

862. Shortest Subarray with Sum at Least K

Description

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 <= 105`
- `-105 <= nums[i] <= 105`
- `1 <= k <= 109`

