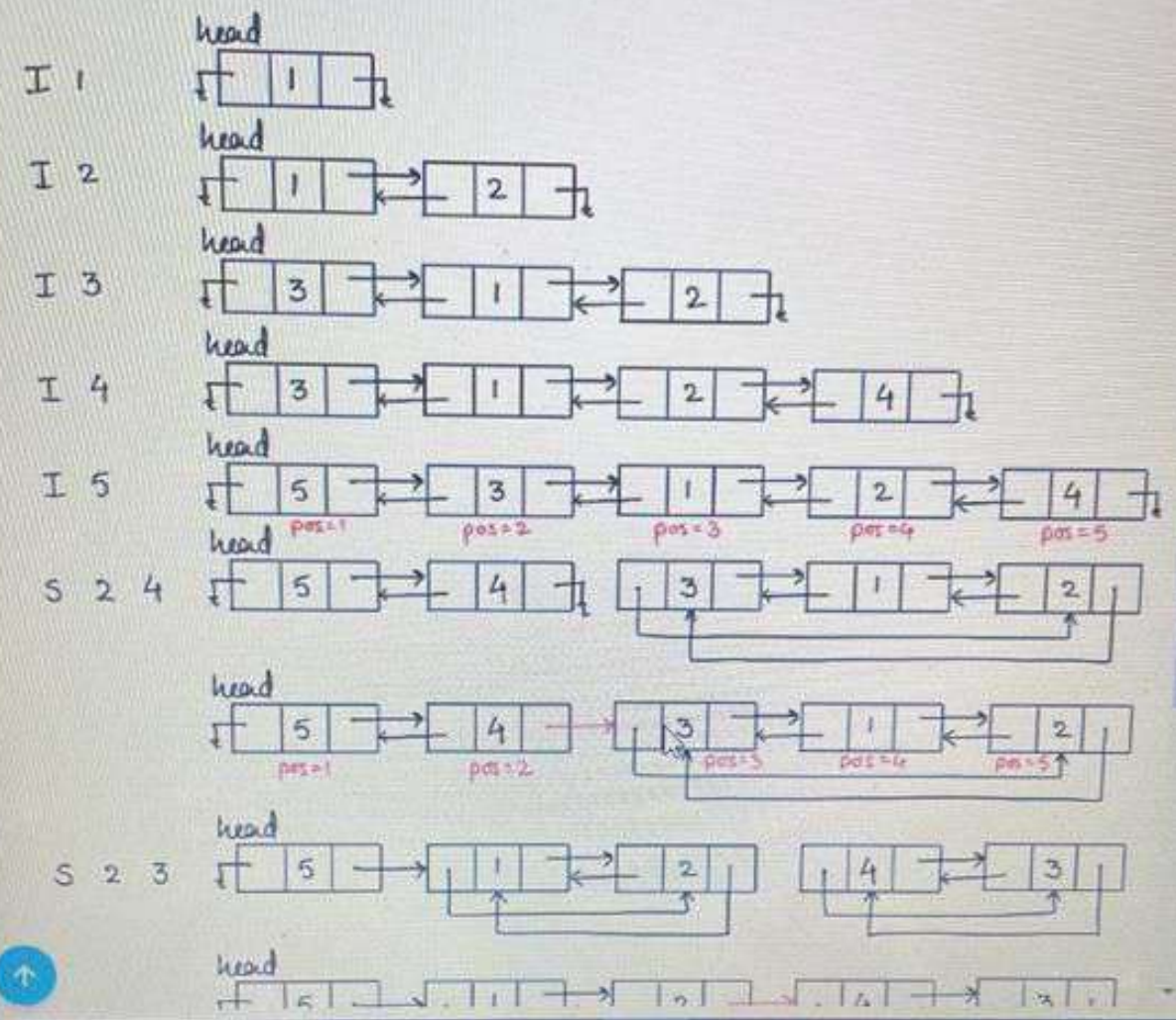
Statement | Submissions | Comments

Explanation:



Statement Submissions Comments

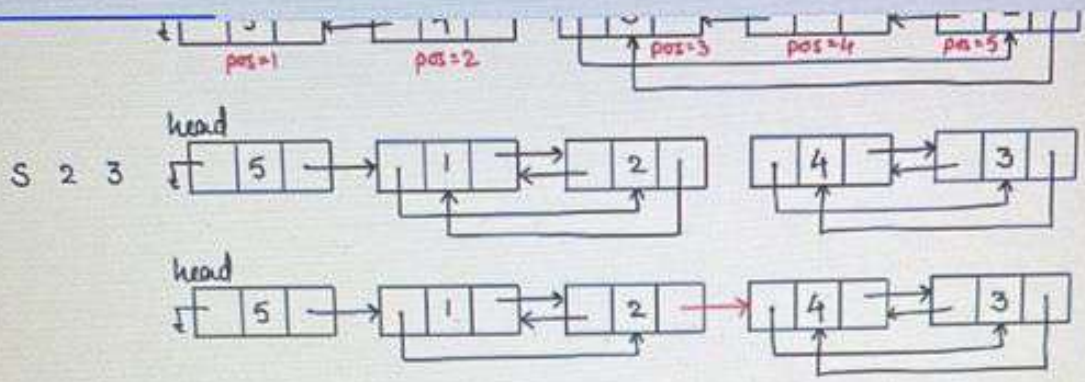


Fig. 1. Linked list after execution of each operation given in the input.

- First D displays the list as it is.
- In second D, nodes with values 5 and 4 are displayed as it is. The last three nodes with values 3, 1, and 2 are shuffled and thus formed a circular structure having node with value 3 as the starting node. This structure gets attached in the end of the existing list. Therefore output displays 3 twice and rest of the circular structure in reverse order, i.e. 3 2 1 3.
- In third D, node with value 5 is displayed as it is. The two nodes with values 4 and 3 are shuffled and thus formed a circular structure having node with value 4 as the starting node. This structure gets attached in the end of the existing list. Removal of node with value 3 makes the node with value 1 as the starting node of the existing circular structure. This mean there are two circular structures present in the list. Therefore output displays 1 twice and rest of the first circular structure in reverse

Statement Submissions Comments

with value 3 as the starting node. This structure gets attached in the end of the existing list. Therefore output displays 3 twice and rest of the circular structure in reverse order, i.e. 3 2 1 3.

- In third D, node with value 5 is displayed as it is. The two nodes with values 4 and 3 are shuffled and thus formed a circular structure having node with value 4 as the starting node. This structure gets attached in the end of the existing list. Removal of node with value 3 makes the node with value 1 as the starting node of the existing circular structure. This mean there are two circular structures present in the list. Therefore output displays 1 twice and rest of the first circular structure in reverse order, i.e. 2. Followed by display of second circular structure having node with value 4 as the starting node (thus printed twice) and rest of the second circular structure in reverse order, i.e. 3.

Accepted	Submissions	Accuracy
0	157	NA

More Info

Contributors

Constraints

- All integers range in between 1 and 1000.

Sample 1:

Input	Output
10 I 1 I 2 I 3 I 4 I 5 D S 2 4 D S 2 3 D	5 3 1 2 4 5 4 3 2 1 3 5 1 2 1 4 3 4

Explanation: