

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] <= nums[i + 1]` holds for every `i` (**0-based**) such that ($0 \leq i \leq n - 2$).

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:
```