

# 2495. Number of Subarrays Having Even Product

## Description

Given a 0-indexed integer array `nums`, return *the number of subarrays of `nums` having an even product*.

### Example 1:

**Input:** `nums = [9,6,7,13]`

**Output:** 6

**Explanation:** There are 6 subarrays with an even product:

- `nums[0..1] = 9 * 6 = 54.`
- `nums[0..2] = 9 * 6 * 7 = 378.`
- `nums[0..3] = 9 * 6 * 7 * 13 = 4914.`
- `nums[1..1] = 6.`
- `nums[1..2] = 6 * 7 = 42.`
- `nums[1..3] = 6 * 7 * 13 = 546.`

### Example 2:

**Input:** `nums = [7,3,5]`

**Output:** 0

**Explanation:** There are no subarrays with an even product.

### Constraints:

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

