

34. Find First and Last Position of Element in Sorted Array

Medium  Topics  Companies

Given an array of integers `nums` sorted in non-decreasing order, find the starting and ending position of a given `target` value.

If `target` is not found in the array, return `[-1, -1]`.

You must write an algorithm with $O(\log n)$ runtime complexity.

Example 1:

Input: `nums = [5,7,7,8,8,10], target = 8`
Output: `[3,4]`

Example 2:

Input: `nums = [5,7,7,8,8,10], target = 6`
Output: `[-1,-1]`

Example 3:

Input: `nums = [], target = 0`
Output: `[-1,-1]`

Constraints:

- $0 \leq \text{nums.length} \leq 10^5$
- $-10^9 \leq \text{nums}[i] \leq 10^9$
- `nums` is a non-decreasing array.
- $-10^9 \leq \text{target} \leq 10^9$

Seen this question in a real interview before? 1/4

Yes No

Accepted 1.9M Submissions 4.4M Acceptance Rate 43.9%

 Topics

 Companies

 Similar Questions

 Discussion (149)