

Problem 665: Non-decreasing Array

Problem Information

Difficulty: Medium

Acceptance Rate: 25.25%

Paid Only: No

Tags: Array

Problem Description

Given an array `nums` with `n` integers, your task is to check if it could become non-decreasing by modifying **at most one element**.

We define an array is non-decreasing if $nums[i] \leq nums[i + 1]$ holds for every i (**0-based**) such that $(0 \leq i < n - 1)$.

Example 1:

Input: `nums = [4,2,3]` **Output:** `true` **Explanation:** You could modify the first 4 to 1 to get a non-decreasing array.

Example 2:

Input: `nums = [4,2,1]` **Output:** `false` **Explanation:** You cannot get a non-decreasing array by modifying at most one element.

Constraints:

`* n == nums.length * 1 <= n <= 104 * -105 <= nums[i] <= 105`

Code Snippets

C++:

```
class Solution {  
public:  
    bool checkPossibility(vector<int>& nums) {  
  
    }  
};
```

Java:

```
class Solution {  
    public boolean checkPossibility(int[] nums) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def checkPossibility(self, nums: List[int]) -> bool:
```