2012. Sum of Beauty in the Array

Description

You are given a **0-indexed** integer array `nums`. For each index `i` (`1 <= i <= nums.length - 2`) the **beauty** of `nums[i]` equals:

- `2`, if `nums[j] < nums[i] < nums[k]`, for **all** `0 <= j < i` and for **all** `i < k <= nums.length - 1`.
- `1`, if `nums[i - 1] < nums[i] < nums[i + 1]`, and the previous condition is not satisfied.
- `0`, if none of the previous conditions holds.

Return *the* ***sum of beauty*** *of all* `nums[i]` *where* `1 <= i <= nums.length - 2`.

Example 1:

```
Input: nums = [1,2,3]
Output: 2
Explanation: For each index i in the range 1 <= i <= 1:
- The beauty of nums[1] equals 2.
```

Example 2:

```
Input: nums = [2,4,6,4]
Output: 1
Explanation: For each index i in the range 1 <= i <= 2:
- The beauty of nums[1] equals 1.
- The beauty of nums[2] equals 0.
```

Example 3:

```
Input: nums = [3,2,1]
Output: 0
Explanation: For each index i in the range 1 <= i <= 1:
- The beauty of nums[1] equals 0.
```

Constraints:

- $3 <= nums.length <= 10^5$
- $1 <= nums[i] <= 10^5$