

[HW#5] 자료구조론 실습

Recursion

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```
public void recursive_insert(int size){
    if(size == 1){
        insert(count, (size-1)*5);
        return;
    }
    recursive_insert(size-1);
    insert(count, (size-1)*5);
}

public void recursive_delete(int size){
    if(size == 1){
        delete(count-1);
        return;
    }
    recursive_delete(size-1);
    delete(count-1);
}
```

```
class Run{
    public static void main(String[] args) {
        LinkedList list1 = new LinkedList();

        list1.recursive_insert(20);
        list1.print_list();
        list1.recursive_delete(15);
        list1.print_list();
    }
}
```

```
Appleui-Air-2:src nayunhwan$ java Run  
0, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95,  
0, 5, 10, 15, 20,  
Appleui-Air-2:src nayunhwan$
```