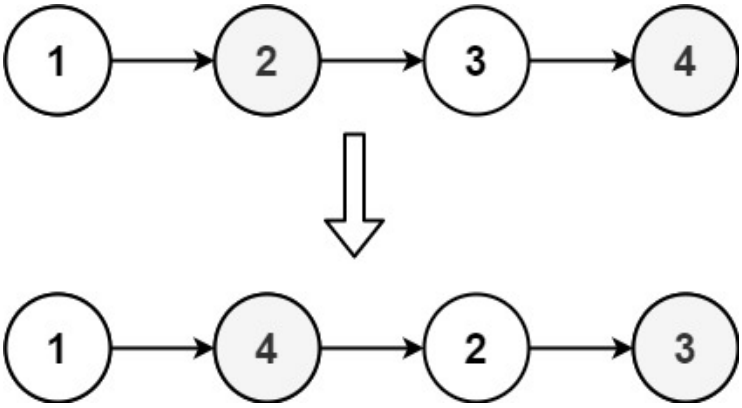
143. Reorder List

- *You are given the head of a singly linked-list. The list can be represented as:*
  - $L_0 \rightarrow L_1 \rightarrow \ldots \rightarrow L_n - 1 \rightarrow L_n$
- *Reorder the list to be on the following form:*
  - $L_0 \rightarrow L_n \rightarrow L_1 \rightarrow L_n - 1 \rightarrow L_2 \rightarrow L_n - 2 \rightarrow \ldots$

You may not modify the values in the list's nodes. Only nodes themselves may be changed.

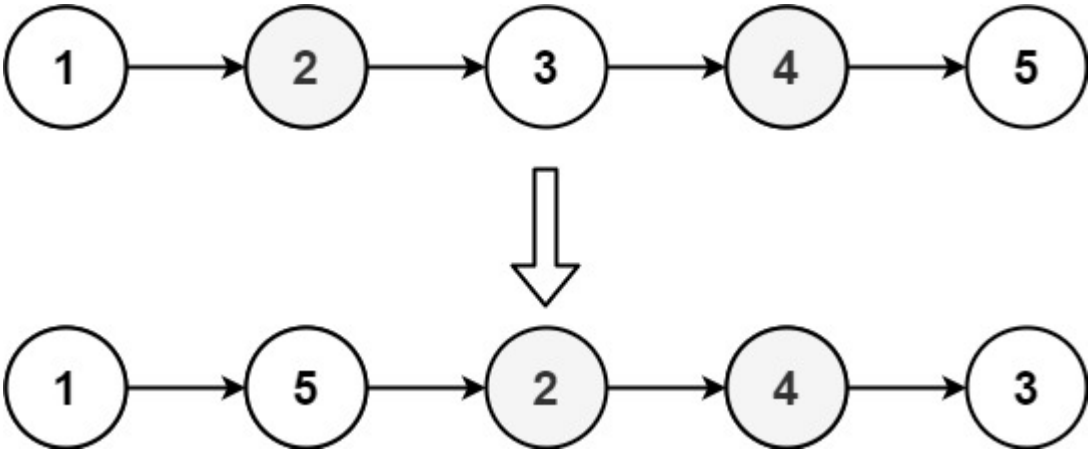
Example 1:



Input: head = [1,2,3,4]

Output: [1,4,2,3]

Example 2:



Input: head = [1,2,3,4,5]

Output: [1,5,2,4,3]

Constraints:

- The number of nodes in the list is in the range [1, $5 * 10^4$].
- 1 <= Node.val <= 1000