HalghListavi

October 25, 2022

1 Tell if L and M (two circularly linkedlists) contain the same data

Store the first head

```
first_head = M.head
second_head = None
```

Let's find the second's head

```
for node in L:
    if node.data == first_head.data:
        # head is found
        second_head = node
        break
```

If nothing is found (second_head is None,) return False

```
if second_head is None:
    return False
```

Store the data in two arrays and compare the arrays :)

```
first_data = M.get_all_data()  # it will iterate through that linkedlist and stores all data i
second_data = []
second_data.append(second_head.data)
```

Let's add the remaining data of "L" in "second_data"

```
next_node = second_head.next_item
while next_node.next_item != second_head:  # it is a circularly linkedlist
    second_data.append(next_node.data)
    next_node = next_node.next_item
```

Now compare the two arrays =)

```
return first_data == second_data
```