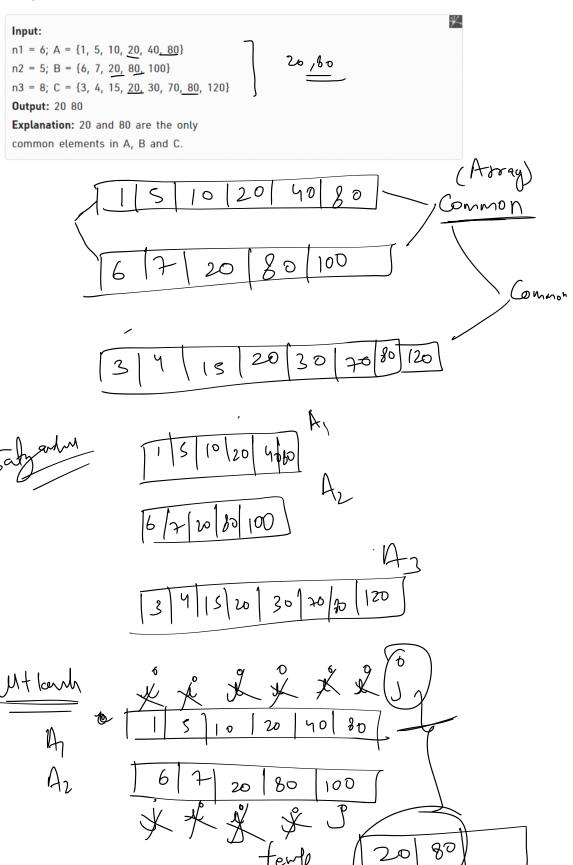
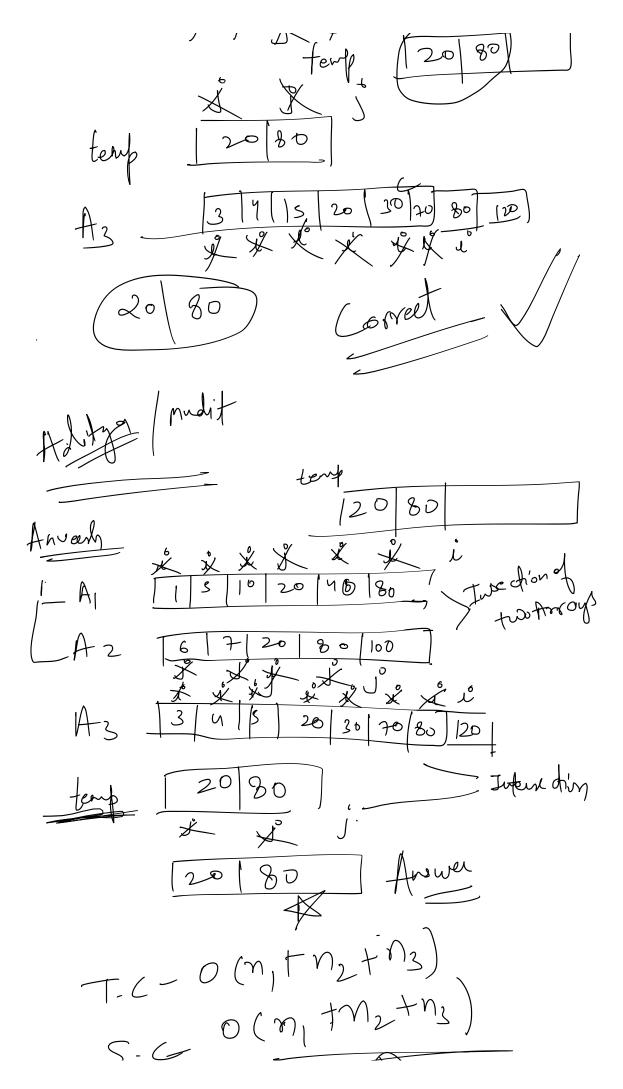
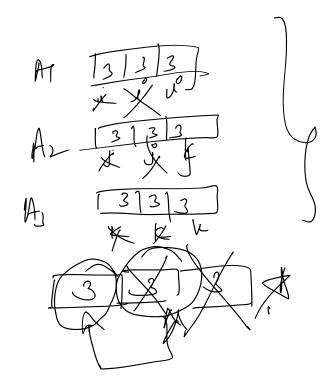
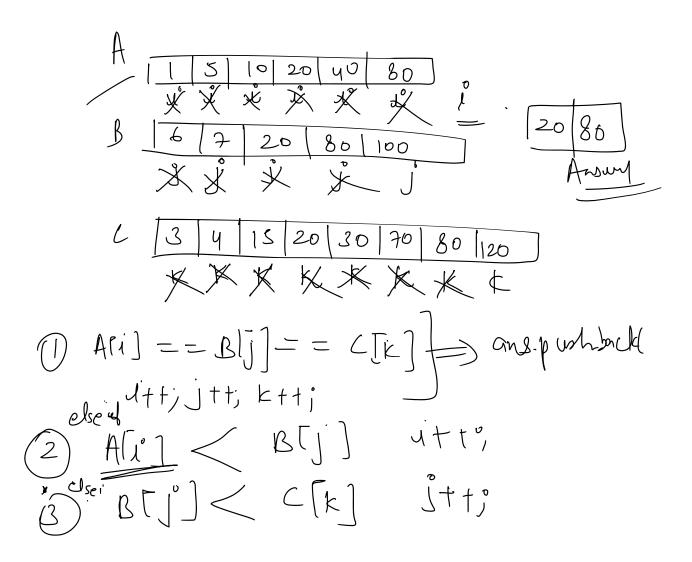
Given three arrays sorted in increasing order. Find the elements that are common in all three arrays.

