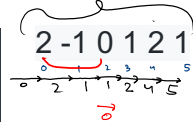


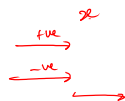
```
public long maxSubarraySum(int a[], int n){
    //Write code here
    long train = 0;
    long res = Integer.MIN_VALUE;

    for(int i = 0; i < n; i++){
        long prev = train + a[i];
        long startnew = a[i];
        train = Math.max(prev, startnew);
        res = Math.max(res, train);
    }
    return res;
}
```

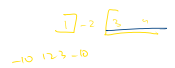
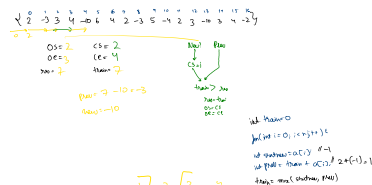
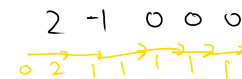


res = 5

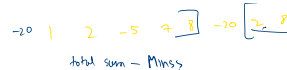
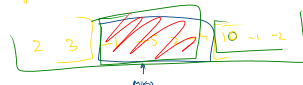
sp ep



2



- 10 12 3 = 10
- (ans) if all +ve => Max Sum Subarray
- if all -ve => Max Sum Subarray
- ans is not empty element => Max Sum Subarray
- if ans is empty element => Total sum - Min sum subarray



-2 -3 -4 -20 -1

Total sum  
Max sum subarray  
Min sum subarray

2 -3 -2 -8 10  
-10 1  
-10 1  
-10 1

9, 1 - (-10)  
9, 11

