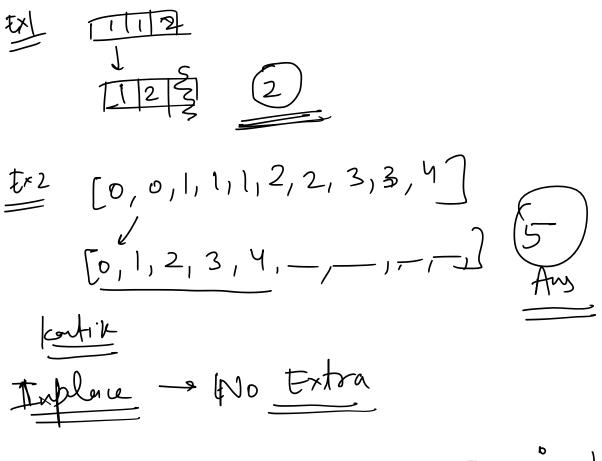


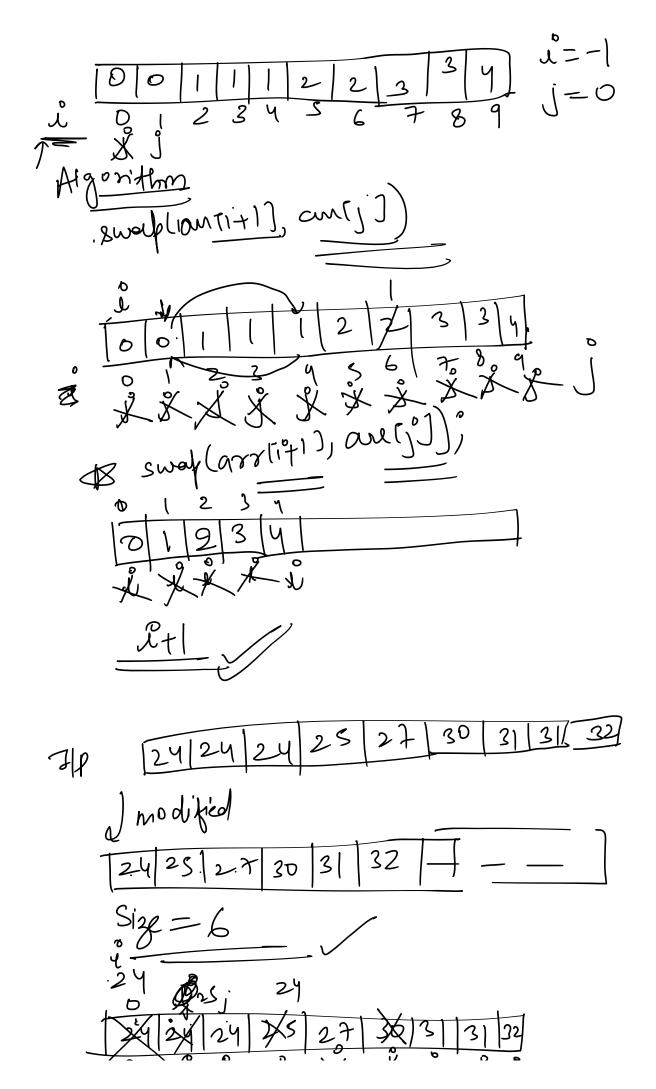
Since it is impossible to change the length of the array in some languages, you must instead have the result be placed in the **first part** of the array nums. More formally, if there are k elements after removing the duplicates, then the first k elements of nums should hold the final result. It does not matter what you leave beyond the first k elements.

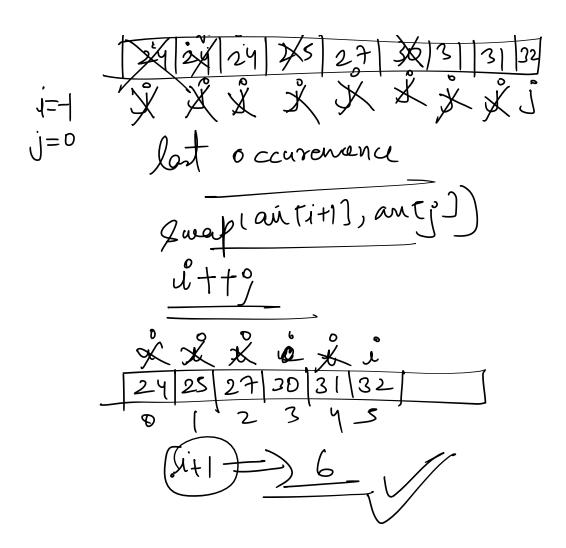
Return k after placing the final result in the first k slots of nums.

