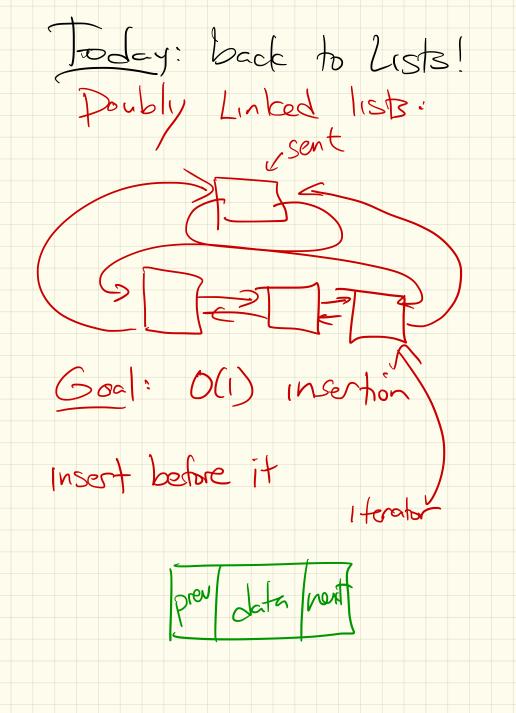
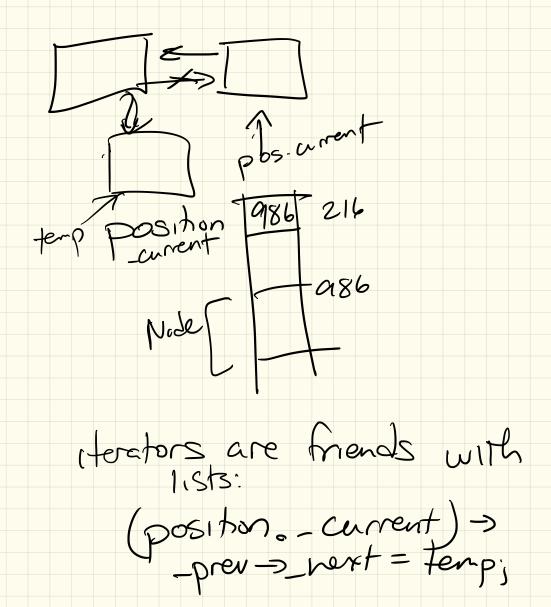


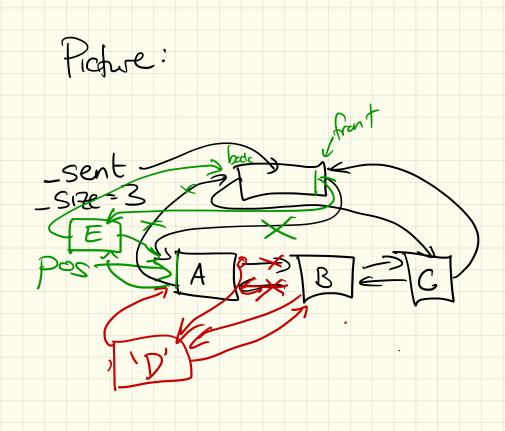
Leap - HW5 over Vectors tonight -Reeding over rest of lists for homorrow 6 by Zpm - No class next Friday (just before break)





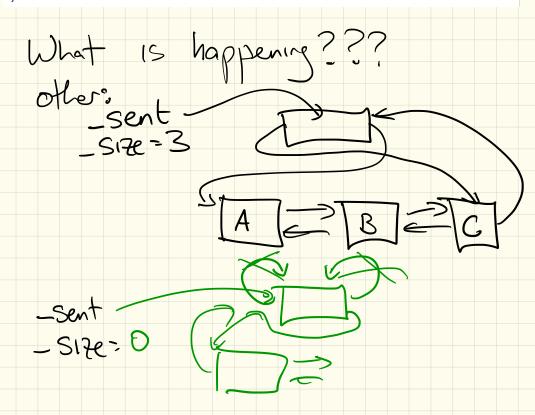
Solution:

```
/**
 * Function to insert into the list at a given spot
 *
 * Parameter position: an iterator we wish to insert before
 * Parameter element: the value to insert
 */
void insert(iterator position, T element) {
 Node* pos = position._current;
 Node* newnode = new Node(element, pos->_previous, pos);
 pos->_previous->_next = newnode;
 pos->_previous = newnode;
 _size++;
}
```



House keeping:

```
/** Copy Constructor **/
List (const List& other) {
    _sent = new Node();
    _sent->_next = _sent->_previous = _sent;
    _size = 0;
    /*
    for (const_iterator it = other.const_begin(); it != other.const_end(); it++)
        push_back(*it);
    }*/
    const_iterator temp = other.const_begin();
    while (temp != other.const_end()){
        //copy the node over
        push_back(*temp);
        temp++;
    }
}
```



Other things: Print: Useful to dump entire list: void print_list() { for (iterator it = begin(); it != end(); it++) cout << *it << " "; cout << endl: test List. cpp: