06 August 2023 12:56

Maximum subarray sum

$$q_{XX} = [2] - 5, [7, -6, 5, 9] - [0]$$
 $q_{XX} = [2] - 5, [7, -6, 5, 9] - [0]$
 $q_{XX} = [2] - 5, [7, -6, 5, 9] - [0]$
 $q_{XX} = [2] - 5, [7, -6, 5, 9]$
 $q_{XX} = [2] - 5, [7, -6, 5, 9]$
 $q_{XX} = [2] - 6, 5, 9$
 $q_{XX} = [2] - [2] - [2]$
 $q_{XX} = [2]$

$$max : -\infty$$
 $max : -\infty$
 $max : -\infty$
 $min = -\infty$
 $min = -\infty$

Max product of 3 numbers

06 August 2023 13:41

Struckly 3 numbers

5 0 a 201 = []

and = 5×3×4 = 60

an: [-204

and = 24 (-2x4x-3)

apor = [-1 -2 0

ans = 0 (__)

avr = [- 3 19 2

and=480 (10/X-8X-6)

1.3 for loops. 0(N3) 0(1)

2. sort 0(N logN) 0(1)

3.5 vouables (o(N) o(i)

-8 -6 -3

(2X4X10)-8 opl= max1 x max2 x max3

(-8x-6x10)=480 noa = min1 X min2 X mara]

op2 = min1 x min2 x max2 |
$$(0p1, 0p2) = (180)$$

-5 -4 -3 -2 -1

 $(-5x - 4x - 1) = -20$
 $(-3x - 2x - 1) = -6$

max3 = -20

min 2 = -20
 $(-3x - 2x - 1) = -6$

max3 = -20
 $(-3x - 2x - 1) = -6$
 $(-6x - 2x - 1) = -6$

op2 = min1 x max2 x max3 = $(0x + 2x) = 80$

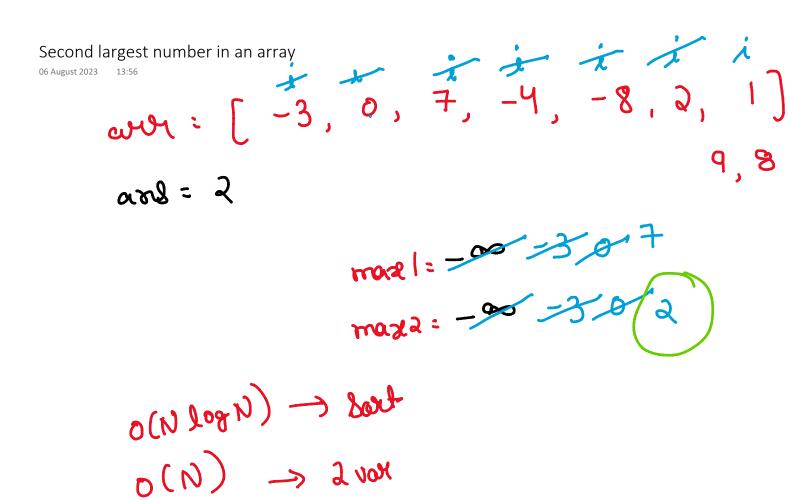
op3 = min1 x min 2 x max2 = $(-8x - 6x) = 480$

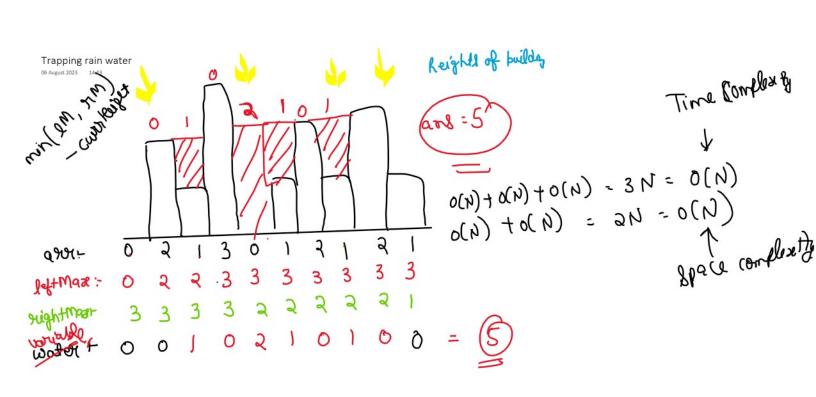
Op3 = min1 x min 2 x max2 = $(-8x - 6x) = 480$