Do not allocate extra space for another array. You must do this by modifying the input array in-place with O(1) extra memory.

Input: nums = [1,1,2] Output: 2, nums = [1,2,_] Explanation: Your function should return k = 2, with the first two elements of nums being 1 and 2 respectively. It does not matter what you leave beyond the returned k (hence they are underscores). Example 2: Input: nums = [0,0,1,1,1,2,2,3,3,4] Output: 5, nums = [0,1,2,3,4,____,__] Explanation: Your function should return k = 5, with the first five elements of nums being 0, 1, 2, 3, and 4 respectively. It does not matter what you leave beyond the returned k (hence they are underscores).



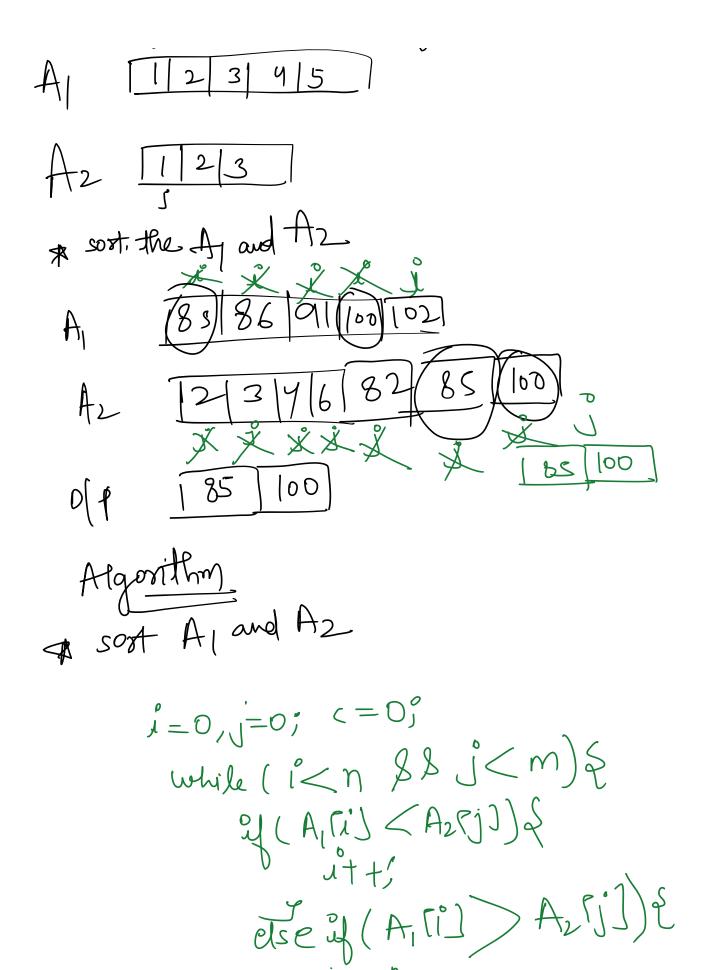




T.C-D(N) S.C-OU)

Interection of Two Array

AI



(1+1)

3 else & (++) (++)

Classes Page 4



Given an array, rotate the array by one position in clock-wise direction.

