5672. Check if Array Is Sorted and Rotated

My Submissions (/contest/weekly-contest-227/problems/check-if-array-is-sorted-and-rotated/submissions/) Back to Contest (/contest/weekly-contest-227/)

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Given an array `nums`, return `true` *if the array was originally sorted in non-decreasing order, then rotated* ***some*** *number of positions (including zero)*. Otherwise, return `false`.

There may be **duplicates** in the original array.

Note: An array `A` rotated by `x` positions results in an array `B` of the same length such that `A[i] == B[(i+x) % A.length]`, where `%` is the modulo operation.

Example 1:

```
Input: nums = [3,4,5,1,2]
Output: true
Explanation: [1,2,3,4,5] is the original sorted array.
You can rotate the array by x = 3 positions to begin on the the element of value 3: [3,4,5,1,2].
```

Example 2:

```
Input: nums = [2,1,3,4]
Output: false
Explanation: There is no sorted array once rotated that can make nums.
```

Example 3:

```
Input: nums = [1,2,3]
Output: true
Explanation: [1,2,3] is the original sorted array.
You can rotate the array by x = 0 positions (i.e. no rotation) to make nums.
```

Example 4:

```
Input: nums = [1,1,1]
Output: true
Explanation: [1,1,1] is the original sorted array.
You can rotate any number of positions to make nums.
```

Example 5:

```
Input: nums = [2,1]
Output: true
Explanation: [1,2] is the original sorted array.
You can rotate the array by x = 5 positions to begin on the element of value 2: [2,1].
```

Constraints:

- `1 <= nums.length <= 100`
- `1 <= nums[i] <= 100`

JavaScript

```
/**
 * @param {number[]} nums
 * @return {boolean}
 */
var check = function(nums) {

};
```