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

 Prompt
 Scratchpad
 Our Solution(s)
 Video Explanation

Run Code

```
{\tt 1} {\tt //} Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
3 class Program {
       // O(log(n)) time | O(log(n)) space
       func shiftedBinarySearch(_ array: [Int], _ target: Int) -> Int {
           return shiftedBinarySearchHelper(array, target, 0, array.count - 1)
       9
           if leftPointer > rightPointer {
10
               return -1
11
12
13
           let middle = (leftPointer + rightPointer) / 2
14
15
           let potentialMatch = array[middle]
16
           let leftNumber = array[leftPointer]
17
           let rightNumber = array[rightPointer]
18
           if target == potentialMatch {
19
20
              return middle
21
           } else if leftNumber < potentialMatch {</pre>
              if target < potentialMatch, target >= leftNumber {
    return shiftedBinarySearchHelper(array, target, leftPointer, middle - 1)
22
23
24
               } else {
25
                  return shiftedBinarySearchHelper(array, target, middle + 1, rightPointer)
26
27
           } else {
28
               if target <= rightNumber, target > potentialMatch {
29
                  return shiftedBinarySearchHelper(array, target, middle + 1, rightPointer)
30
               } else {
31
                   \textbf{return} \ \textbf{shiftedBinarySearchHelper(array, target, leftPointer, middle - 1)} \\
32
33
35 }
```

Solution 1 Solution 2

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