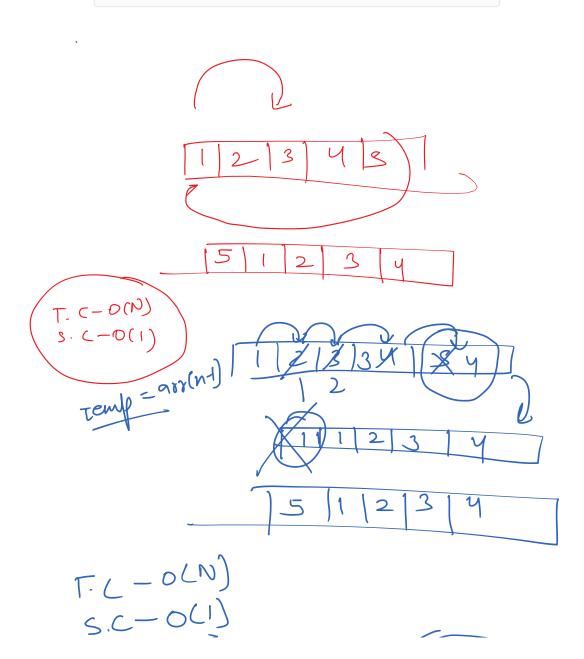
Example 1:

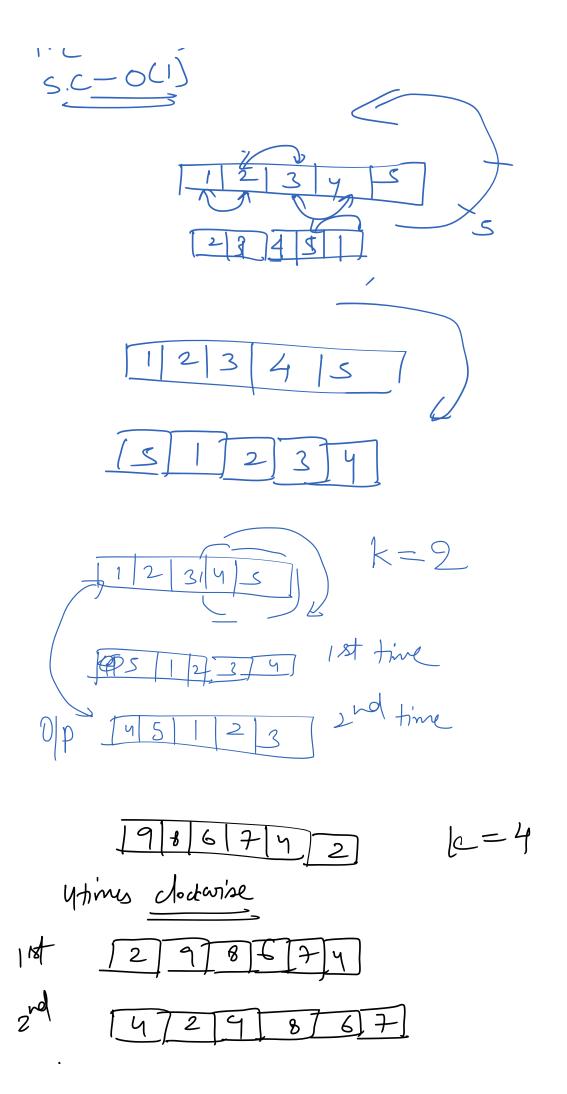
Input:

