```java
public int subarraySum(int[] nums, int k) {
    //prefix sum vs freq
    HashMap<Integer,Integer> hm = new HashMap<>();
    hm.put(0,1);
    int pref = 0;
    int ans = 0;

    for(int x: nums){
        pref+=x;

        if(hm.containsKey(pref-k)){
            ans += hm.get(pref-k);
        }

        hm.put(pref,hm.getOrDefault(pref,0)+1);
    }
    return ans;
}
```

k=0

ans=7

```
0:3
10:2
12:1
-10:1
```

[1,2,1,2,1]

Kadane's
sum subarray having maximum sum

2 -3 4 5 -10 6 8 -4 3 2 /-7 3

int maxh=
int prev = toltar[i]

if(next > prev){
  cs=i
  t.prev + nexthan
} else {
  t.prev + prevthan
}

if(train > max){
  maxthan
  os=cs , oe=ce
  ce=i
}

max = 9   true 8
os= 2   cs=5
oe= 3   ce= 6

int train= 0
int max = -∞

for(int i=0; i<n; i++){
  int nexthan = all[i];
  int prevthan = train + all[i];
  train = Math.max(nexthan, prevthan);
  max = Math.max(max, train)
}

return result.

5 -4 2 -1 5 6

5 -3 5

2 -(-3) = 10