Java → Implementation of basic algorithms → Doubly linked list in Java

Doubly linked list in Java → Simple doubly linked list

9 users solved this problem. Latest completion was **about 15 hours ago**.

Hard 4 minutes

Code Challenge — Write a program

There are 5 types of commands given: add an element to the beginning and to the end, remove from the beginning and the end, and reverse the list. Your task is to print the resulting list.

Input: In the first line, $N < 1000$ is the number of commands. In the following N lines, there are commands:

- addFirst x;
- addLast x;
- removeFirst;
- removeLast;
- reverse.

It is guaranteed that removal operation is not called for an empty list.

Output: in the first line print the resulting list divided by spaces.

Sample Input 1:

```
5
addLast 1
addLast 2
addLast 3
reverse
removeFirst
```

Sample Output 1:

```
2 1
```

Code Editor IDE

Solve in IDE

✓ **IDE is responding** IntelliJ IDEA 2019.3

✓ **Plugin is responding** 3.2-2019.3-3686

✓ **Correct, but can be improved**

Thanks for your feedback!

Write here how we could improve this problem

Continue

Time limit: 8 seconds Memory limit: 256 MB

Comments (1) Hints (1) Useful links (0) Solutions (1)

SK Share something, Sergey Kubatko

Post Please do not post solutions here

SK **Sergey Kubatko** about 15 hours ago

pls be careful! the right methods for remove first and last the following

```
    public void removeFirst() {
        if (size == 0) {
            throw new NoSuchElementException();
        }
```

♡ 0 Show all Reply