AlgoExpert Quad Layout JavaScript 12px Sublime Monokai 00:00:00

Prompt Scratchpad Our Solution(s) Video Explanation Run Code

Solution 1 Solution 2

```
1\, // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
 3 // O(log(n)) time | O(log(n)) space
 4 function shiftedBinarySearch(array, target) {
    return shiftedBinarySearchHelper(array, target, 0, array.length - 1);
8 function shiftedBinarySearchHelper(array, target, left, right) {
9
   if (left > right) return -1;
10 const middle = Math.floor((left + right) / 2);
    const potentialMatch = array[middle];
11
     const leftNum = array[left];
13
     const rightNum = array[right];
     if (target === potentialMatch) {
14
       return middle;
15
      } else if (leftNum <= potentialMatch) {</pre>
16
       if (target < potentialMatch && target >= leftNum) {
17
18
        return shiftedBinarySearchHelper(array, target, left, middle - 1);
19
20
         return shiftedBinarySearchHelper(array, target, middle + 1, right);
21
22
      } else {
23
       if (target > potentialMatch && target <= rightNum) {</pre>
24
         return shiftedBinarySearchHelper(array, target, middle + 1, right);
25
26
         return shiftedBinarySearchHelper(array, target, left, middle - 1);
27
28
29 }
30
31 exports.shiftedBinarySearch = shiftedBinarySearch;
```