**Accounting**

Amy is checking her bank account and wants to see when her money was in a certain balance range. She would like you to write a program that when given an upper and a lower bound, you can find the number of range sums that are between [lower, upper] inclusive.

**Input:** The first line of input contains **N** the number of transactions made. The next line contains **N** space separated integers which could be positive or negative numbers which represent if money was gained or spent. The third line contains **lower** and **upper.**

**Output:** output description goes here

**Example Input:**

3

-2 5 -1

-2 2

**Example Output:**

3

**Explanation:** The three ranges that are between -2 and 2 are [0, 0] (which adds up to -2),

[2, 2] (which add up to -1), and [0, 2] (which add up to 2).