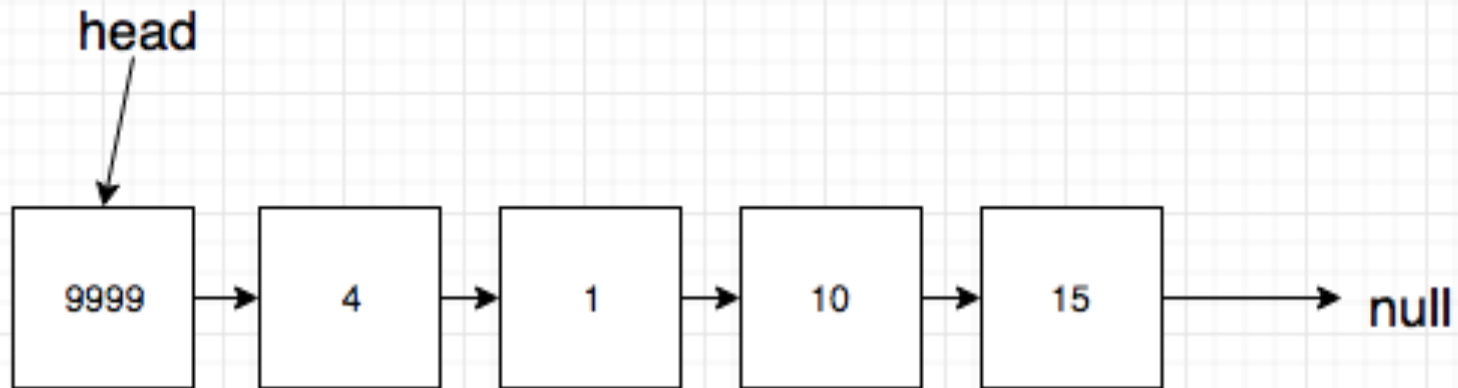
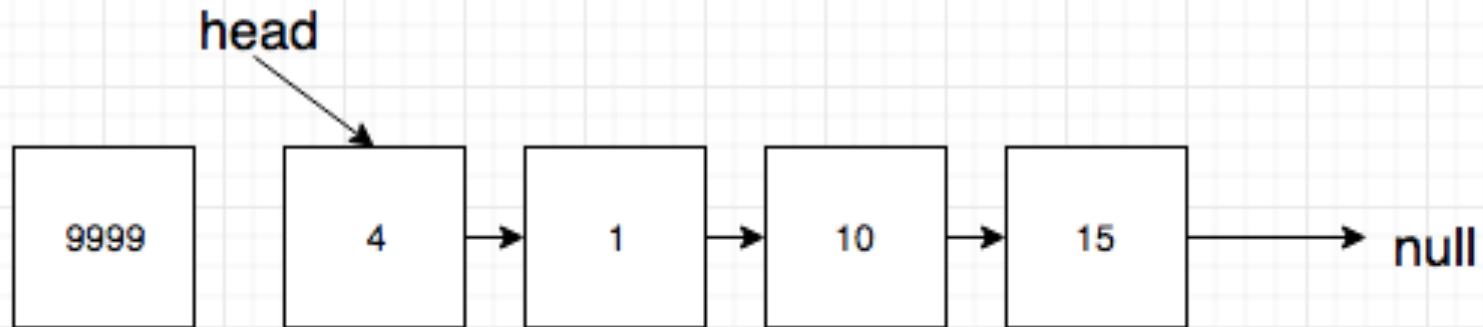


