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

Prompt Run Code

Solution 1

```
Scratchpad
              Our Solution(s)
```

Video Explanation

```
1\, // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
         class Program {
                     // O(n) time | O(1) space
                     func subarraySort(array: [Int]) -> [Int] {
                               var minimumOutOfOrder = Int(Int16.max)
                               var maximumOutOfOrder = -Int(Int16.max)
   8
                               for i in 0 ... array.count \{
  9
10
                                          let currentNumber = array[i]
11
                                          if isOutOfOrder(i, array, currentNumber) {
12
                                                    minimumOutOfOrder = min(currentNumber, minimumOutOfOrder)
13
14
                                                     maximumOutOfOrder = max(currentNumber, maximumOutOfOrder)
15
16
17
                               if minimumOutOfOrder == Int(Int16.max) {
18
19
                                         return [-1, -1]
20
21
22
                               var subarrayLeftIndex = 0
23
                               while minimumOutOfOrder >= array[subarrayLeftIndex] {
                                         subarrayLeftIndex += 1
24
25
26
27
                               var subarrayRightIndex = array.count - 1
28
                               while maximumOutOfOrder <= array[subarrayRightIndex] {</pre>
29
                                          subarrayRightIndex -= 1
30
31
32
                               return [subarrayLeftIndex, subarrayRightIndex]
33
34
35
                     \label{func} \mbox{func isOutOfOrder($\_$i: Int, $\_$ array: [Int], $\_$ currentNumber: Int) -> Bool \ \{ \mbox{} \mbox{
36
                               if i == 0 {
37
                                         return currentNumber > array[i + 1]
                               } else if i == array.count - 1 {
38
                                         return currentNumber < array[i - 1]</pre>
39
40
                               } else {
                                          41
42
```