Note: can you take care of the duplicates without using any additional Data Structure?

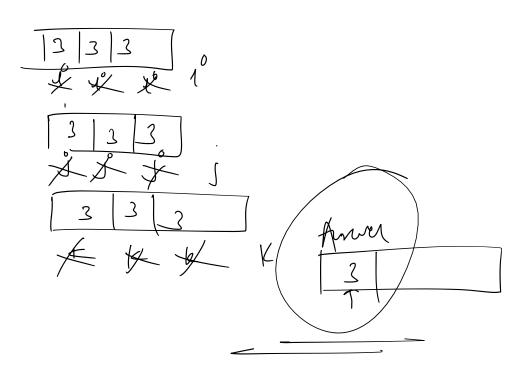






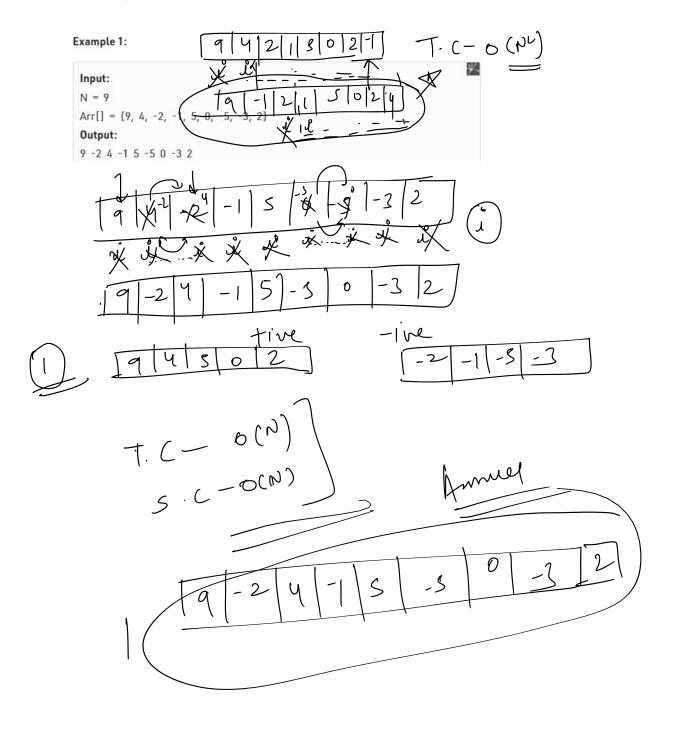






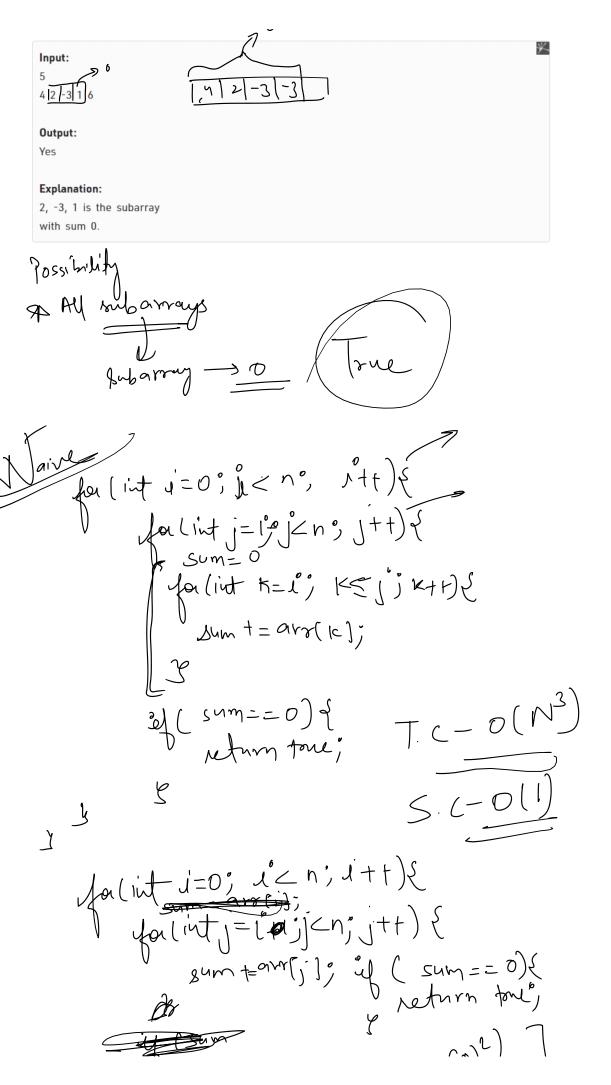
Given an unsorted array  $\mathbf{Arr}$  of  $\mathbf{N}$  