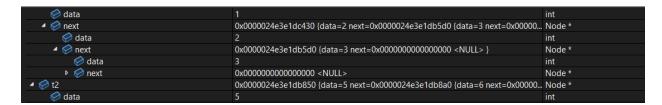
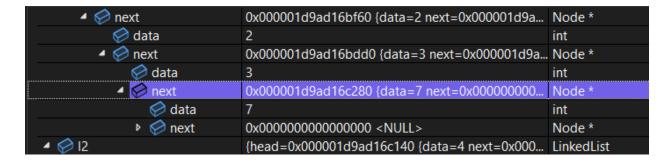
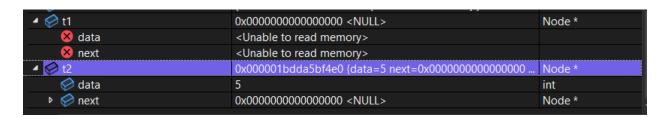
1. On line 41 I change the if (t1 == nullptr) to if (t1 != nullptr)



2. On line 40, replace the && in the while loop with ||: while (t1 != nullptr || t2 != nullptr)



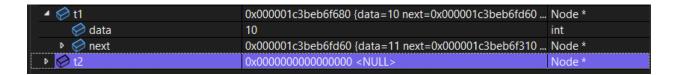
3. Line 40 change fixes the issue found in test case 3, as the or checks that both lines are equal to each other



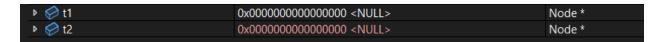
4. The change to line 40 works the same here, as the change to comparing the size to saying if either of the lists are full runs the program to completion

▶ 🔗 t1	0x0000000000000000 <null></null>	Node *
4 ⊘ t2	0x00000157f42fedd0 {data=7 next=0x00000157f42ffb90 {d	Node *
🥏 data	7	int
▶ 🔗 next	0x00000157f42ffb90 {data=8 next=0x00000157f42ff960 {da	Node *

5. The change to line 40 fixes the second list being empty because the program will run until the end until the lists are at the end



6. This works with both the && and || functions, as both return nothing when the list is empty



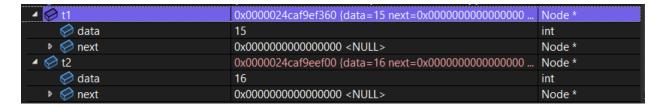
7. The || function fixes the issue with only one element in 11, and only one element will not make a change to the operations of the function



8. The || function fixes the issue with only one element in 12, and only one element will not make a change to the operations of the function



9. The || function does the same thing as the && function, and the && function works here so the program complies in every scenario



10. This is the same scenario as test 2. Using || works here as well

▶ ⊘ t1	0x0000024caf9ef270 {data=7 next=0x0000000000000000000000000000000000	Node *
▶ 🔗 t2	0x0000000000000000 <null></null>	Node *

Changed Code Below:

```
LinkedList interweave(LinkedList& 11, LinkedList& 12) {
    LinkedList result;
    Node* t1 = 11.head;
    Node* t2 = 12.head;
    while (t1 != nullptr || t2 != nullptr) {
        if (t1 != nullptr) {
            result.append(t1->data);
            t1 = t1->next;
        }
        if (t2 != nullptr) {
            result.append(t2->data);
            t2 = t2->next;
        }
    }
    return result;
}
```