

## 1063. Number of Valid Subarrays

Hard
 73
 5

Given an array  $A$  of integers, return the number of **non-empty continuous subarrays** that satisfy the following condition:

The leftmost element of the subarray is not larger than other elements in the subarray.

### Example 1:

Input:  $[1,4,2,5,3]$   
 Output: 11  
 Explanation: There are 11 valid subarrays:  $[1], [4], [2], [5], [3], [1,4], [2,5], [1,4,2], [2,5,3], [1,4,2,5], [1,4,2,5,3]$ .

### Example 2:

Input:  $[3,2,1]$   
 Output: 3  
 Explanation: The 3 valid subarrays are:  $[3], [2], [1]$ .

### Example 3:

Input:  $[2,2,2]$   
 Output: 6  
 Explanation: There are 6 valid subarrays:  $[2], [2], [2], [2,2], [2,2], [2,2,2]$ .

### Note:

- $1 \leq A.length \leq 50000$
- $0 \leq A[i] \leq 100000$

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```

1 class Solution(object):
2     def validSubarrays(self,
3       nums):
4         """
5         :type nums: List[int]
6         :rtype: int
7         """
    
```