positive and negative numbers. Your task is to create an array of alternate positive and negative numbers without changing the relative order of positive and negative numbers.

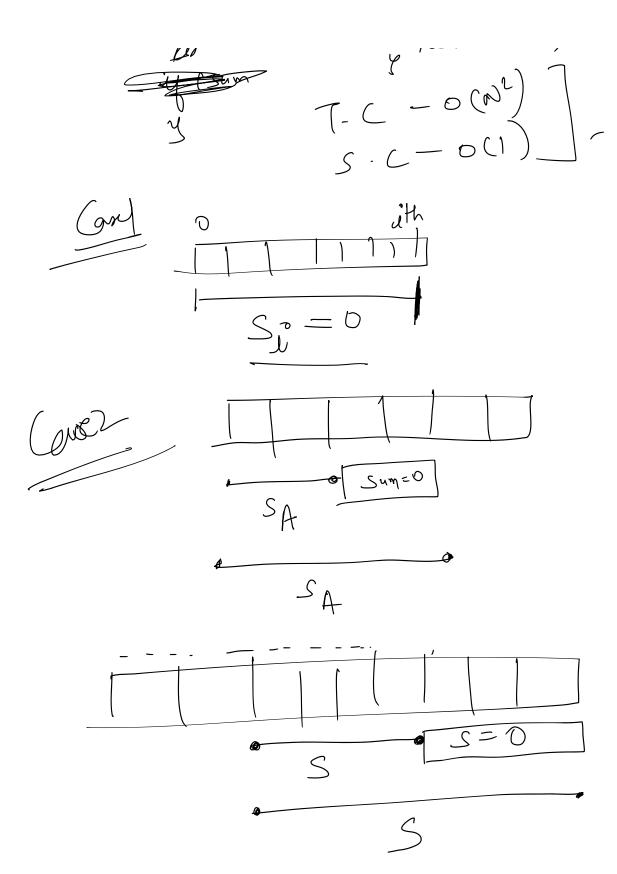
Note: Array should start with a positive number.



