1. Draw the perfect skip list that contains the values 5, 10, 15, 20, 25, 30, 35, 40, 45.

2. Implement the method countNegI in the L1 class. The implementation must be iterative. Do not add any parameters to the method or instance variables to the class.
3. Implement the private method countNegR in the L1 class. The implementation must be recursive. Do not add any parameters to the method or instance variables to the class.
public class L1 {
    //implements a linked list of ints
    private class Node {
        private int data;
        private Node next;
        private Node(int d, Node n) {
            data = d;
            next = n;
        }
    }
    private Node head;

    public L1() {
        head = null; //no sentinel node
    }

    //assume insert has been implemented and zero or more values have
    //been inserted

    public int countNegI() {
        //return the number of ints in the list that are less than 0
        //PUT YOUR ANSWER ON THE QUESTION SHEET
    }

    public int countNegR() {
        //return the number of ints in the list that are less than 0
        return countNegR(head);
    }

    private int countNegR(Node h) {
        //return the number of ints in the list beginning at h that are
        //less than 0
        //PUT YOUR ANSWER ON THE QUESTION SHEET
    }
}