AlgoExpert

Solution 1

33 }

and processing the same of the processing to

Quad Layout

Swift

Sublime

Monokai

00:00:

Run Code

Our Solution(s) Run

```
Run Code
```

Your Solutions

14рх

Solution 1 Solution 2 Solution 3

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   class Program {
       class LinkedList {
           var value: Int
           var next: LinkedList?
           init(value: Int) {
9
               self.value = value
                                                                              9
10
               next = nil
                                                                             10
11
                                                                             11
12
                                                                             12
13
                                                                             13
14
       // O(n) time | O(1) space
                                                                             14
15
        func findLoop(head: LinkedList) -> LinkedList? {
           var firstPointer = head.next
16
                                                                             16
17
           var secondPointer = head.next?.next
18
                                                                             18
19
           while firstPointer !== secondPointer {
20
               firstPointer = firstPointer?.next
21
                secondPointer = secondPointer?.next?.next
           firstPointer = head
26
           while firstPointer !== secondPointer {
27
               firstPointer = firstPointer?.next
28
                secondPointer = secondPointer?.next
29
30
31
           return firstPointer
32
```

```
class Program {
    // This is an input class. Do not edit.
    class LinkedList {
        var value: Int
        var next: LinkedList?

    init(value: Int) {
        self.value = value
            next = nil
        }

func findLoop(head: LinkedList) -> LinkedList? {
        // Write your code here.
        return nil
    }
}
```

 Our Tests
 Custom Output
 Submit Code



Run or submit code when you're ready.