

560. Subarray Sum Equals K

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

A subarray is a contiguous non-empty sequence of elements within an array.

Example 1:

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

Example 2:

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

Constraints:

- $1 \leq \text{nums.length} \leq 2 * 10^4$
- $-1000 \leq \text{nums}[i] \leq 1000$
- $-10^7 \leq k \leq 10^7$