

Leet Code

Day-20 Q-04 Find First and Last Position of Element in Sorted Array

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

Your algorithm's runtime complexity must be in the order of $O(\log n)$.

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

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]`

Constraints:

- `0 <= nums.length <= 10^5`
- `-10^9 <= nums[i] <= 10^9`
- `nums` is a non decreasing array.
- `-10^9 <= target <= 10^9`