Given an array of positive and negative numbers. Find if there is a **subarray** (of size at-least one) with **0 sum**.



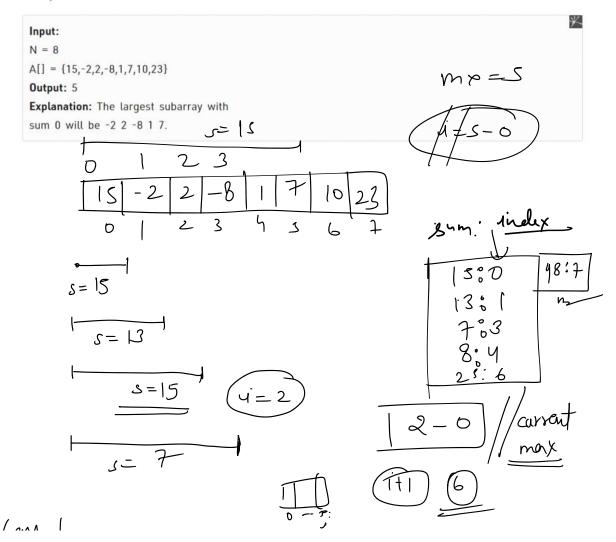


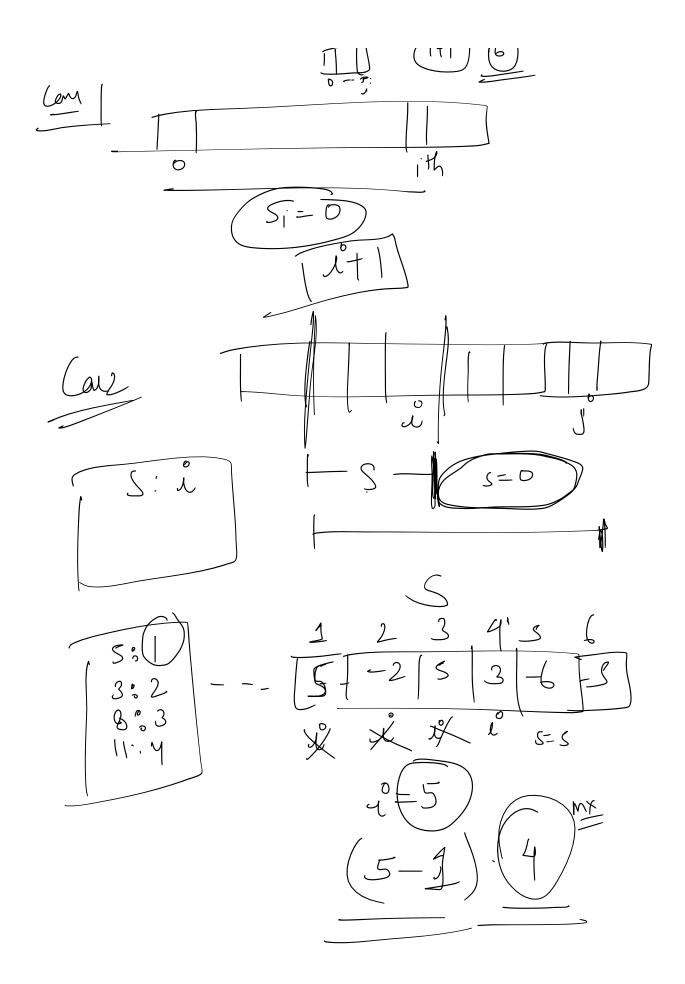


```
bool subArrayExists(int arr[], int n)
{
    // case 1
    int sum = 0;
    unordered_set<int> us;
    for(int i = 0;i < n;i++){
        sum += arr[i];
        // case 1
        if(sum == 0){
            return true;
        }
        // case 2
        if(us.find(sum)!=us.end()){
            return true;
        }
        us.insert(sum);
    }
    return false;
}</pre>
```

