

Description

Solution

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Submissions

162. Find Peak Element

Medium

2031

2236

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A peak element is an element that is greater than its neighbors.

Given an input array `nums` , where `nums[i] ≠ nums[i+1]` , find a peak element and return its index.

The array may contain multiple peaks, in that case return the index to any one of the peaks is fine.

You may imagine that `nums[-1] = nums[n] = -∞` .

Example 1:

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

Output: `2`

Explanation: 3 is a peak element and your function should return the index number 2.

Example 2:

Input: `nums = [1,2,1,3,5,6,4]`

Output: 1 or 5

Explanation: Your function can return either index number 1 where the peak element is 2,

or index number 5 where the peak element is 6.

Follow up: Your solution should be in logarithmic complexity.

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Seen this question in a real interview before?

Yes

No

Companies

JavaAutocomplete

1

2

3

4

5

```
class Solution {
    public int findPeakElement(int[] nums) {

    }
}
```