LEETCODE | 560 |

Subarray Sum Equals K

Input = [1, 2, 3] ← num
k = 3

Step 1   Even 1 element can be the answer so we can
have to Sum - k = 0 so create Hashmap
& put element (0, 1) in it

Step 2   int count = 0
         int sum = 0

                                            (6, 1)
                                            (3, 1)
Step 3   For loop from i = 0 to num.length  (1, 1)
                                            (0, 1)

Step 4
         sum = sum + num[i];
So, target decrease by diff = sum - num[i] check

| hm.get(diff) | count | sum | diff | Iteration |
|---|---|---|---|---|
| F | 0 | 1 | 1-3=-2 | 1 (i=0) |
| T | 1 (count ++) | 3 | 3-3=0 | 2 (i=1) |
| T | 2 (count++) | 6 | 6-3=3 | 3 (i=2) |

Step 5  return count = 2