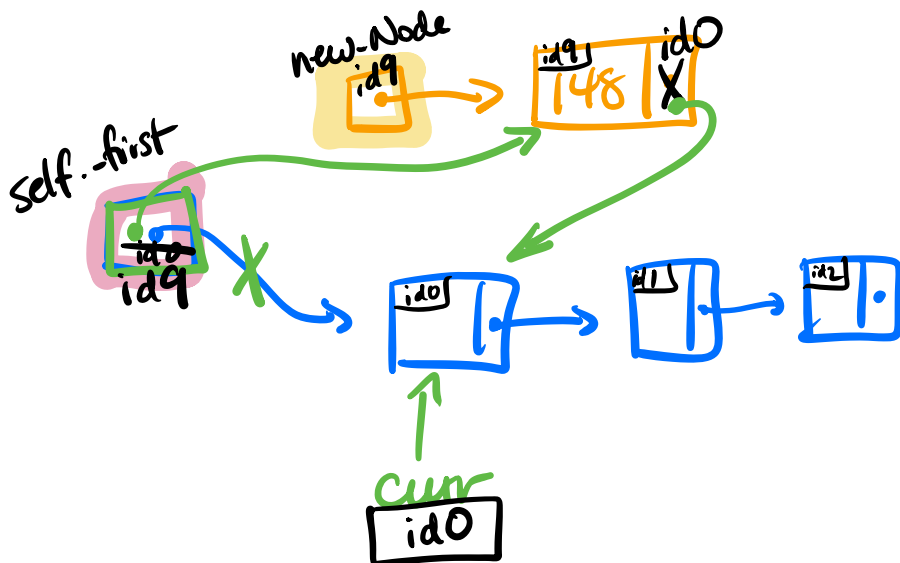


After class we also reviewed this piece of the insert method:

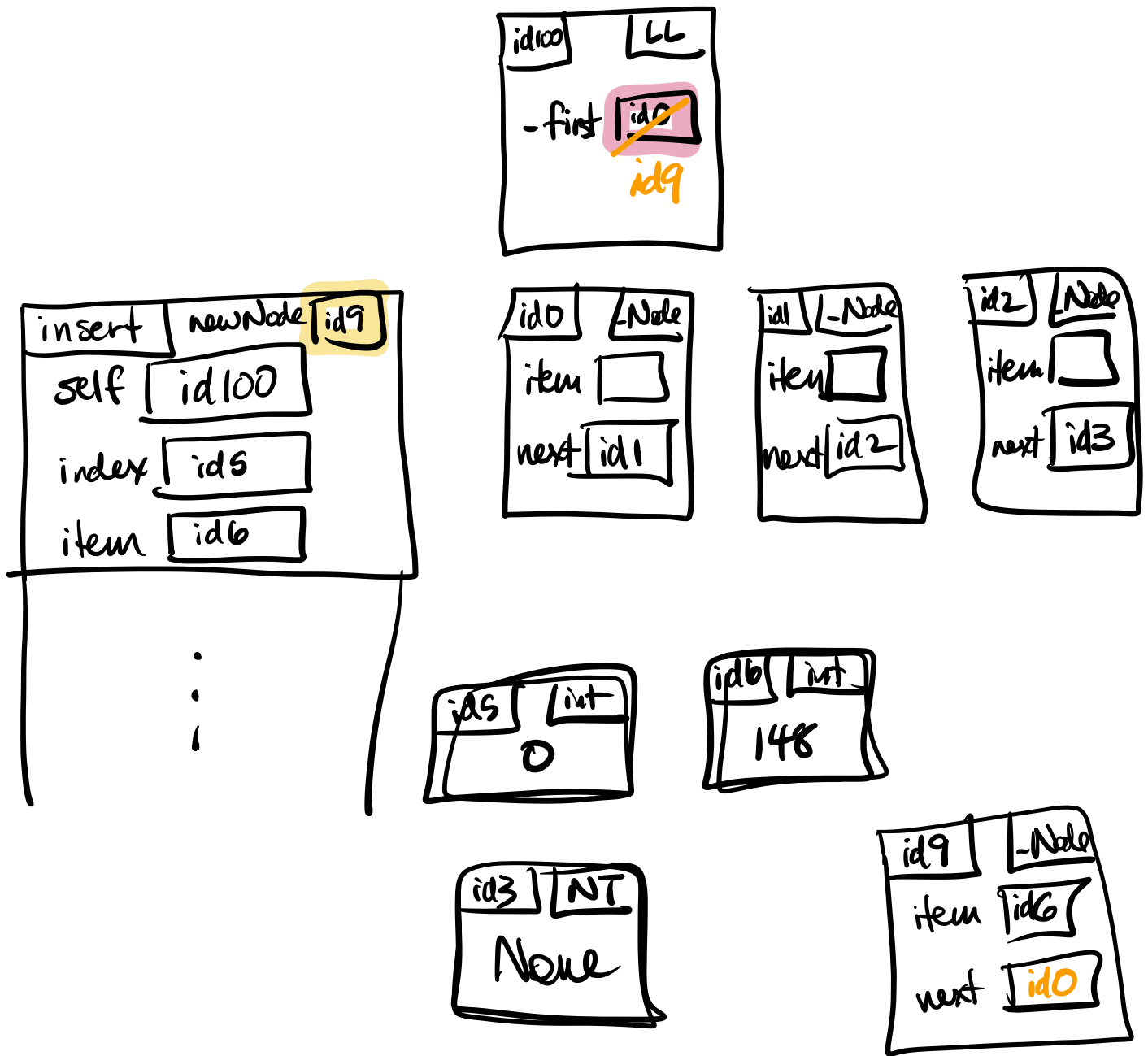
```
curr = s[-1].first  
i = 0  
while  
    if index == 0:  
        self.first = new-Node  
        new-node.next = curr  
    :
```

We started out with an abstract drawing, but when anything was confusing, it was helpful to remember that all those arrows are just IPs



index = 0
i = 0

Eventually we drew (scribbled!) the full memory model diagram, including the call stack.



One thing really jumped out

- self.-first (see the pink highlight in both diagrams) is an instance attribute inside a LL.
- new-node (see the yellow highlight in both diagrams) is a variable in the stack frame.

They both have type -Node, but they exist in very different contexts.

It's important to know that, despite the fact that they look the same in the abstract drawing.



TIP: Until you feel really solid with linked lists, draw the detailed version.