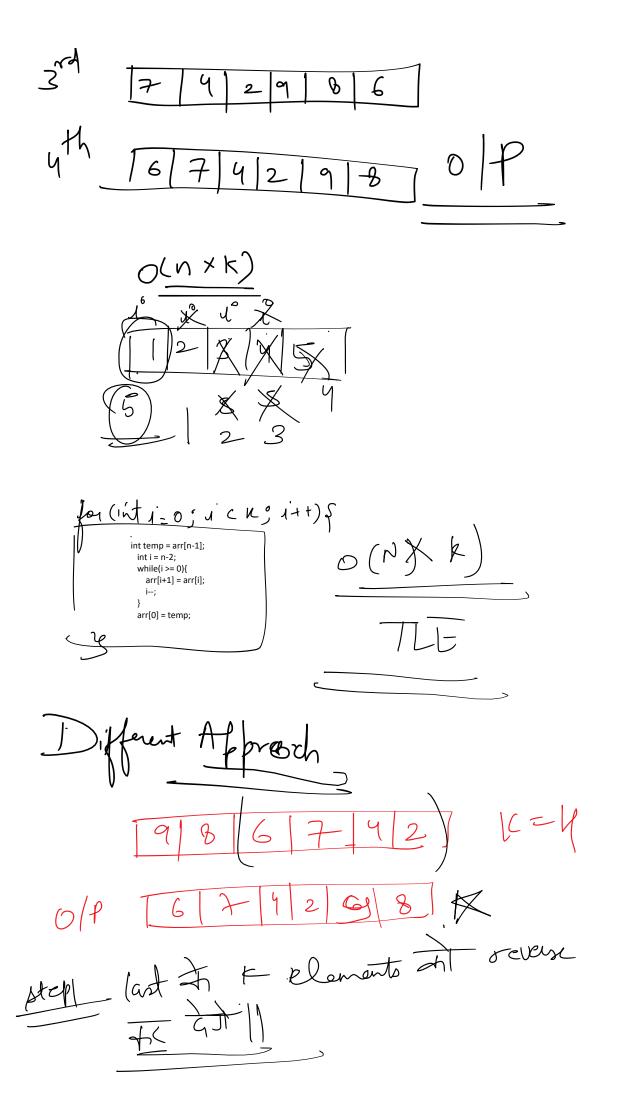
N = 5

A[] = {1, 2, 3, 4, 5}

Output:
5 1 2 3 4

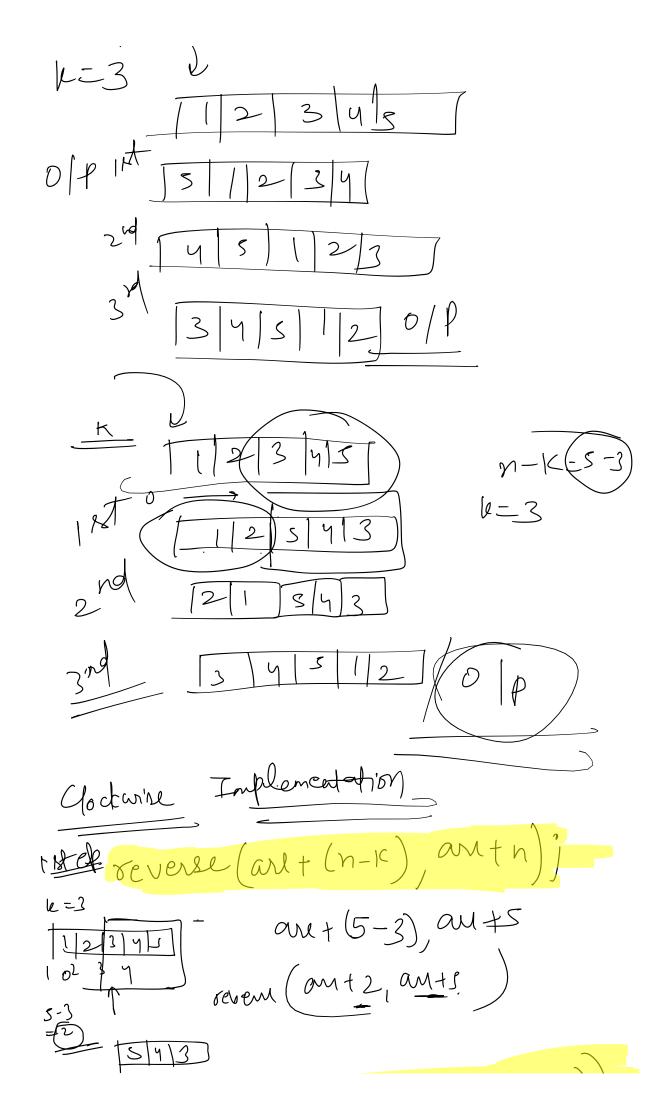


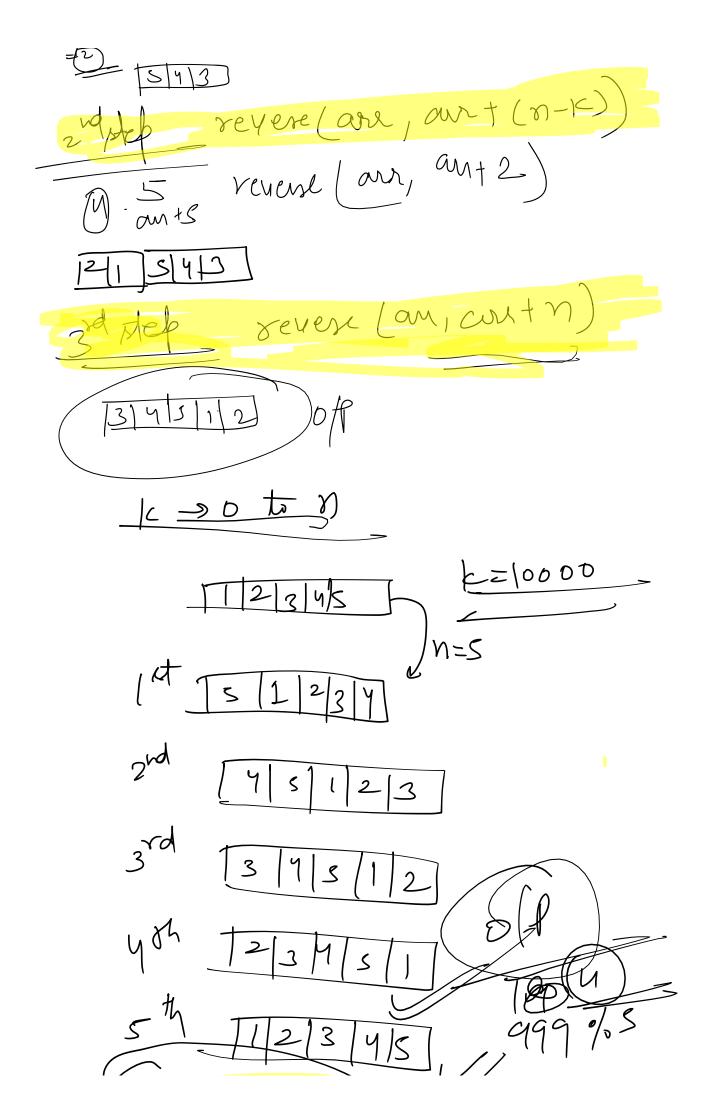


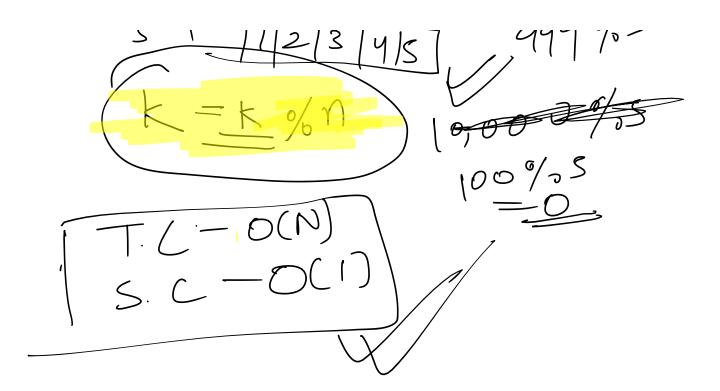


2 9 | 8 Step2 6 21 to elements til sexen B Aft