560. Subarray Sum Equals K

Given an array of integers `nums` and an integer `k`, return *the total number of continuous subarrays whose sum equals to* `k`.

Example 1:

```
Input: nums = [1,1,1], k = 2
Output: 2
```

Example 2:

```
Input: nums = [1,2,3], k = 3
Output: 2
```

Constraints:

- `1 <= nums.length <= 2 * 10`^{4}
- `-1000 <= nums[i] <= 1000`
- `-10`^{7} `<= k <= 10`^{7}

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  ```
  def subarraySum(self, nums: List[int], k: int) -> int:
          freq = {}
          prefix = 0
          freq[0]=1
          count = 0
          for ele in nums:
              prefix +=ele
              if prefix-k in freq:
                  count = count+freq[prefix-k]
              freq[prefix] = freq.get(prefix,0)+1
          return count
  ```