class Solution {

public:

ListNode\* mergeTwoLists(ListNode\* l1, ListNode\* l2)

{

ListNode newHead(0), \*t;

t = &newHead;

while(l1 || l2)

{

if(!l2) { t->next = l1; break; }

else if(!l1) { t->next = l2; break; }

else if(l1->val < l2->val)

{

t->next = l1;

l1 = l1->next;

}

else

{

t->next = l2;

l2 = l2->next;

}

t = t->next;

}

return newHead.next;

}

};