Shortest Subarray With OR at Least K II

You are given an array nums of **non-negative** integers and an integer k.

An array is called **special** if the bitwise OR of all of its elements is **at least** k.

Return *the length of the* ***shortest special non-empty***

subarray

of nums, *or return* -1 *if no special subarray exists*.

Example 1:

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

Output: 1

Explanation:

The subarray [3] has OR value of 3. Hence, we return 1.

Example 2:

Input: nums = [2,1,8], k = 10

Output: 3

Explanation:

The subarray [2,1,8] has OR value of 11. Hence, we return 3.

Example 3:

Input: nums = [1,2], k = 0

Output: 1

Explanation:

The subarray [1] has OR value of 1. Hence, we return 1.

Constraints:

- $1 <= nums.length <= 2 * 10^5$
- $0 <= nums[i] <= 10^9$
- $0 <= k <= 10^9$