

Description

Solution

Discuss (999+)

Submissions

Java

Autocomplete

i

{ }

↶

⚙

⌵

896. Monotonic Array

Easy

1396

53

Add to List

Share

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

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

Testcase

Run Code Result

Debugger



Accepted

Runtime: 0 ms



Your input

[1,2,2,3]

Output

true



Diff

Expected

true

Problems

Pick One

< Prev

896/2199

Next >

Console

Use Example
Testcases

Run Code

Submit