**struct** node \*MergeChart(**struct** node \*head1, **struct** node \*head2){

**struct** node \*head=head1, \*p, \*p1=head1, \*p2=head2;

**while** (p2) {

p=p2;

**while** (p1->next) {

**if**(p2->num>p1->num&&p2->num<p1->next->num){

p=p2->next;

p2->next=p1->next;

p1->next=p2;

**break**;

}

**else**{

p1=p1->next;

}

}

**if**(!p1->next){

p=p2->next;

p2->next=**NULL**;

p1->next=p2;

}

}

**return** head;

}

**struct** node \*MergeNode(**struct** node \*head){

**struct** node \*p=head, \*q;

**while** (p->next) {

**if**(p->num==p->next->num){

q=p->next;

p->next=p->next->next;

p=p->next;

free(q);

}

}

**return** head;

}