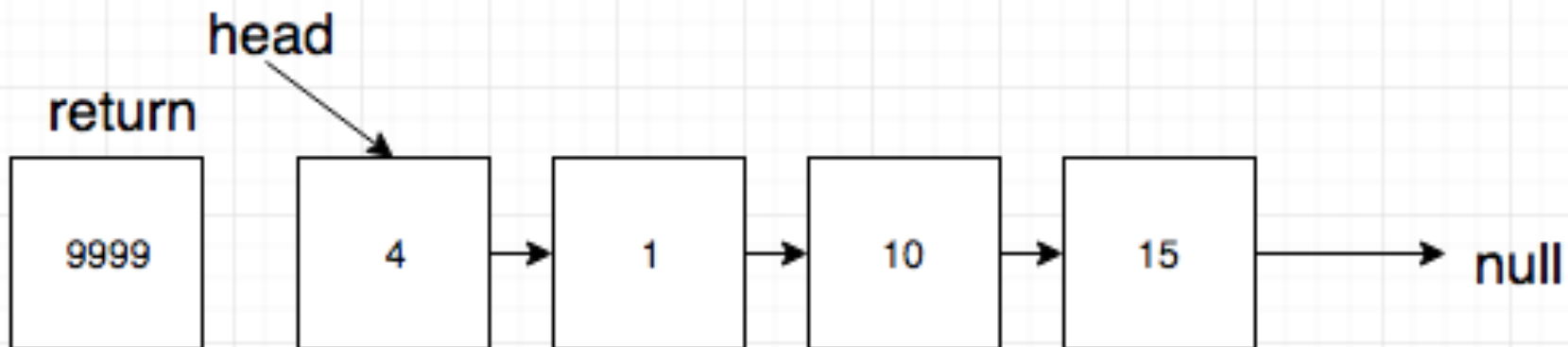
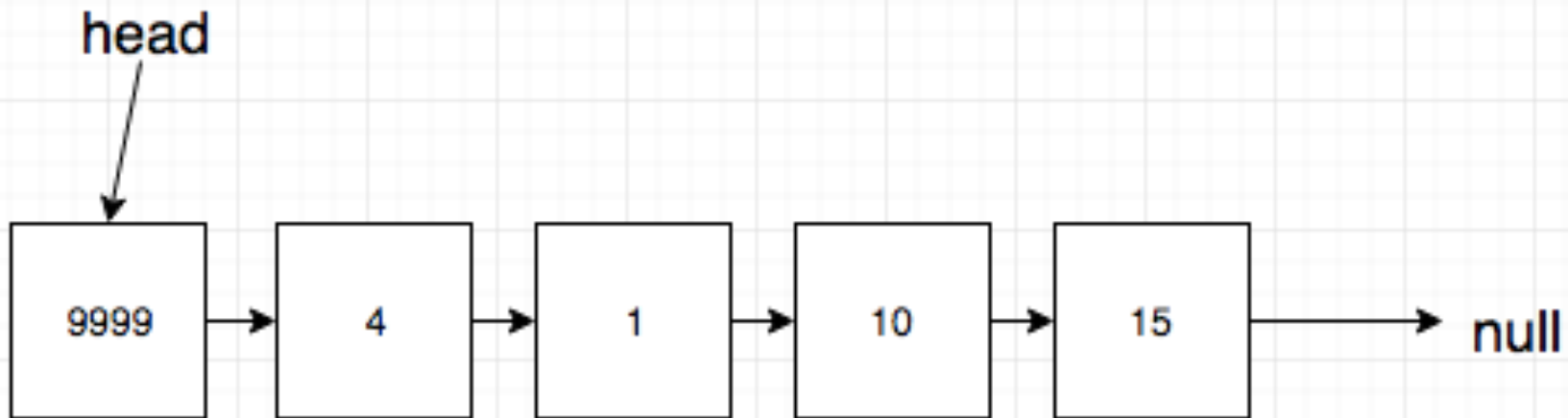
Recitation 7 Linked Lists

2018.03.15

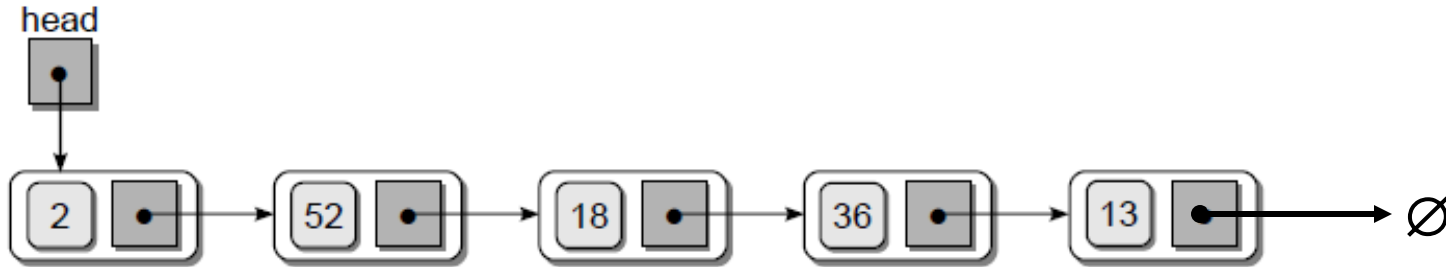
Question 1, push(9999)



Question 1, pop()

