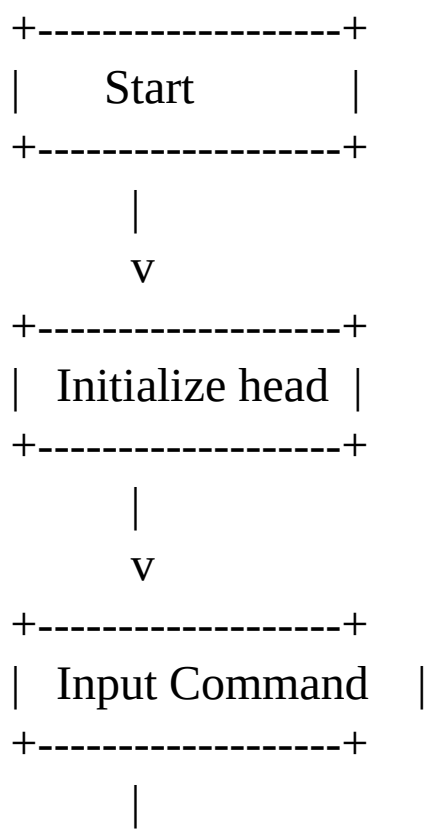
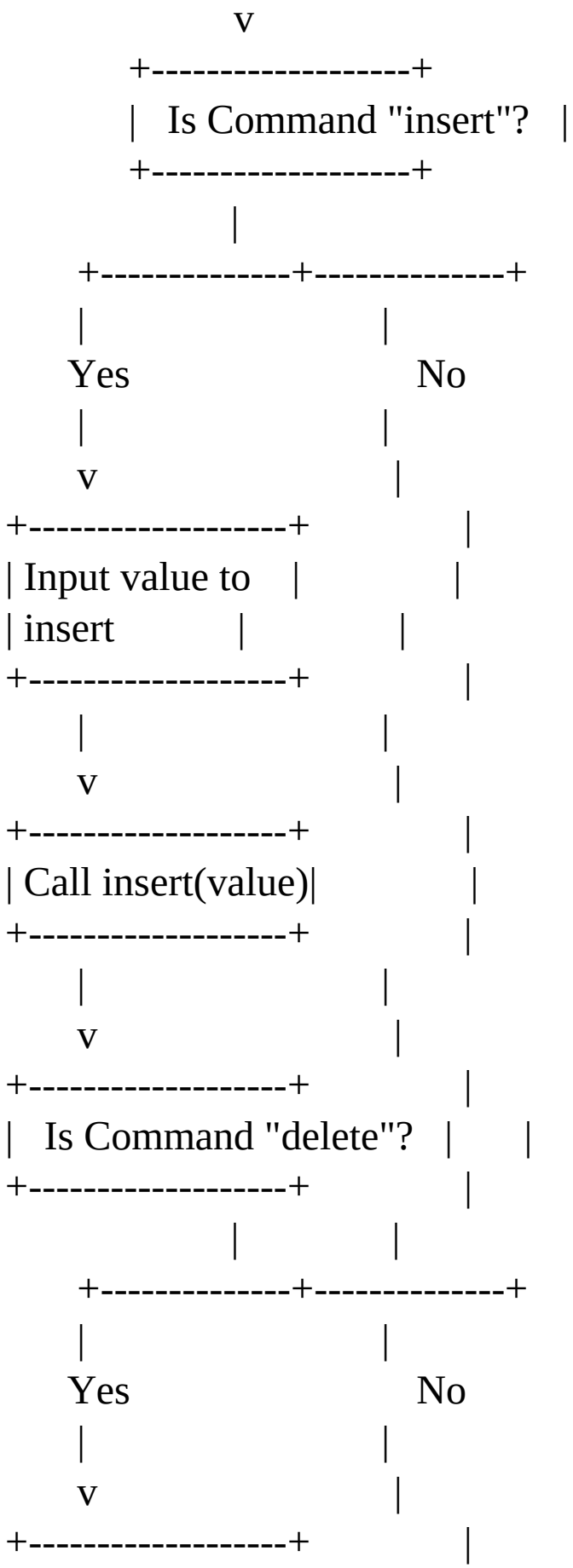
❖ Doubly Linked List:

