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2348. Number of Zero-Filled Subarrays

Medium

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Given an integer array `nums`, return the number of **subarrays** filled with `0`.

A **subarray** is a contiguous non-empty sequence of elements within an array.

Example 1:

Input: `nums = [1,3,0,0,2,0,0,4]`

Output: 6

Explanation:

There are 4 occurrences of `[0]` as a subarray.

There are 2 occurrences of `[0,0]` as a subarray.

There is no occurrence of a subarray with a size more than 2 filled with `0`.

Therefore, we return 6.

Example 2:

Input: `nums = [0,0,0,2,0,0]`

Output: 9

Explanation:

There are 5 occurrences of `[0]` as a subarray.

There are 3 occurrences of `[0,0]` as a subarray.

There is 1 occurrence of `[0,0,0]` as a subarray.

There is no occurrence of a subarray with a size more than 3 filled with `0`.

Therefore, we return 9.

Example 3:

Input: `nums = [2,10,2019]`

Output: 0

Explanation: There is no subarray filled with `0`. Therefore, we return 0.

Constraints:

- `1 <= nums.length <= 105`
- `-109 <= nums[i] <= 109`

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class Solution {

public long zeroFilledSubarray(int[] nums) {

}

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