longest Arroay with zero Lum

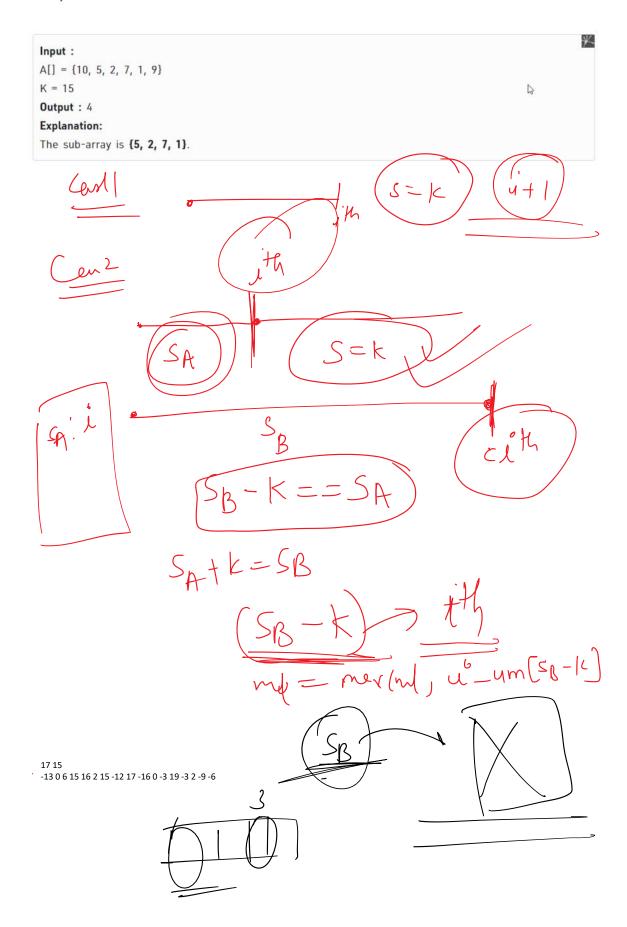
Given an array having both positive and negative integers. The task is to compute the length of the largest subarray with sum 0.





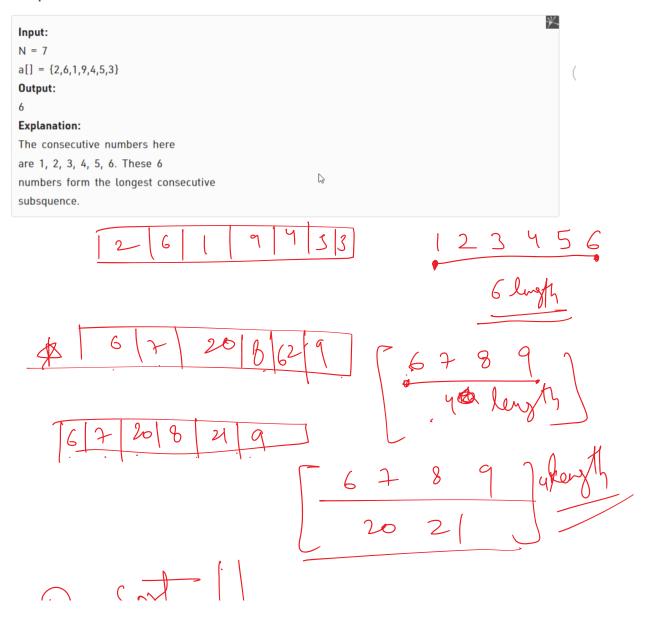
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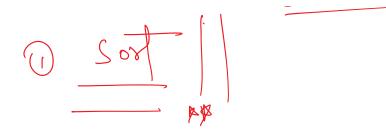
Given an array containing  $\mathbf{N}$  integers and an integer  $\mathbf{K}$ ., Your task is to find the length of the longest Sub-Array with the sum of the elements equal to the given value  $\mathbf{K}$ .

