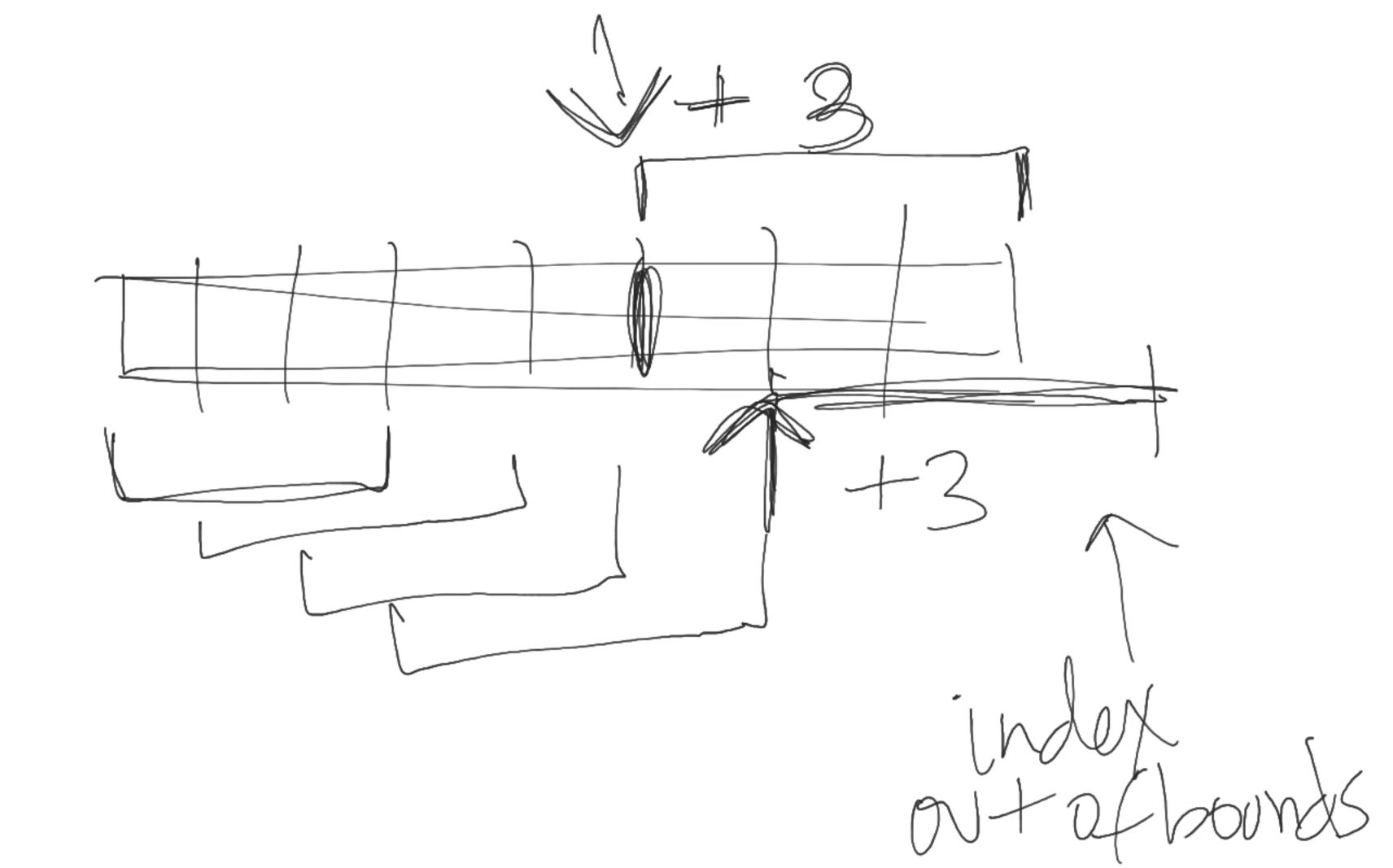




- len (array) for Theck teach suba with size? & Check the sum of Subarrays. 18 SUM == 16 in oremen counter



## The least efficient: don't implement this way



return counter

Using a window +1 = remove & add so, Siti = Si-arreit arreit

## Still bad performence: (hz)

```
class Solution:
 def subarraySum(self, nums: List[int], k: int) -> int:
     counter = 0
    for subSize in range(1, len(nums)+1):
        # the reason we have len(nums)+1 is to handle the case when subSize == len(nums)
        #print("subarray size: ", subSize, end = ': ')
        # S is the window
        S = sum(nums[0:subSize])
        if S == k:
            counter += 1
        for i in range(0, len(nums)-subSize):
           S = S - nums[i] + nums[i+subSize]
           #print(nums[i:i+subSize], end = '----')
           if k == 5:
             ve ondringowdte
               counter += 1
        #print()
     return counter
```

Le Los med Sum f Sum > K: Shrinkwindow from left E if sum window if Sum=FR! countert

```
class Solution:
def subarraySum(self, nums: List[int], k: int) -> int:
 counter = 0
  i,j = 0,0
   S = sum(nums[i:j]) # adding one because substring method is exclusive
  while i < len(nums) and j < len(nums):
     if S == k:
        counter += 1
        i += 1
        j += 1
     elif S < k:
       j += 1
        S += nums[j]
     elif S > k:
       i -= 1
        S = nums[i]
  return counter
```