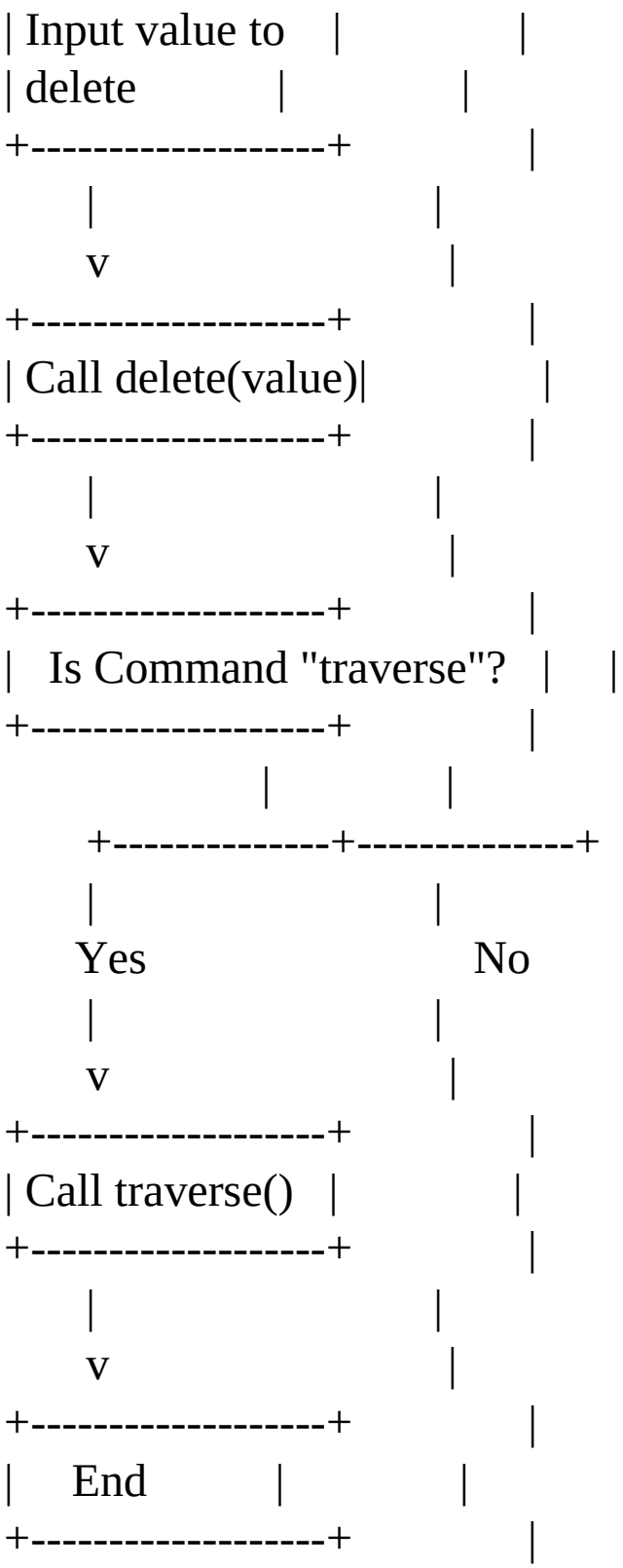
- Explanation:
  The program implements a doubly linked list with functionalities to insert, delete, and traverse nodes. It allows users to input integers for insertion, remove nodes by value, and display the list contents. By maintaining both next and previous pointers, it facilitates bidirectional traversal and manipulation of the list.
- Time Complexity :

  Insertion: O(1)

  Deletion: O(N)
  Traversing: O(N)
- Space Complexity: O(1)
- Flowchart:




Is Command "insert"?
Yes
No
Input value to insert
Call insert(value)
Is Command "delete"?
Yes
No


| Input value to |
| delete |
Call delete(value)
Is Command "traverse"?
Yes
No
Call traverse()
End