1. Assume a hash table with 13 slots that uses separate chaining. Show the contents of the table after the above keys are inserted. The keys are inserted in the order shown (first Hydrogen through Boron then Carbon through Uranium). You do not have to resize the table.
2. Implement the method sum in the Q4 class.
public class Q4 {

    private class Node {
        private int num;
        private Node next;

        private Node(int i, Node n) {
            num = i;
            next = n;
        }
    }

    public int sum(Node x[]) {
        //Each x[i] is a linked list of Nodes
        //the lists do not contain a sentinel Node
        //return the sum of the ints in the lists of x
        //for example if x.length == 3 (do not assume this in
        //your code) and the list beginning with x[0] contains 2, 7
        //and the list beginning with x[1] contains 1, 5, 2, 1
        //and the list beginning with x[2] contains 11, 9, 3
        //then the function should return 41
    }

}