inclusive range $7 - 10$ so we print

```
1
2
```

Function Description

Complete the countApplesAndOranges function in the editor below. It should print the number of apples and oranges that land on Sam's house, each on a separate line.

countApplesAndOranges has the following parameter(s):

- s: integer, starting point of Sam's house location.
- t: integer, ending location of Sam's house location.
- a: integer, location of the Apple tree.
- b: integer, location of the Orange tree.
- apples: integer array, distances at which each apple falls from the tree.
- oranges: integer array, distances at which each orange falls from the tree.

Input Format

The first line contains two space-separated integers denoting the respective values of s and t.
The second line contains two space-separated integers denoting the respective values of a and b.
The third line contains two space-separated integers denoting the respective values of m and n.
The fourth line contains m space-separated integers denoting the respective distances that each apple falls from point a.
The fifth line contains n space-separated integers denoting the respective distances that each orange falls from point b.

Constraints

- $1 \leq s, t, a, b, m, n \leq 10^5$
- $-10^5 \leq d \leq 10^5$
- $a < s < t < b$

Output Format

Print two integers on two different lines:

1. The first integer: the number of apples that fall on Sam's house.
2. The second integer: the number of oranges that fall on Sam's house.

Sample Input 0

Change Theme | Java 8

```
import java.util.regex.*;

public class Solution {

    // Complete the countApplesAndOranges function below.
    static void countApplesAndOranges(int s, int t, int a, int b, int[] ap

        int[] numApples = Arrays.stream(apples).map(x -> x + a).filter(x -
        int[] numOranges = Arrays.stream(oranges).map(x -> x + b).filter(x
        System.out.println(numApples.length + "\n" + numOranges.length);
    }

    private static final Scanner scanner = new Scanner(System.in);

    public static void main(String[] args) {
        String[] st = scanner.nextLine().split(" ");

        int s = Integer.parseInt(st[0]);

        int t = Integer.parseInt(st[1]);

        String[] ab = scanner.nextLine().split(" ");

        int a = Integer.parseInt(ab[0]);

        int b = Integer.parseInt(ab[1]);

        String[] mn = scanner.nextLine().split(" ");
```

Line: 18 Col: 1

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Sample Input 0

Change Theme | Java 8

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16          System.out.println(numApples.length + "\n" + numOranges.length);
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19      private static final Scanner scanner = new Scanner(System.in);
20
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22          String[] st = scanner.nextLine().split(" ");
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24          int s = Integer.parseInt(st[0]);
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26          int t = Integer.parseInt(st[1]);
27
28          String[] ab = scanner.nextLine().split(" ");
29
30          int a = Integer.parseInt(ab[0]);
31
32          int b = Integer.parseInt(ab[1]);
33
34          String[] mn = scanner.nextLine().split(" ");
```

Line: 18 Col: 1

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