3349. Adjacent Increasing Subarrays Detection I

Solved ●

Easy Topics Companies Hint

Given an array `nums` of `n` integers and an integer `k`, determine whether there exist **two adjacent**

subarrays of length `k` such that both subarrays are **strictly increasing**. Specifically, check if there are **two** subarrays starting at indices `a` and `b` (`a < b`), where:

- Both subarrays `nums[a..a + k - 1]` and `nums[b..b + k - 1]` are **strictly increasing**.
- The subarrays must be **adjacent**, meaning `b = a + k`.

Return `true` if it is *possible* to find **two** such subarrays, and `false` otherwise.

Example 1:

> **Input:** nums = [2,5,7,8,9,2,3,4,3,1], k = 3
>
> **Output:** true
>
> **Explanation:**
>
> - The subarray starting at index `2` is `[7, 8, 9]`, which is strictly increasing.
> - The subarray starting at index `5` is `[2, 3, 4]`, which is also strictly increasing.
> - These two subarrays are adjacent, so the result is `true`.

Example 2:

> **Input:** nums = [1,2,3,4,4,4,4,5,6,7], k = 5
>
> **Output:** false

Constraints:

- `2 <= nums.length <= 100`
- `1 < 2 * k <= nums.length`
- `-1000 <= nums[i] <= 1000`

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

Yes No

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Hint 1

Discussion (22)