AlgoExpert Quad Layout C# 12px Sublime Monokai 00:00:00

Prompt Scratchpad Our Solution(s) Video Explanation Run Code

Solution 1 Solution 2

33 }

```
1\, // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
 3 public class Program {
    // O(log(n)) time | O(1) space
     public static int ShiftedBinarySearch(int[] array, int target) {
       return ShiftedBinarySearch(array, target, 0, array.Length - 1);
 8
      public static int ShiftedBinarySearch(int[] array, int target, int left, int right) {
9
10
       while (left <= right) {</pre>
11
         int middle = (left + right) / 2;
          int potentialMatch = array[middle];
12
         int leftNum = array[left];
13
         int rightNum = array[right];
14
15
          if (target == potentialMatch) {
16
           return middle;
17
         } else if (leftNum <= potentialMatch) {</pre>
18
           if (target < potentialMatch && target >= leftNum) {
             right = middle - 1;
19
20
           } else {
21
             left = middle + 1;
22
23
           if (target > potentialMatch && target <= rightNum) {</pre>
24
25
             left = middle + 1;
26
           } else {
             right = middle - 1;
27
28
29
30
31
       return -1;
32
```