

Bubble Sort (Iterative) LinkedList

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Given a singly linked list of integers, sort it using 'Bubble Sort.'

Note :

No need to print the list, it has already been taken care. Only return the new head to the list.

Input format :

The first and the only line of each test case or query contains the elements of the singly linked list separated by a single space.

Remember/Consider :

While specifying the list elements for input, -1 indicates the end of the singly linked list and hence, would never be a list element

Output format :

For each test case/query, print the elements of the sorted singly linked list.

Output for every test case will be printed in a separate line.

Constraints :

$0 \leq M \leq 10^3$

Where M is the size of the singly linked list.

Time Limit: 1sec

Sample Input 1 :

10 9 8 7 6 5 4 3 -1

Sample Output 1 :

3 4 5 6 7 8 9 10

Sample Output 2 :

10 -5 9 90 5 67 1 89 -1

Sample Output 2 :

-5 1 5 9 10 67 89 90