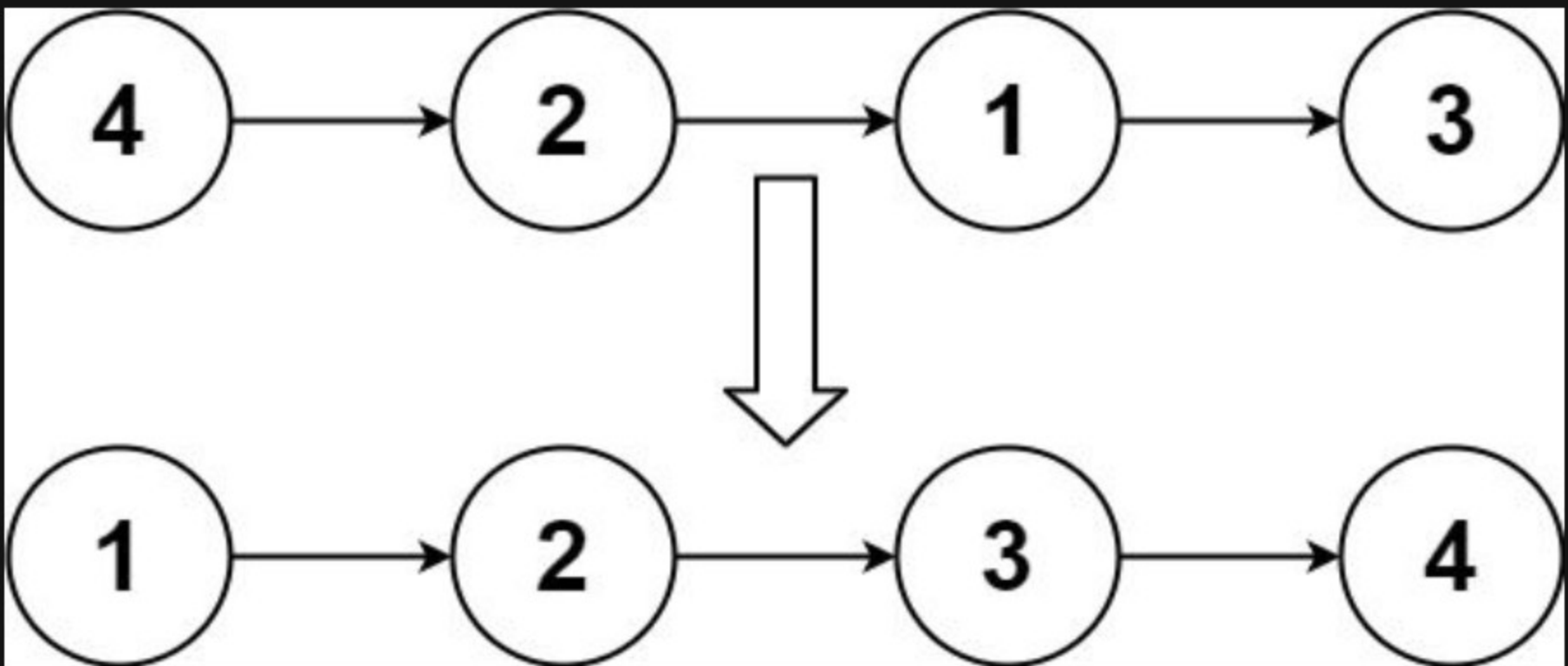


148. Sort List

Description

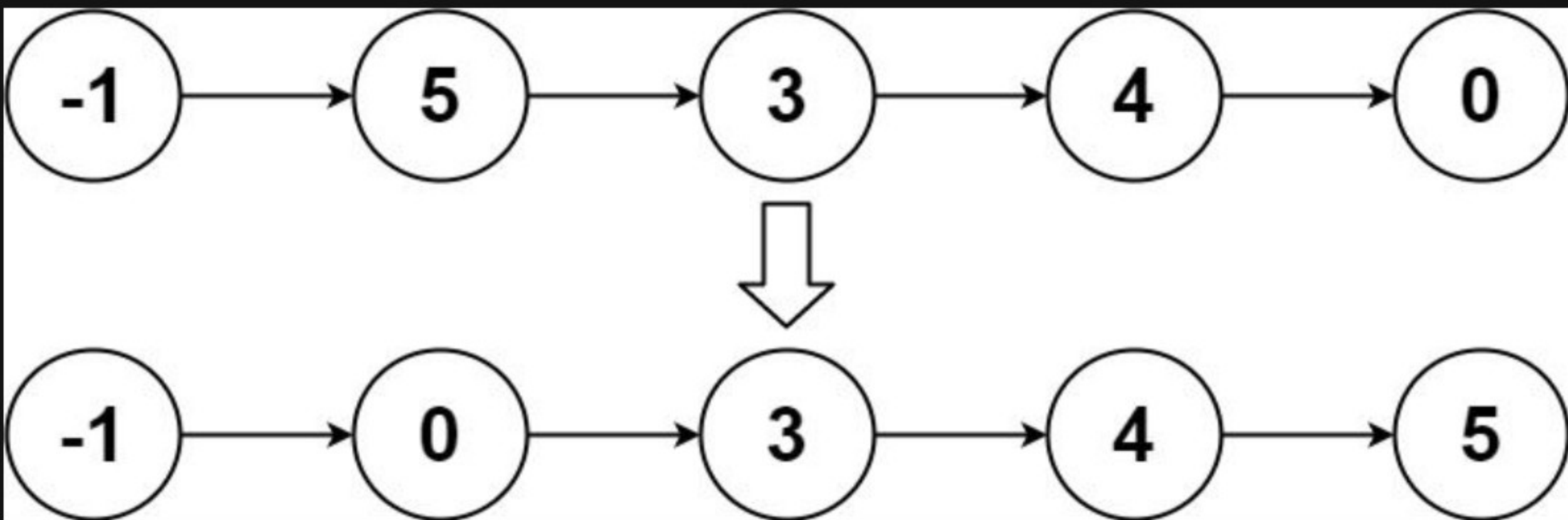
Given the `head` of a linked list, return *the list after sorting it in ascending order*.

Example 1:



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

Example 2:



Input: `head = [-1,5,3,4,0]`
Output: `[-1,0,3,4,5]`

Example 3:

Input: `head = []`
Output: `[]`

Constraints:

- The number of nodes in the list is in the range `[0, 5 * 104]`.
- `-105 <= Node.val <= 105`

Follow up: Can you sort the linked list in `O(n logn)` time and `O(1)` memory (i.e. constant space)?

