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.
 3 class Program {
        class LinkedList {
            var value: Int
            var next: LinkedList?
             init(value: Int) {
9
                 self.value = value
10
11
12
13
         // O(n + m) time | O(1) space - where n is the number of nodes in the first
14
         // Linked List and m is the number of nodes in the second Linked List
15
         func mergeLinkedLists(_ headOne: LinkedList, _ headTwo: LinkedList) -> LinkedList {
16
             recursiveMerge(headOne, headTwo, nil)
17
             if headOne.value < headTwo.value {</pre>
                 return headOne
18
19
20
             return headTwo
21
22
23
24
         \begin{tabular}{ll} func & recursive Merge ($\_$ p1: LinkedList?, $\_$ p2: LinkedList?, $\_$ p1Prev: LinkedList?) \end{tabular} \label{table}
            if p1 == nil {
25
                 p1Prev!.next = p2
26
                 return
27
28
29
30
             if p2 == nil {
                 return
31
32
33
             if p1!.value < p2!.value {</pre>
                 recursiveMerge(p1!.next, p2, p1)
35
                 return
36
37
38
             if p1Prev != nil {
                 p1Prev!.next = p2
39
40
41
42
            let newP2 = p2!.next
43
            p2!.next = p1
44
             recursiveMerge(p1, newP2, p2)
45
```

Solution 1 Solution 2

46 } 47