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

 Prompt
 Scratchpad
 Our Solution(s)
 Video Explanation

Run Code

```
_{\rm 1} \, // Copyright 0 2020 AlgoExpert, LLC. All rights reserved.
    class Program {
        // O(log(n)) time | O(1) space
        func \ shifted Binary Search(\_ array: [Int], \_ target: Int) \ -> \ Int \ \{
           var leftPointer = 0
           var rightPointer = array.count - 1
           return shiftedBinarySearchHelper(array, target, &leftPointer, &rightPointer)
9
10
11
12
        13
           while leftPointer <= rightPointer {</pre>
14
               let middle = (leftPointer + rightPointer) / 2
15
               let potentialMatch = array[middle]
               let leftNumber = array[leftPointer]
let rightNumber = array[rightPointer]
16
17
18
               if target == potentialMatch {
19
20
                  return middle
21
               } else if leftNumber < potentialMatch {</pre>
22
                  if target < potentialMatch, target >= leftNumber {
                     rightPointer = middle - 1
24
                   } else {
25
                      leftPointer = middle + 1
26
27
               } else {
28
                  if target <= rightNumber, target > potentialMatch {
29
                     leftPointer = middle + 1
                   } else {
31
                      rightPointer = middle - 1
32
33
35
           return -1
36
37
38 }
```

Solution 1 Solution 2