

Solution 1

```
1  # Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3  class LinkedList:
4      def __init__(self, value):
5          self.value = value
6          self.next = None
7
8
9  # O(n) time | O(1) space
10 def findLoop(head):
11     first = head.next
12     second = head.next.next
13     while first != second:
14         first = first.next
15         second = second.next.next
16     first = head
17     while first != second:
18         first = first.next
19         second = second.next
20     return first
21
```