# 2393. Count Strictly Increasing Subarrays Premium

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You are given an array `nums` consisting of **positive** integers.

Return *the number of **subarrays** of `nums` that are in **strictly increasing** order.*

A **subarray** is a **contiguous** part of an array.

**Example 1:**

```
Input: nums = [1,3,5,4,4,6]
Output: 10
Explanation: The strictly increasing subarrays are the following:
- Subarrays of length 1: [1], [3], [5], [4], [4], [6].
- Subarrays of length 2: [1,3], [3,5], [4,6].
- Subarrays of length 3: [1,3,5].
The total number of subarrays is 6 + 3 + 1 = 10.
```

**Example 2:**

```
Input: nums = [1,2,3,4,5]
Output: 15
Explanation: Every subarray is strictly increasing. There are 15 possible subarrays that we can take.
```

**Constraints:**

- `1 <= nums.length <= 10^5`
- `1 <= nums[i] <= 10^6`

Seen this question in a real interview before? 1/5

Yes No

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Hint 1

Find the number of strictly increasing subarrays that end at a specific index. Can you calculate that for each index from 0 to n - 1?

Hint 2

The answer will be the sum of the number of subarrays that end at each index.

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