clements should be revered = 0/P <u>6</u> (-)(N)Atiwood wisk

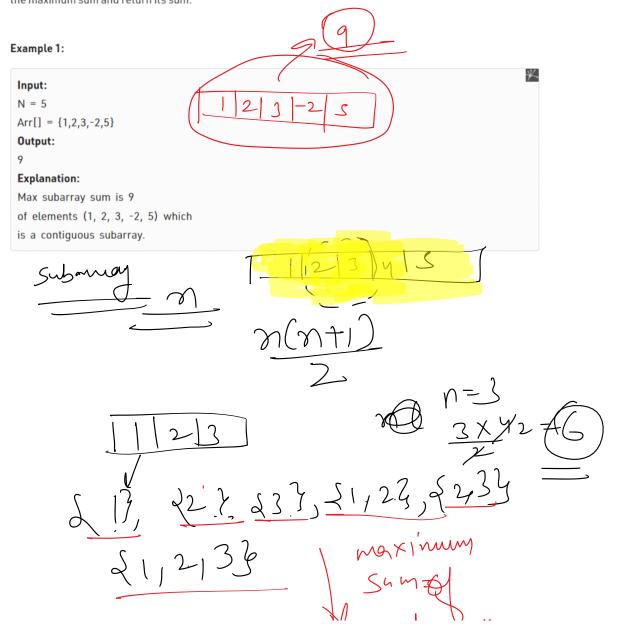
Classes Page 8







Given an array Arr[] of N integers. Find the contiguous sub-array (containing at least one number) which has the maximum sum and return its sum.



