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896. Monotonic Array

Solved

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An array is **monotonic** if it is either monotone increasing or monotone decreasing.

An array `nums` is monotone increasing if for all `i <= j`, `nums[i] <= nums[j]`. An array `nums` is monotone decreasing if for all `i <= j`, `nums[i] >= nums[j]`.

Given an integer array `nums`, return `true` *if the given array is monotonic, or* `false` *otherwise.*

Example 1:

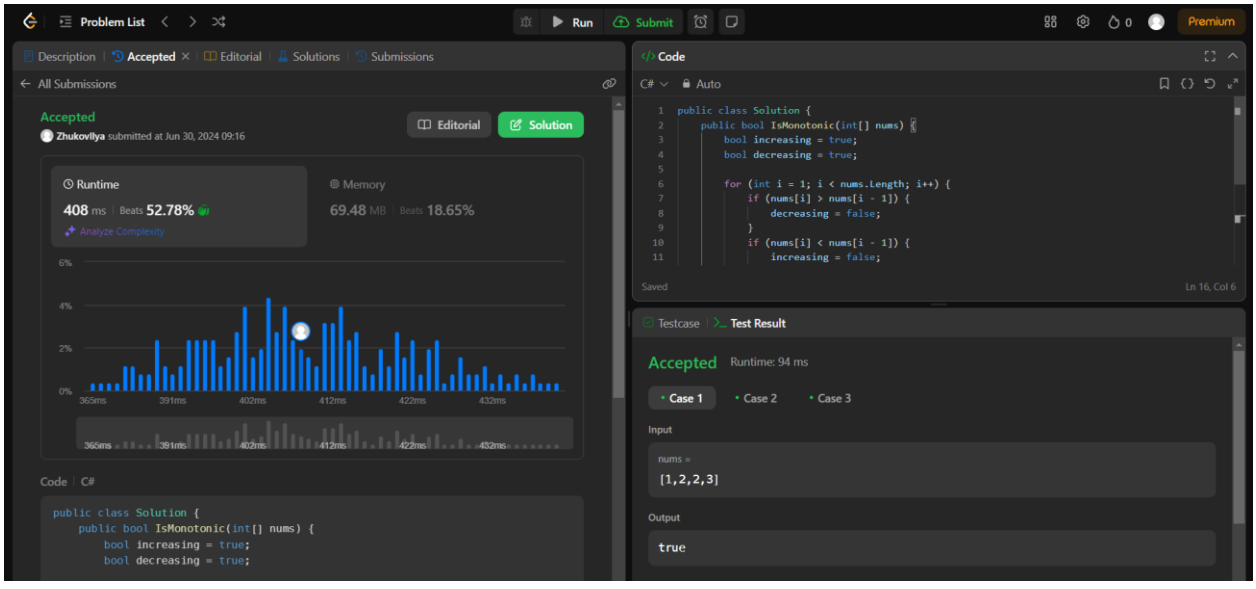
```
Input: nums = [1,2,2,3]
Output: true
```

Example 2:

```
Input: nums = [6,5,4,4]
Output: true
```

Example 3:

```
Input: nums = [1,3,2]
Output: false
```



Код:

```
public class Solution
{
    public bool IsMonotonic(int[] nums)
    {
        bool increasing = true;
        bool decreasing = true;
```

```
        for (int i = 1; i < nums.Length; i++)
        {
            if (nums[i] > nums[i - 1])
            {
                decreasing = false;
            }
            if (nums[i] < nums[i - 1])
            {
                increasing = false;
            }
        }

        return increasing || decreasing;
    }
}
```