# 3105. Longest Strictly Increasing or Strictly Decreasing Subarray

Solved ●

Easy Topics Companies

You are given an array of integers `nums`. Return *the length of the **longest***

*subarray of* `nums` *which is either **strictly increasing** or **strictly decreasing**.*

**Example 1:**

> **Input:** nums = [1,4,3,3,2]
>
> **Output:** 2
>
> **Explanation:**
>
> The strictly increasing subarrays of `nums` are `[1]`, `[2]`, `[3]`, `[3]`, `[4]`, and `[1,4]`.
>
> The strictly decreasing subarrays of `nums` are `[1]`, `[2]`, `[3]`, `[3]`, `[4]`, `[3,2]`, and `[4,3]`.
>
> Hence, we return `2`.

**Example 2:**

> **Input:** nums = [3,3,3,3]
>
> **Output:** 1
>
> **Explanation:**
>
> The strictly increasing subarrays of `nums` are `[3]`, `[3]`, `[3]`, and `[3]`.
>
> The strictly decreasing subarrays of `nums` are `[3]`, `[3]`, `[3]`, and `[3]`.
>
> Hence, we return `1`.

**Example 3:**

> **Input:** nums = [3,2,1]
>
> **Output:** 3
>
> **Explanation:**
>
> The strictly increasing subarrays of `nums` are `[3]`, `[2]`, and `[1]`.
>
> The strictly decreasing subarrays of `nums` are `[3]`, `[2]`, `[1]`, `[3,2]`, `[2,1]`, and `[3,2,1]`.
>
> Hence, we return `3`.

**Constraints:**

- `1 <= nums.length <= 50`
- `1 <= nums[i] <= 50`

Seen this question in a real interview before? 1/5

Yes No

Accepted 169.6K Submissions 259K Acceptance Rate 65.5%

Topics

Companies

Discussion (148)