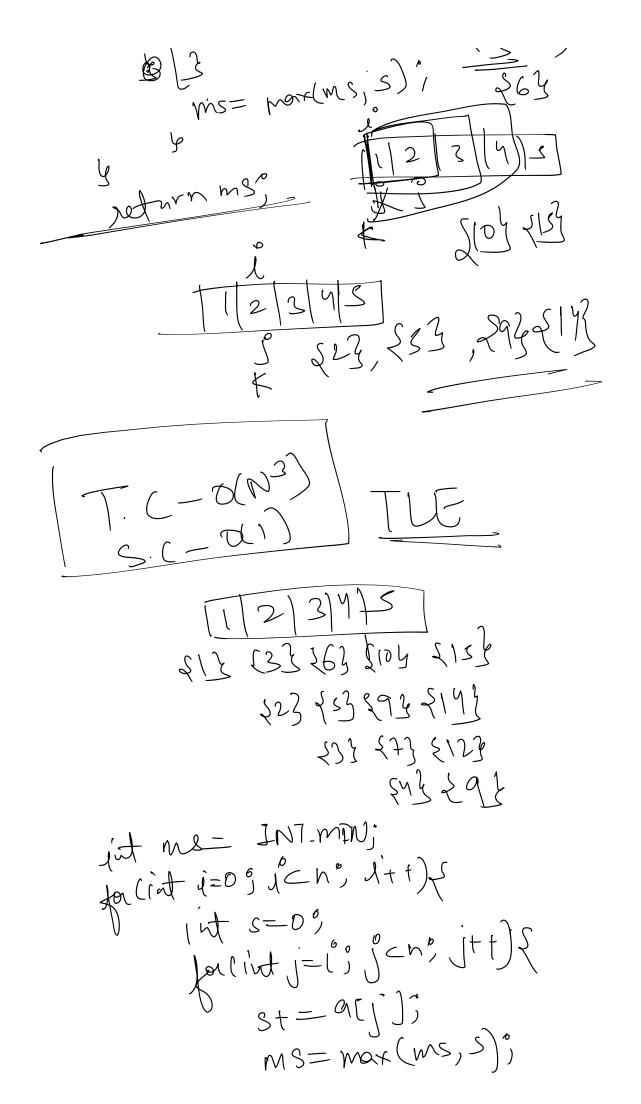
Naire Prop Algo At Shin Compare mex sum to refurn to Implement dorlit. 1=0°, i < n; itt) ? pa(int)=1,0

