Reverse a Doubly Linked List   X76599_en

Modify the `DoublyLinkedBase` class to include a **reverse** public method that reverses the order of the list, yet without creating or destroying any nodes.

Write a program that uses the **PositionalList** class (included in the *public files* section of the problem statement) to read a sequence of *n* integer numbers, reverse the sequence, write the reversed sequence, and traverse the reversed sequence from back to front printing the elements in that order.

Input

```
25
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 4
```

Output

```
25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
```

Problem information

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