Prompt   Scratchpad   Our Solution(s)   Video Explanation   Run Code

Solution 1   Solution 2

```javascript
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// O(log(n)) time | O(log(n)) space
function searchForRange(array, target) {
  const finalRange = [-1, -1];
  alteredBinarySearch(array, target, 0, array.length - 1, finalRange, true);
  alteredBinarySearch(array, target, 0, array.length - 1, finalRange, false);
  return finalRange;
}

function alteredBinarySearch(array, target, left, right, finalRange, goLeft) {
  if (left > right) return;
  const mid = Math.floor((left + right) / 2);
  if (array[mid] < target) {
    alteredBinarySearch(array, target, mid + 1, right, finalRange, goLeft);
  } else if (array[mid] > target) {
    alteredBinarySearch(array, target, left, mid - 1, finalRange, goLeft);
  } else {
    if (goLeft) {
      if (mid === 0 || array[mid - 1] !== target) {
        finalRange[0] = mid;
      } else {
        alteredBinarySearch(array, target, left, mid - 1, finalRange, goLeft);
      }
    } else {
      if (mid === array.length - 1 || array[mid + 1] !== target) {
        finalRange[1] = mid;
      } else {
        alteredBinarySearch(array, target, mid + 1, right, finalRange, goLeft);
      }
    }
  }
}

exports.searchForRange = searchForRange;
```