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

Prompt Scratchpad Our Solution(s) Video Explanation Run Code

Solution 1

52 }

```
1\, // Copyright @ 2020 AlgoExpert, LLC. All rights reserved.
   package main
 5 import "math"
 7 // O(n) time | O(1) space
 8 func SubarraySort(array []int) []int {
    minOutOfOrder, maxOutOfOrder := math.MaxInt32, math.MinInt32
     for i, num := range array {
       if isOutOfOrder(i, num, array) {
11
12
         minOutOfOrder = min(minOutOfOrder, num)
13
         maxOutOfOrder = max(maxOutOfOrder, num)
14
15
16
      if minOutOfOrder == math.MaxInt32 {
17
       return []int{-1, -1}
18
     subarrayLeft := 0
19
      for minOutOfOrder >= array[subarrayLeft] {
20
21
       subarrayLeft += 1
22
23
      subarrayRight := len(array) - 1
24
      for maxOutOfOrder <= array[subarrayRight] {</pre>
25
       subarrayRight -= 1
26
27
     return []int{subarrayLeft, subarrayRight}
28
29
30 func isOutOfOrder(i int, num int, array []int) bool {
31
32
       return num > array[i+1]
33
34
      if i == len(array)-1 {
35
      return num < array[i-1]</pre>
36
     return num > array[i+1] || num < array[i-1]</pre>
37
38 }
39
40 func min(a, b int) int {
41
    if a < b {
      return a
43
44
     return b
45 }
46
47 func max(a, b int) int {
    if a < b {
48
       return b
49
50
51
    return a
```