

713. Subarray Product Less Than K

Description

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`

