**862. Shortest Subarray with Sum at Least K**

Hard

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Return the **length** of the shortest, non-empty, contiguous subarray of A with sum at least K.

If there is no non-empty subarray with sum at least K, return -1.

**Example 1:**

**Input:** A = [1], K = 1

**Output:** 1

**Example 2:**

**Input:** A = [1,2], K = 4

**Output:** -1

**Example 3:**

**Input:** A = [2,-1,2], K = 3

**Output:** 3

**Note:**

1. 1 <= A.length <= 50000
2. -10 ^ 5 <= A[i] <= 10 ^ 5
3. 1 <= K <= 10 ^ 9