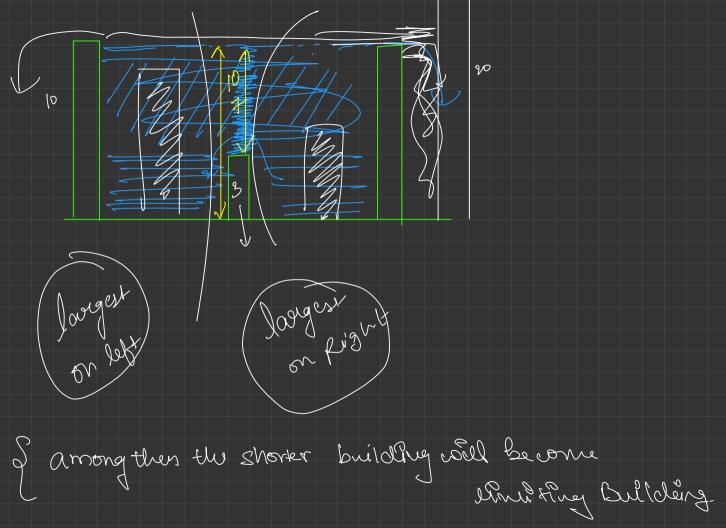
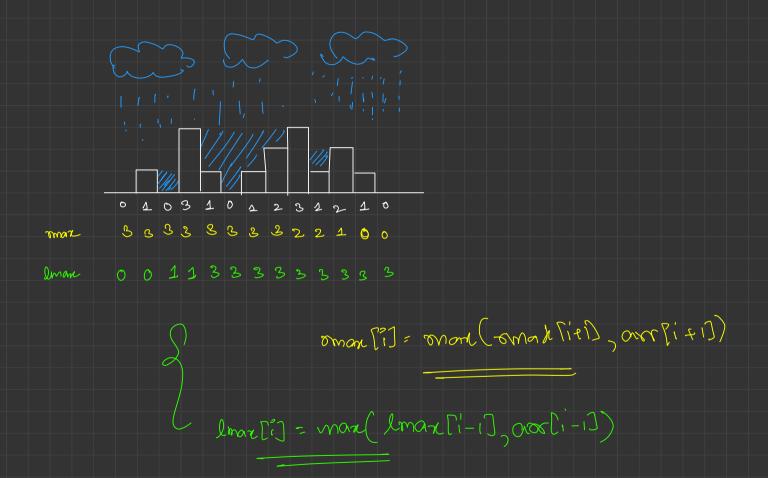


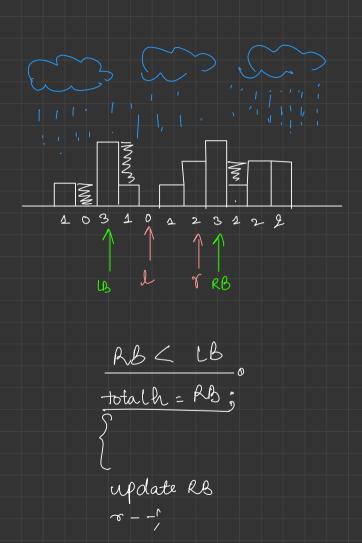
Trapping kain Water 0 4 0 3 1 0 4 2 3 1 2 1 0 - 10 sq units of water Brute force TC: OCN²) SC: OC1) (1) go to each building (2) got more on left and marin on right 3) get liniting building = h of ever building + h of w (4) haf we = linting-hafbulding



```
// TC: 0(N^2), SC: 0(1)
public void TappingWater(int[] arr, int n) {
    //Write code here and print output
    int amtOfWater = 0;
    for (int i = 0; i < n; i++) {
        for (int j = 0; j \le i - 1; j++) {
            lmax = Math.max(lmax, arr[j]);
        for (int j = i + 1; j \le n - 1; j++) {
            rmax = Math.max(rmax, arr[j]);
        int totalHeight = Math.min(lmax, rmax);
        if (totalHeight > arr[i]) {
            int waterHeight = totalHeight - arr[i];
            amtOfWater += (waterHeight * 1);
    System.out.println(amtOfWater);
```







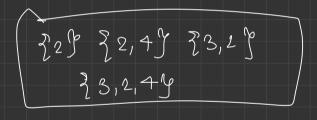
TCOCN) 9 www (/c=8) LB < = RB total height = UB; update Lb; 1+4;

Sum of Subarray nummuns 29 92,49 22,4,1,57 22,4,1,5,29 349 74,19 37,1,57 34,1,5,-9 3 1/5 /2 P 35y 75,24

Boutefo	ree			
	get all Subarray	generate viin an	nd add.	
	TC: OCN2) SC: O(1)			
L	SC: O(1)			
20-11	: { 3, 2, 4, 1, 5, 2	oms = 36	TC. OCN)?	
Coll				
	3,2,4,1	1,5,2		
	215	17	717 71,57 71,5,2	
	24,17	21,5°3	79,19 74,1,57 7-	
	{2,4,1°} {3,2,4,1°}	11,5,29	7-	(2,A, 1, 5,2)
	73,24,17		23,2,7,1	

ant []: {3,2,4,1,5,2}

ZXZ = 4 Subarrays



arti -1-11-133 nseli nser a conseli po no of Elementon left B L'Inseri-i > no. of Element on Right total Serbarray where arrlid nim - AXB

