Given an array of integers nums and an integer k, return *the number of contiguous subarrays where the product of all the elements in the subarray is strictly less than* k.

**Example 1:**

Input: nums = [10,5,2,6], k = 100  
Output: 8  
Explanation: The 8 subarrays that have product less than 100 are:  
[10], [5], [2], [6], [10, 5], [5, 2], [2, 6], [5, 2, 6]  
Note that [10, 5, 2] is not included as the product of 100 is not strictly less than k.

**Example 2:**

Input: nums = [1,2,3], k = 0  
Output: 0

**Constraints:**

* 1 <= nums.length <= 3 \* 104
* 1 <= nums[i] <= 1000
* 0 <= k <= 106