YunHo Law(Louis)

CS 260

Andrew Scholer

Assign02 - write up

05/01/2017

1A) repeat other.length times

insertEnd(otherItem);

clear other;

1B) O(n) because it just repeats length times and clear is O(1).

2A) newListOfAddress

Repeat length time

if(designated.state == address.state)

insertEnd to newListOf Address

remove address

return newListOfAddress

2B) O(n2) because it is necessary to check n items, and possibly copy n items

4A) repeat other.length times

insertEnd(other.item)

Destruct other

4B) O(n2) copy n items and clears n items.

5A) newLinkedListOfAddress

Repeat length time

if(designated.state == address.state)

insertEnd to newListOf Address

remove address

return newLinkedListOfAddress

5B) O(n2) because it is necessary to check n items, and possibly copy n items