

Problem List

Description | Editorial | Solutions | Submissions

2229. Check if an Array Is Consecutive Premium

Easy | Topics | Companies | Hint

Given an integer array `nums`, return `true` if `nums` is *consecutive*, otherwise return `false`.

An array is **consecutive** if it contains every number in the range `[x, x + n - 1]` (**inclusive**), where `x` is the minimum number in the array and `n` is the length of the array.

Example 1:

Input: `nums = [1,3,4,2]`

Output: `true`

Explanation:

The minimum value is 1 and the length of `nums` is 4.

All of the values in the range `[x, x + n - 1] = [1, 1 + 4 - 1] = [1, 4] = (1, 2, 3, 4)` occur in `nums`.

Therefore, `nums` is consecutive.

Example 2:

Input: `nums = [1,3]`

Output: `false`

Explanation:

The minimum value is 1 and the length of `nums` is 2.

The value 2 in the range `[x, x + n - 1] = [1, 1 + 2 - 1] = [1, 2] = (1, 2)` does not occur in `nums`.

Therefore, `nums` is not consecutive.

Example 3:

Input: `nums = [3,5,4]`

Output: `true`

Explanation:

The minimum value is 3 and the length of `nums` is 3.

All of the values in the range `[x, x + n - 1] = [3, 3 + 3 - 1] = [3, 5] = (3, 4, 5)` occur in `nums`.

Therefore, `nums` is consecutive.

Constraints:

- `1 <= nums.length <= 105`
- `0 <= nums[i] <= 105`

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

Yes No

Accepted 5.6K | Submissions 9.1K | Acceptance Rate 61.3%

Topics | Companies | Hint 1 | Hint 2 | Similar Questions | Discussion (1)

Copyright © 2024 LeetCode All rights reserved

78 | 1 | | |

</> Code

Python3 | Auto

```
1 class Solution:
2     def isConsecutive(self, nums: List[int]) -> bool:
3
4         x = min(nums)
5
6         y = x + len(nums) - 1
7
8         nums = sorted(nums)
9
10        index = 0
11        for i in range(x, y+1):
12            if i != nums[index]:
13                return False
14
15            index += 1
16
17        return True
18
```

Ln 7, Col 1

Testcase | Test Result

Accepted Runtime: 79 ms

Case 1 | Case 2 | Case 3

Input

nums = [1,3,4,2]

Output

true

Expected

true

Contribute a testcase