1) O(N) because it uses the getNode() method which has while loops used in it

2) O(N) also the same thing, it uses getNode() which uses while loop

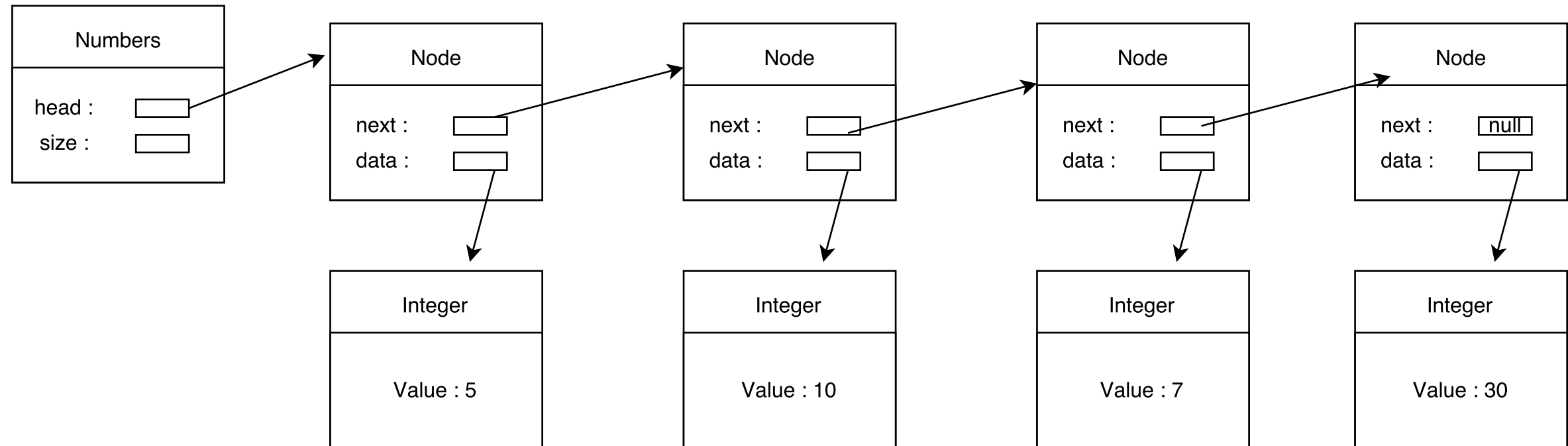3) addFirst() is O(c) constant
   addAfter() is O(c) constant as well
   add() is O(c) constant as well
addLast() O(N) only for linked list with no tail

4)


```
int sum = 0;
Node<Integer> nodeRef = head;
while(nodeRef != null) {
int next =  nodeRef.data;
sum +=next;
nodeRef = nodeRef.next:
```

5)

a. This line replaces the first node and makes new Node<String>("Shakira", head.next) the new head of the list
b. it sets the third Node to be the fourth Node
c. It adds the Node, new Node<String>("Tamika") to the end of the list
d. changes the Node with String "Harry" to "Sally" and adds a Node with "Harry" after it.