**Question:**Write a function that takes the **head of a Singly Linked List** and **adds corresponding values from both ends of the list (front value + end value)** and prints the subtraction of that sequence. The Linked List contains integer numbers as elements.

**Notes:**

1. For Simplicity, You can assume the Linked List has even number of elements
2. No need to write the Node class. Just assume Node class is there with two instance variables; ***one is elem*** and the ***other one is next***.
3. You can use helper functions if necessary such as ***length()*** *or* ***nodeAt().***

| **Sample Given LinkedList** | **Sample Output 1** | **Explanation** |
| --- | --- | --- |
| 1 → 2 → 3 → 4 → 11 → 9 | -10 | (1 + 9) - (2 + 11) - (3 + 4)  = -10 |
| **Sample Given LinkedList** | **Sample Output 2** | **Explanation** |
| 1 → 2 → 3 → 1 | -3 | (1 + 1) - (2 + 3) = -3 |

| **Python Notation** | **Java Notation** |
| --- | --- |
| def twoEndSum(head):  # Your Code Here | static void twoEndSum(Node head){  // Your Code Here  } |

**Question:**

Write a function that takes the **head of a Singly Linked List** and **subtracts corresponding values from both ends of the list (front value - end value)** and prints the summation of the sequence. The Linked List contains integer numbers as elements.

**Notes:**

1. For Simplicity, You can assume the Linked List has even number of elements
2. No need to write the Node class. Just assume Node class is there with two instance variables; ***one is elem*** and the ***other one is next***.
3. You can use helper functions if necessary such as ***length()*** *or* ***nodeAt().***

| **Sample Input 1** | **Sample Output 1** | **Explanation** |
| --- | --- | --- |
| 9 → 11 → 3 → 4 → 2 → 1 | 16 | (9 - 1) + (11 - 2) + (3 - 4) = 16 |
| **Sample Input 2** | **Sample Output 2** | **Explanation** |
| 1 → 2 → 3 → 1 | -1 | (1 - 1) + (2 - 3) = -1 |

| **Python Notation** | **Java Notation** |
| --- | --- |
| def twoEndSub(head):  # Your Code Here | static void twoEndSub(Node head){  // Your Code Here  } |