

Problem List

DescriptionEditorialSolutionsSubmissions

2774. Array Upper BoundPremium

Solved

EasyHint

Write code that enhances all arrays such that you can call the upperBound() method on any array and it will return the last index of a given target number. nums is a sorted ascending array of numbers that may contain duplicates. If the target number is not found in the array, return -1.

Example 1:

Input: nums = [3,4,5], target = 5
Output: 2
Explanation: Last index of target value is 2

Example 2:

Input: nums = [1,4,5], target = 2
Output: -1
Explanation: Because there is no digit 2 in the array, return -1.

Example 3:

Input: nums = [3,4,6,6,6,6,7], target = 6
Output: 5
Explanation: Last index of target value is 5

Constraints:

1 <= nums.length <= 10⁴

-10⁴ <= nums[i], target <= 10⁴

nums is sorted in ascending order.

Follow up:

Can you write an algorithm with O(log n) runtime complexity?

Seen this question in a real interview before?

1/5

Yes

No

Accepted1.1KSubmissions1.4KAcceptance Rate81.8%

Hint 1

Hint 2

Hint 3

Similar Questions

Discussion (1)

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</> Code

TypeScriptAuto

```
1 declare global {
2   interface Array<T> {
3     upperBound(target: number): number;
4   }
5 }
6
7 Array.prototype.upperBound = function(target): number {
8
9   for (let i = this.length - 1; i > -1; i--) {
10     if (this[i] === target) {
11       return i;
12     }
13   }
14
15   return -1;
16
17 };
18
19 // [3,4,5].upperBound(5); // 2
20 // [1,4,5].upperBound(2); // -1
21 // [3,4,6,6,6,6,7].upperBound(6) // 5
```

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TestcaseTest Result

Case 1Case 2Case 3+

[3,4,5]

5

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