

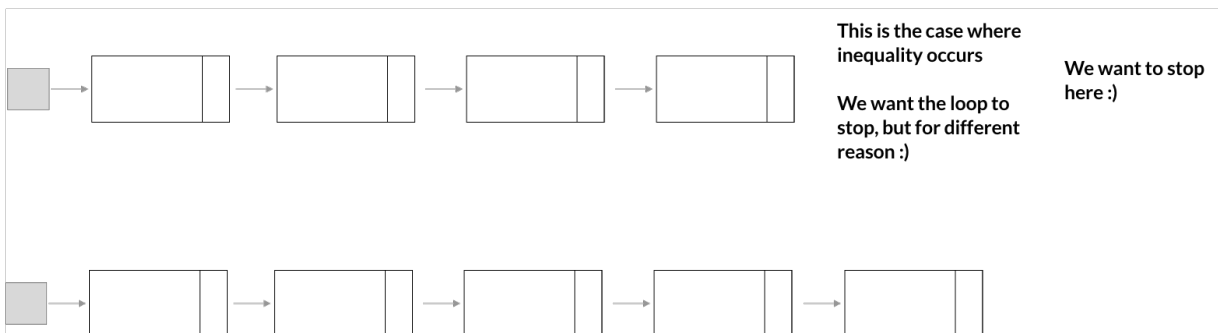
# CSC148 Worksheet 13 Solution

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## Question 1

- a. The following diagram tells us the stopping condition occurs when both *curr1* and *curr2* is *None*.



Using this fact, the python expression involving *curr1* and *curr2* that expresses the stopping condition is

```
1 (curr1 is not None) and (curr2 is not None)
2
```

- b. Python expression for the while loop condition is

```
1 while (curr1 is not None) and (curr2 is not None):
2     ...
3
```

- c. The code for traversing two list is

```
1 while (curr1 is not None) and (curr2 is not None):
2     if curr1 is None or curr2 is None:
3         return False
4
5     if curr1.item != curr2.item:
6         return False
7
8     curr1 = curr1.next
9     curr2 = curr2.next
10
```

- d. After the loop ends, we know all items in `curr1` and `curr2` are identical.

## Question 2