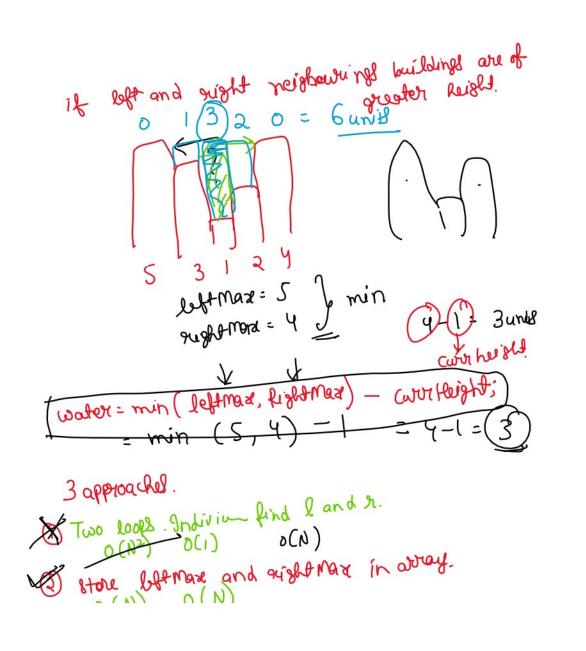
Op3 = min1 x min 2 x max2 = $(-8x - 6x) = 480$

Op3 = min1 x min 2 x max2 = $(-8x - 6x) = 480$

Op3 = min1 x min 2 x max2 = $(-8x - 6x) = 480$



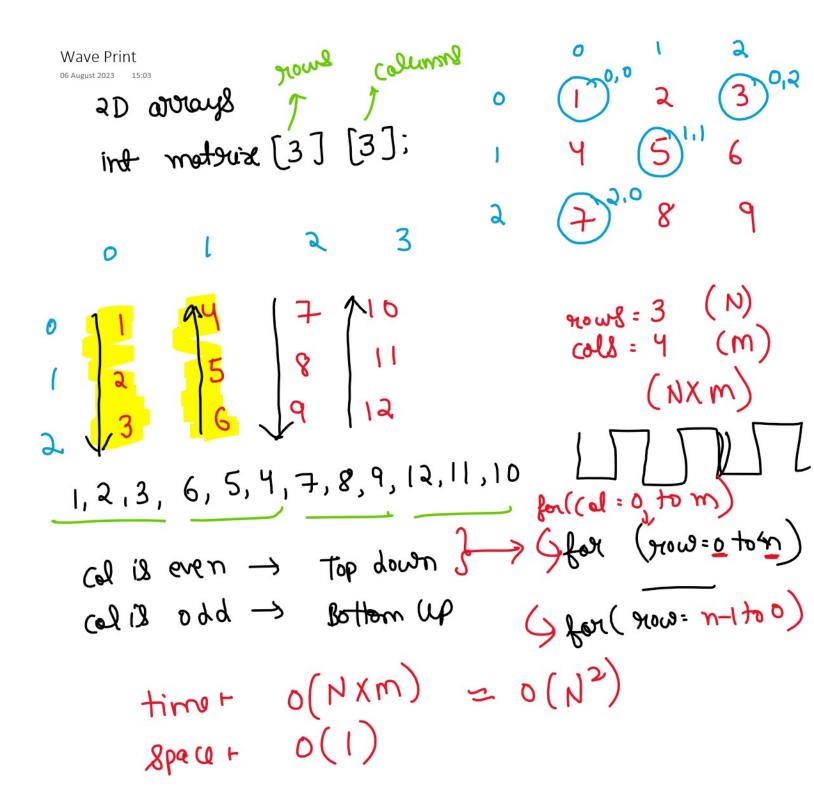




Store blemax and rightmax in obray.

Two pointed.

O(N), O(1)



-> grotate the motorial 90° in clockwise done they Time + O(N2) -> Lavore motoris Space - O(N2) 5 11 82,1 (i=0 ton-1) (i=j+1 or 1)-1 neverbe pac

1. Take toanspose a. Reverde the how Time + O(N2) 8 paco + o(1) =0 & & j < e j=j+1 24 1×7

900°

