# 2348. Number of Zero-Filled Subarrays

## Description

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 <= 10 <sup>5</sup>
```

```
• -10^9 <= nums[i] <= 10^9
```