Tan(int)=1,0

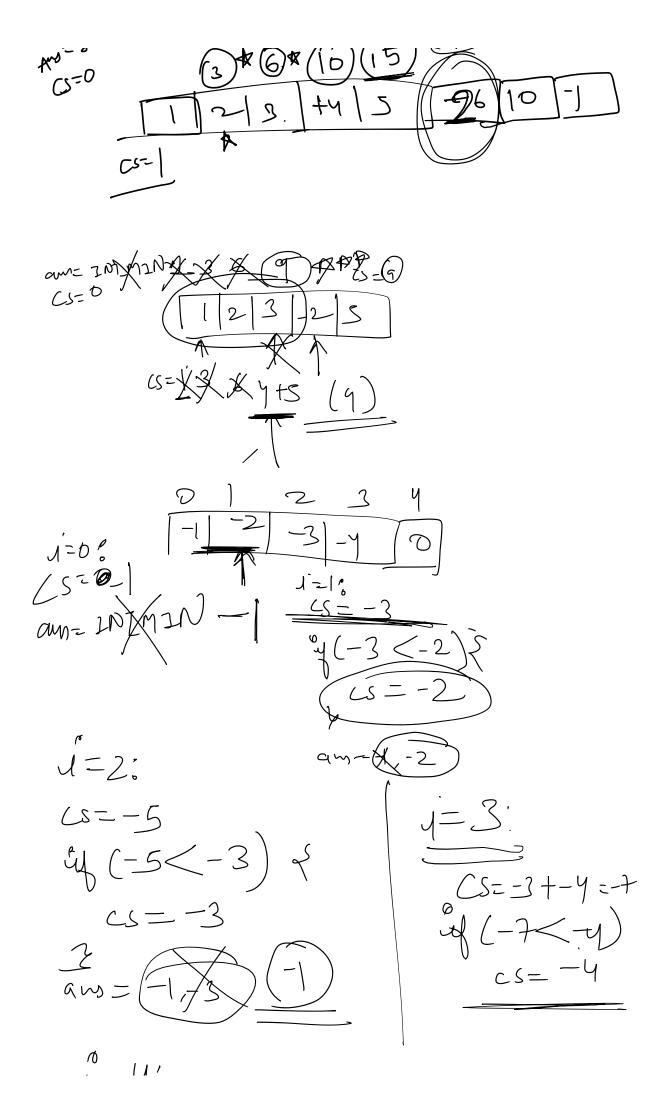
Tan(int) K=1,0 K < 20,0 K+t) < 1,0</p>

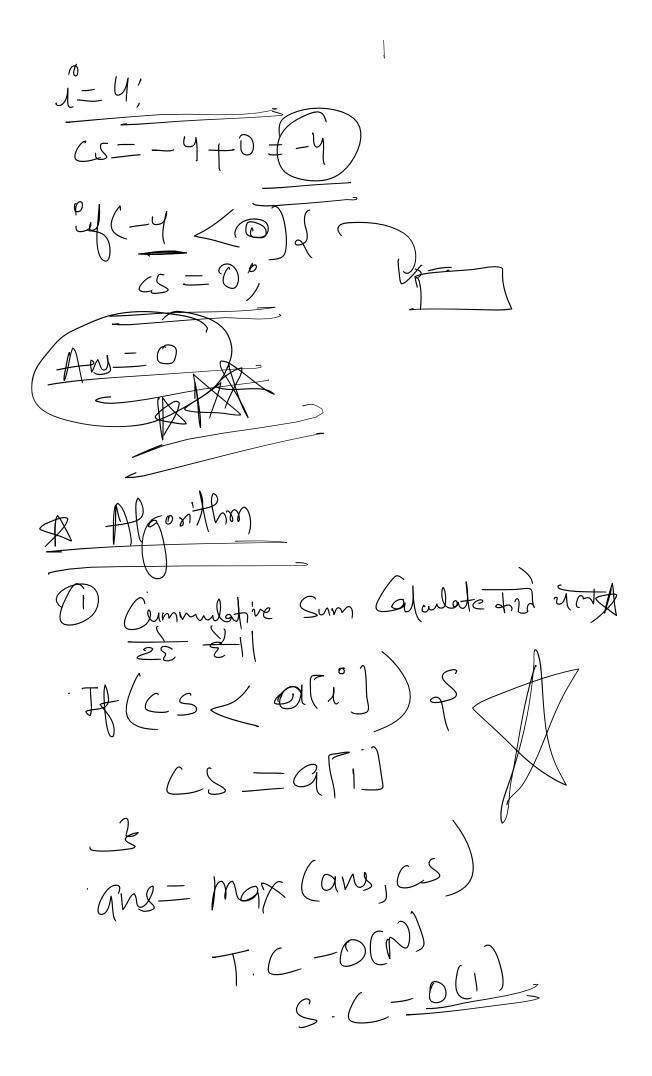
St = app (14): 1,1

1,1 = arr (4); ~/ms,s)"/ \$64



MS = max(ms, S)ide it an=IN]_MIN? 14 cs= 0; forlint 1=0; 1<n; 1+1){
(s+=9[1]); igles < árij) & 20 (3 * 6 * (D) (15)





```
long long maxSubarraySum(int arr[], int n){
  long long ans = INT MIN;
  long long cs = 0;
  for(int i = 0; i < n; i++){
      cs += arr[i];
      if(cs < arr[i]){
        cs = arr[i];
    }
    ans = max(ans,cs);
}
return ans;
}</pre>
```