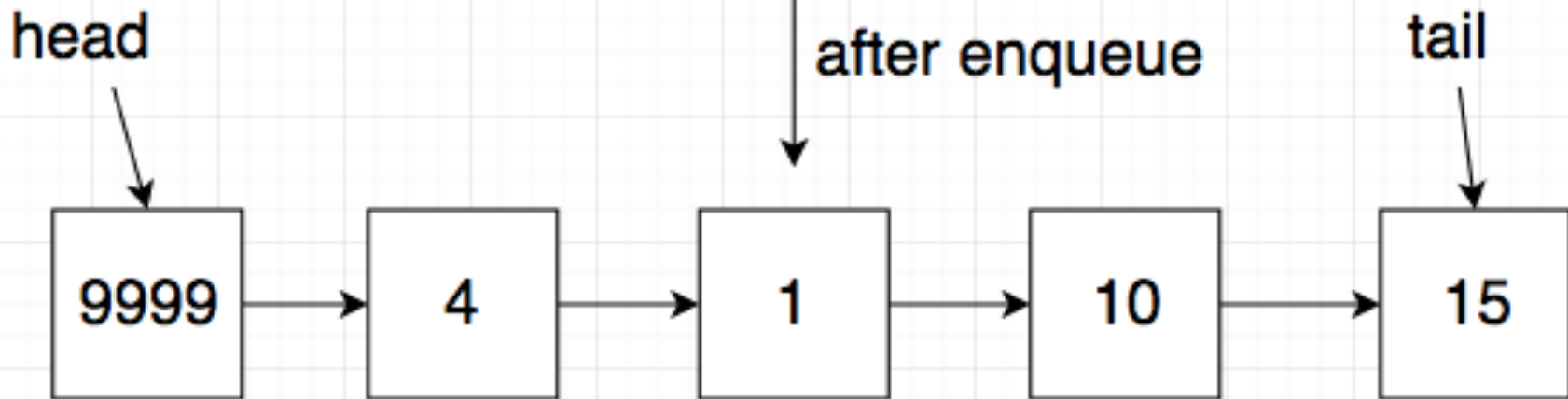
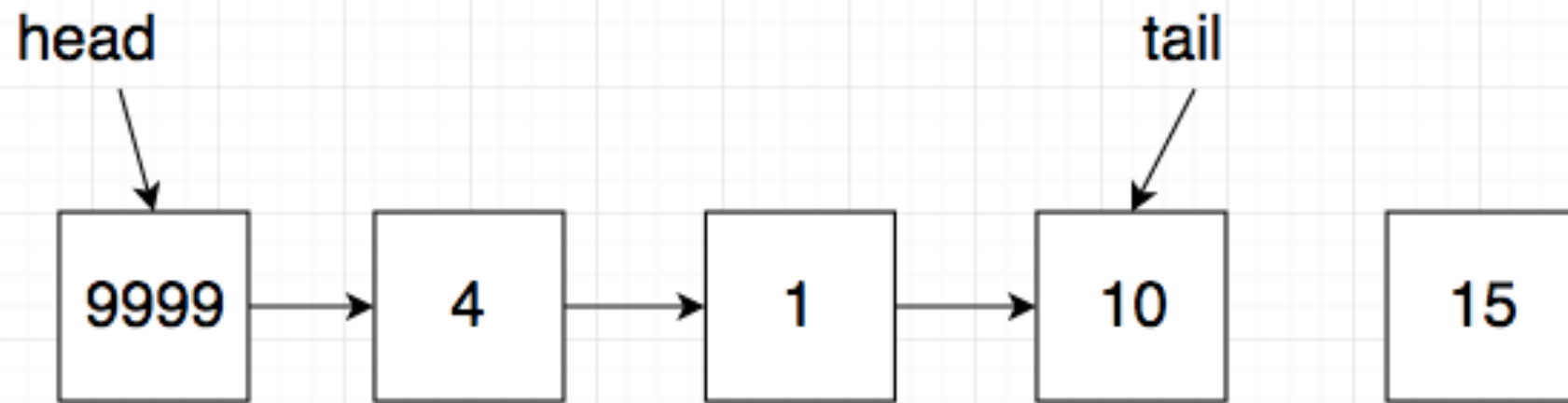


Question 1, unorderedSearch(target)

