




673. Number of Longest Increasing Subsequence

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Given an unsorted array of integers, find the number of longest increasing subsequence.

Example 1:**Input:** [1,3,5,4,7]**Output:** 2**Explanation:** The two longest increasing subsequence are [1, 3, 4, 7] and [1, 3, 5, 7].**Example 2:****Input:** [2,2,2,2,2]**Output:** 5**Explanation:** The length of longest continuous increasing subsequence is 1, and there are 5 subsequences' length is 1, so output 5.**Note:** Length of the given array will be not exceed 2000 and the answer is guaranteed to be fit in 32-bit signed int.Seen this question in a real interview before? **Subscribe** (/subscribe/) to see which companies asked this question.

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

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