 , 1 , 3 , 2 , 1 , 2 , 1 ) we want min q maxl, maxR. we Examply dost no what mark it why a true max right, but value why me don't reled that rature sembre ne want minimum g max left 4 max Right salu. we already know that he left is poety small that it O

De will thist less ratue to next position because less was Irmalles 11,0,1,3,2, max2=012300101210020 mux1=/2 1-2=-0-0=0 0-1=-1 2151 K-7 L-> L-> L-> 2 -1 2 1 2 0 REPER inpur [0,1,0,2,1,0,1,3,2,1,2,] (0,1)=11-0=>1 1-1

2 2-2-0 1,2,2

claus Solution (object):

dy toap(sey, reight): 7es = 0  $L_1 = 0$ , len(height) - 1Left Max, sight Max = height [c], hught [x] If not height! If the height selvem 0. in Enply. while 128:

9 (Legimax C=Right Max)

1+ = 1 lyt Max = max [ Left Max, Loight[1]) Dest = lytmax - height[d] 8-=1 right Max = Max (right Max, hight(r)) WH = DIYMMAX - height [8)

zeturn rer.