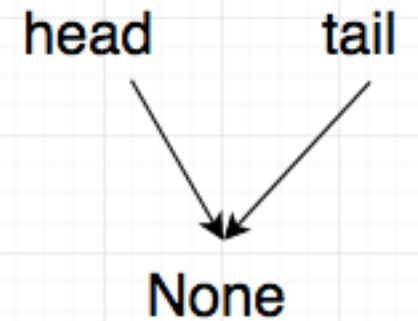


```
def unorderedSearch( head, target ):
    curNode = head
    while curNode is not None and curNode.data != target:
        curNode = curNode.next
    return curNode is not None
```

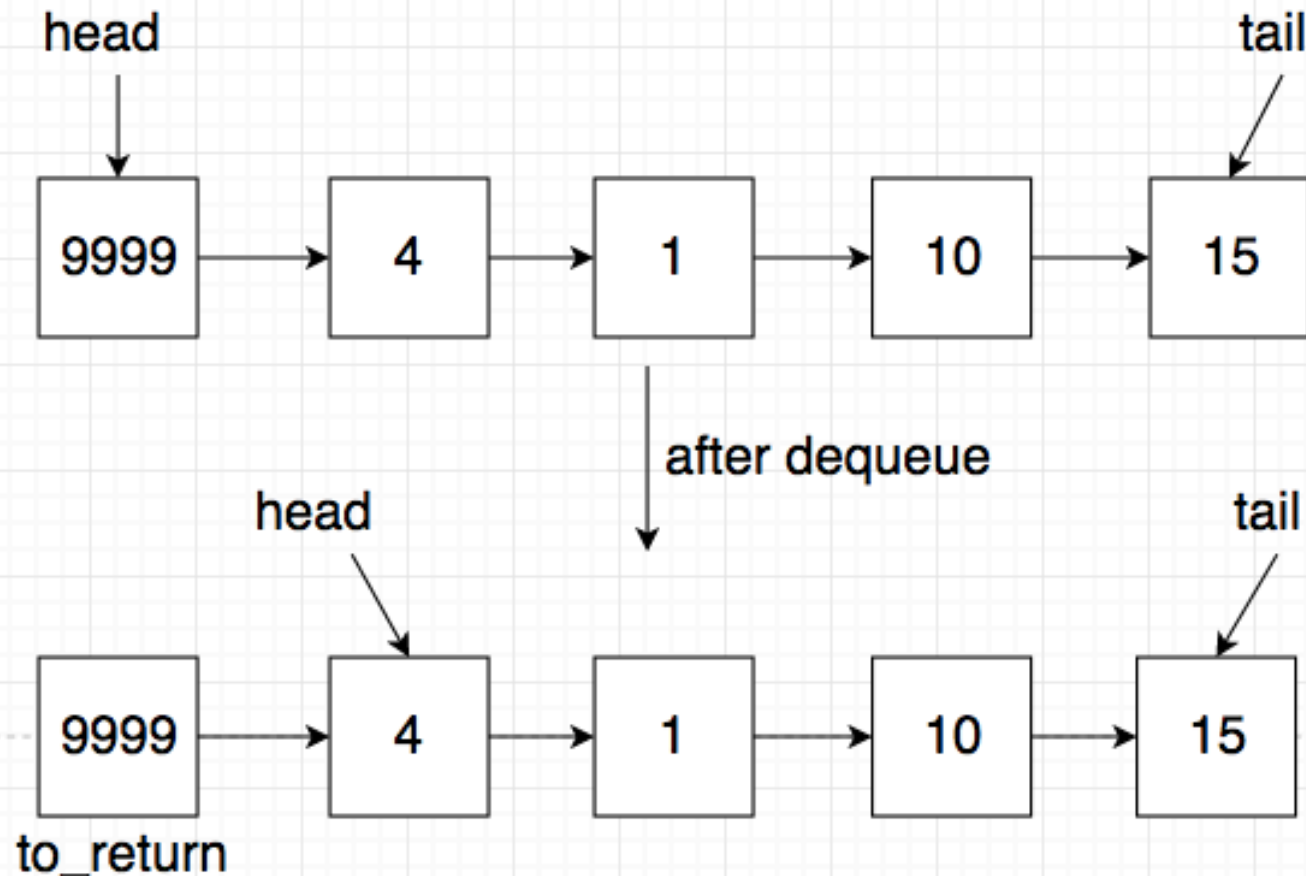
Question 2, enqueue(15)



Special case: Empty list
Remember to modify head!

