Shortest Subarray with Sum at Least K

Given an integer array nums and an integer k, return *the length of the shortest non-empty* ***subarray*** *of* nums *with a sum of at least* k. If there is no such **subarray**, return -1.

A **subarray** is a **contiguous** part of an array.

Example 1:

Input: nums = [1], k = 1

Output: 1

Example 2:

Input: nums = [1,2], k = 4

Output: -1

Example 3:

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

Output: 3

Constraints:

- $1 <= nums.length <= 10^5$
- $-10^5 <= nums[i] <= 10^5$
- $1 <= k <= 10^9$