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 <= nums.length <= 105
* -109 <= nums[i] <= 109
* nums is a non-decreasing array.
* -109 <= target <= 109