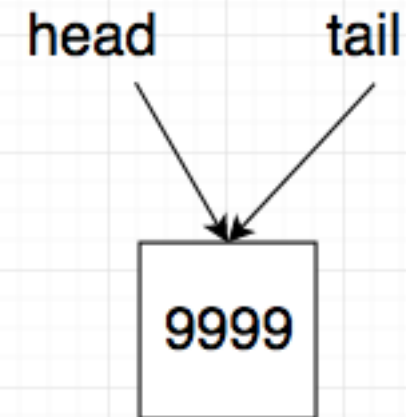


Question 2, dequeue()

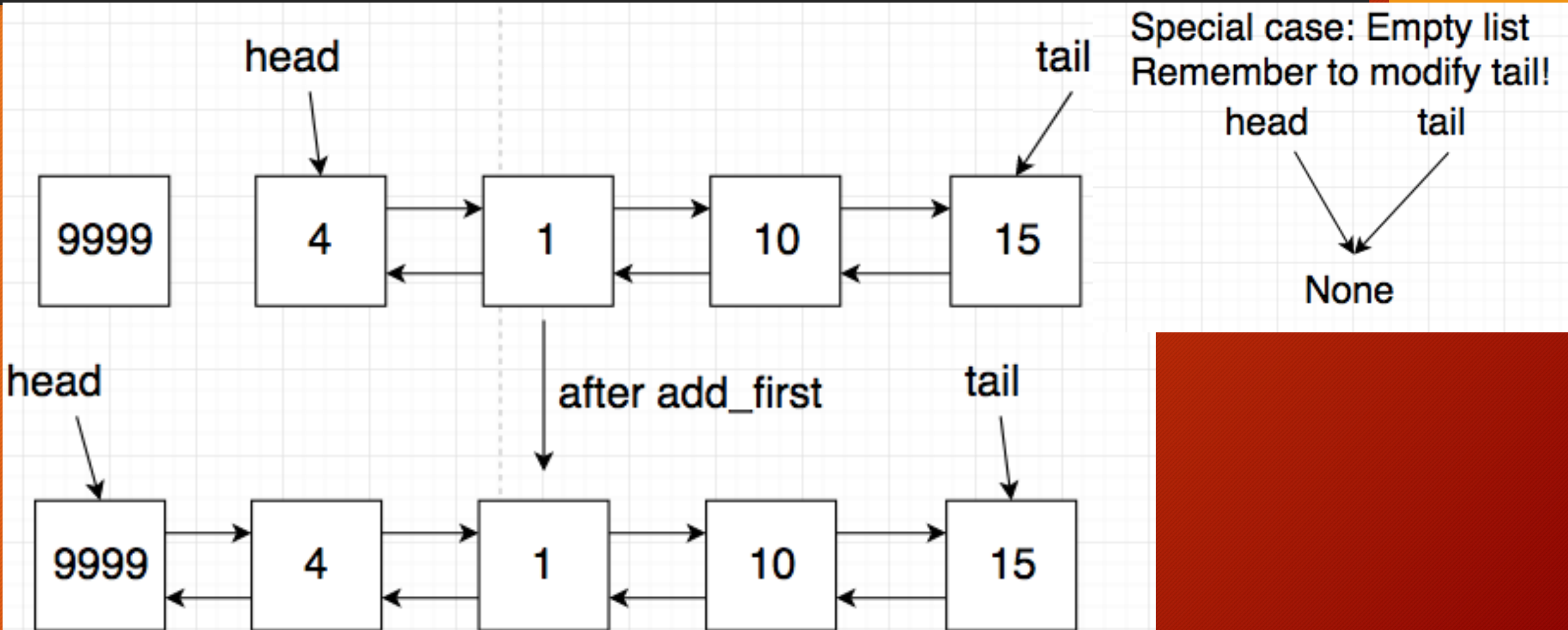


Why we don't need to remove 9999's next linkage?

