

Sort a linked list II

Description

1. Please implement the sort algorithm for a linked list; don't just sort an array.
1. Please implement the sort algorithm for a linked list; don't just sort an array.
1. Please implement the sort algorithm for a linked list; don't just sort an array.
2. Implement the linked list with the struct.
2. Implement the linked list with the struct.
2. Implement the linked list with the struct.

If you don't follow the rules, you will get zero points for this problem!!!

If you don't follow the rules, you will get zero points for this problem!!!

If you don't follow the rules, you will get zero points for this problem!!!

Follow the above question. Now you add another `del_num()` function. You also allow two operations: `+ nn nn ...` and `- nn nn ...` to insert and delete any numbers from the series. One operation appears in a line only.

Input

The initial list and numbers in the commands contain positive integers`a_i`only,ends with `0` .

Each command contains at least one number after the `+` or `-` sign.

Constraints:

- $0 \leq \text{Number of initial list, operations} \leq 1000$
- $1 \leq a_i \leq 1000000$
- The number appearing in each operation is guaranteed to be less than or equal to 5
- **del_num may contain a number that has never appeared before. In this case, you should ignore this number.**

Output

Please output the sorted array in descending order, separating the array elements by spaces.

Note: there is no space after the last element.

Sample Input 1

2 14 5 90 2 40 0
+ 86 50 1
- 40 5
+ 55

Sample Output 1

90 86 55 50 14 2 2 1

Hint

```
# include <stdio.h>
# include <stdlib.h>

typedef struct node{
    int data;
    struct node* next;
} Node;

Node *head = NULL;
Node *tail = NULL;

void add_num(int d){
    // TODO
}

void printList(){
    // TODO
}

int main(){
    // Read input to linked list

    // Sort the linked list

    // Output the linked list
    printList();
    return 0;
}
```

Problems

Announcements

Submissions

Rankings

View Contest

Information

ID	final_5
Time Limit	1000MS
Memory Limit	256MB
IO Mode	Standard IO
Created By	sungod
Level	Low
Score	100
Tags	Show

Statistic

Details

