

# Problem 1909: Remove One Element to Make the Array Strictly Increasing

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 29.24%

**Paid Only:** No

**Tags:** Array

## Problem Description

Given a **0-indexed** integer array `nums`, return `true` if it can be made **strictly increasing** after removing **exactly one** element, or **false** otherwise. If the array is already strictly increasing, return **true**.

The array `nums` is **strictly increasing** if `nums[i - 1] < nums[i]` for each index `(1 <= i < nums.length).`

**Example 1:**

**Input:** nums = [1,2,10,5,7] **Output:** true **Explanation:** By removing 10 at index 2 from nums, it becomes [1,2,5,7]. [1,2,5,7] is strictly increasing, so return true.

**Example 2:**

**Input:** nums = [2,3,1,2] **Output:** false **Explanation:** [3,1,2] is the result of removing the element at index 0. [2,1,2] is the result of removing the element at index 1. [2,3,2] is the result of removing the element at index 2. [2,3,1] is the result of removing the element at index 3. No resulting array is strictly increasing, so return false.

**Example 3:**

**Input:** nums = [1,1,1] **Output:** false **Explanation:** The result of removing any element is [1,1]. [1,1] is not strictly increasing, so return false.

**Constraints:**

```
* `2 <= nums.length <= 1000` * `1 <= nums[i] <= 1000`
```

## Code Snippets

### C++:

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

### Java:

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

### Python3:

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