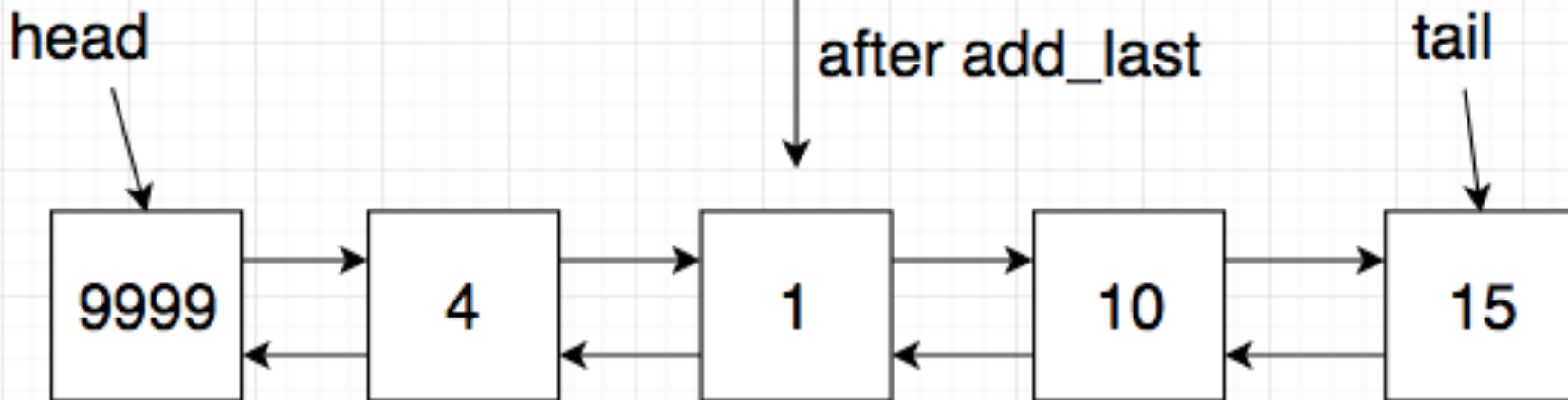
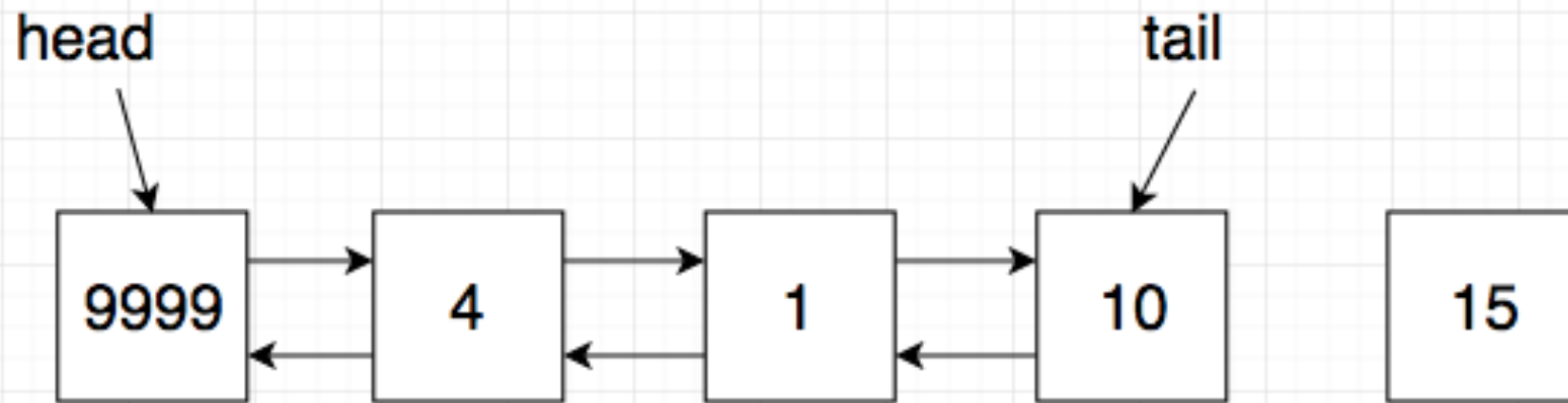
Special case: only one left.
Remember to modify tail!



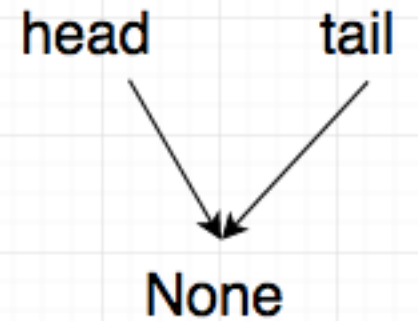
Question 3 add_first(9999)



