

Description

Solution

Discuss (999+)

Submissions

Java

Autocomplete

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## 896. Monotonic Array

Easy

1396

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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  $i \leq j$ ,  $nums[i] \leq nums[j]$ . An array `nums` is monotone decreasing if for all  $i \leq j$ ,  $nums[i] \geq nums[j]$ .

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:

```
1 class Solution {
2     public boolean isMonotonic(int[] nums) {
3
4         int length = nums.length;
5         boolean monotonicAscending = true;
6         boolean monotonicDescending = true;
7
8         for(int i = 0 ; i < length - 1; i++){
9             if(nums[i+1] < nums[i])
10                 monotonicAscending = false;
11             if(nums[i+1] > nums[i])
12                 monotonicDescending = false;
13         }
14
15         return monotonicAscending ||
16             monotonicDescending;
17     }
18 }
```

Testcase

Run Code Result

Debugger



Accepted

Runtime: 0 ms



Your input

[1,2,2,3]

Output

true



Diff

Expected

true

Problems

Pick One

&lt; Prev

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Next &gt;

Console

Use Example  
Testcases

Run Code

Submit