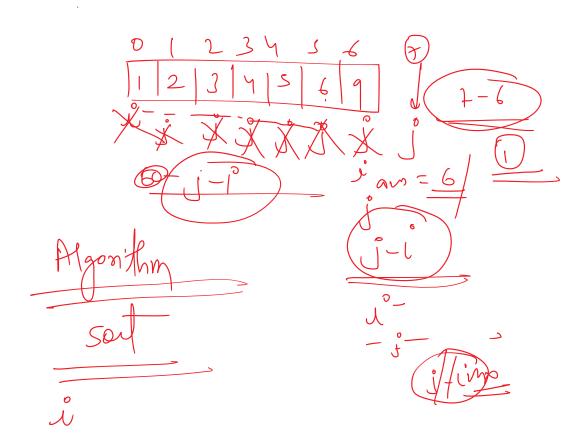


```
int lenofLongSubarr(int A[], int n, int k)
{
    int cs = 0,ml = 0;
    unordered map<int,int> um;
    for(int i = 0;i < n;i++){
        cs += A[i];
        // case 1
        if(cs == k){
            ml = max(ml,i+1);
        }
        // case 2;
        if(um.find(cs-k)!=um.end()){
            ml = max(ml,i - um[cs-k]);
        }
        if(um.find(cs) == um.end()){
            um[cs] = i;
        }
    }
    return ml;
}</pre>
```

Given an array of positive integers. Find the length of the longest sub-sequence such that elements in the subsequence are consecutive integers, the **consecutive numbers can be in any order.** 





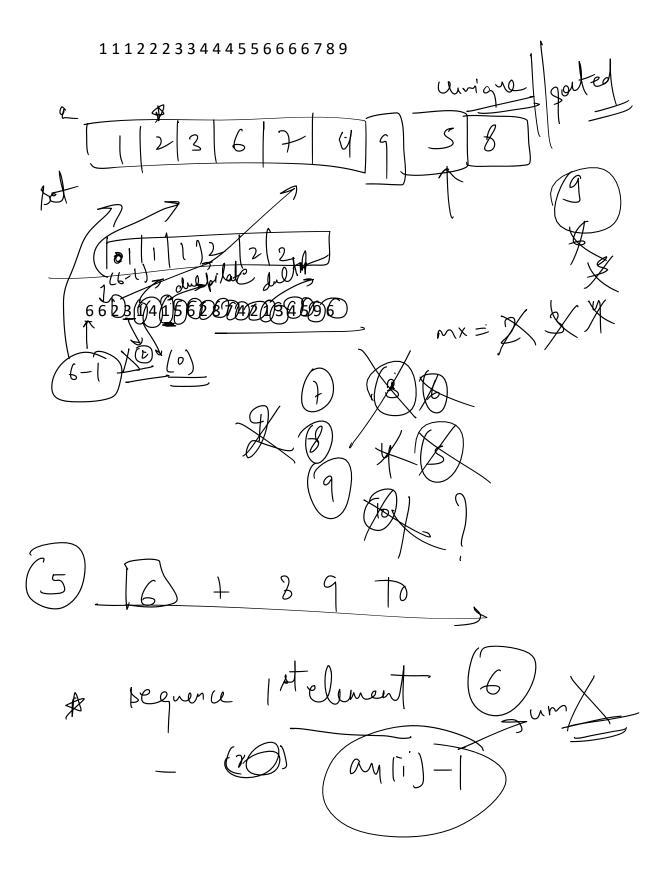


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From <a href="https://practice.geeksforgeconsecutive-subsequence2449/1">https://practice.geeksforgeconsecutive-subsequence2449/1</a>



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