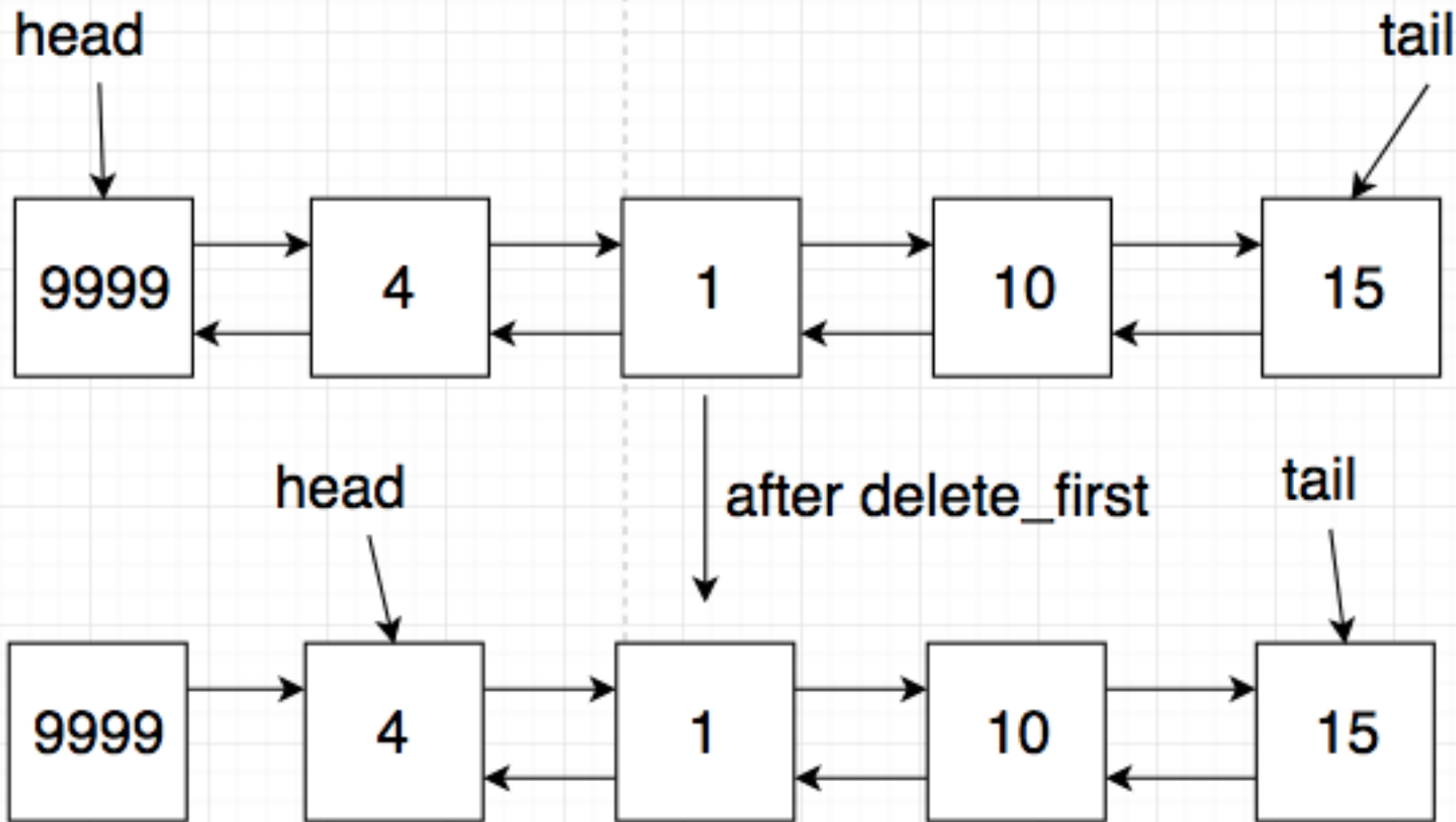
Question 3 add_last(15)



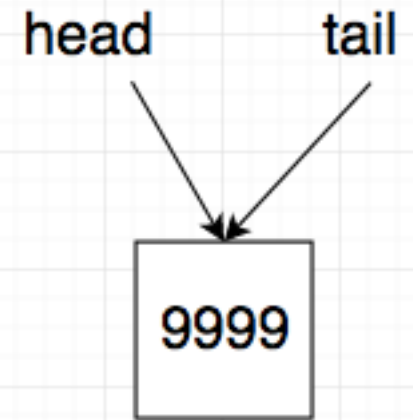
Special case: Empty list
Remember to modify head!



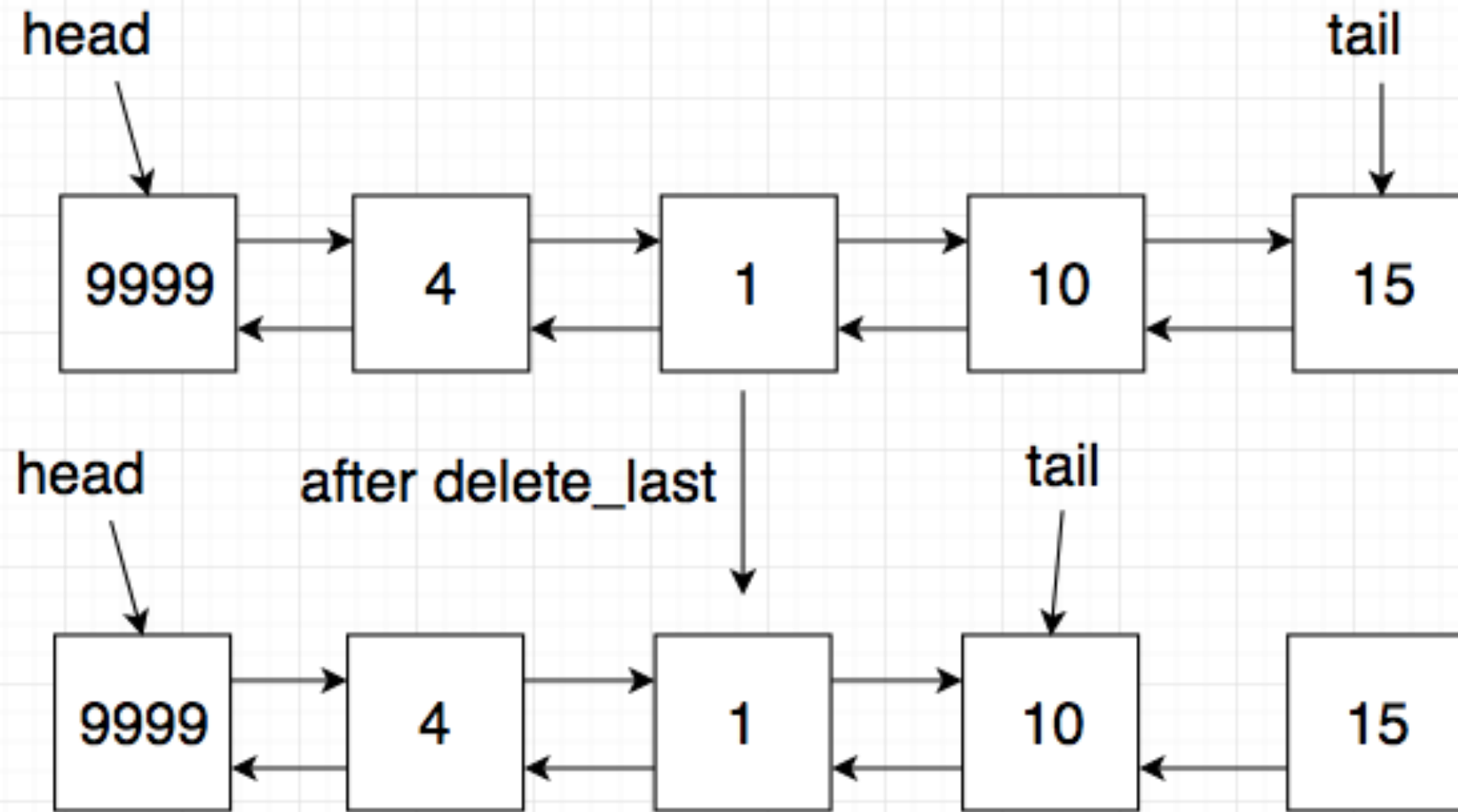
Question 3 delete_first()



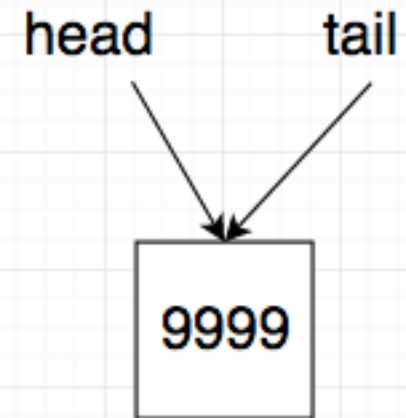
Special case: only one left.
Remember to modify tail!



Question 3 delete_last()



Special case: only one left.
Remember to modify head!



Question 4 merge(other)

