You will be given two arrays of integers and asked to determine all integers that satisfy the following two conditions:

1. The elements of the first array are all factors of the integer being considered
2. The integer being considered is a factor of all elements of the second array

These numbers are referred to as being *between* the two arrays. You must determine how many such numbers exist.

For example, given the arrays a=[2,6]  and b=[24,36], there are two numbers between them: 6 and 12.

6%2=0, 6%6=0 , 24%6=0 36%6=0   for the first value. Similarly 12%2=0, 12%6=0 , 24%12=0 36%12=0

**Function Description**

Complete the *getTotalX* function in the editor below. It should return the number of integers that are betwen the sets.

getTotalX has the following parameter(s):

* *a*: an array of integers
* *b*: an array of integers

**Input Format**

The first line contains two space-separated integers, n and m, the number of elements in array a and the number of elements in array b.  
The second line contains n  distinct space-separated integers describing a[i]  where 0<=i<=n .  
The third line contains  m distinct space-separated integers describing b[j] where 0<=j<=m.

**Constraints**

* 1<=n,m<=10
* 1<=a[i]<=100
* 1<=b[j]<=100

**Output Format**

Print the number of integers that are considered to be *between*  a and b.

Tc1

* **1 3**
* **2**
* **20 30 12**

Eop

1

Tc 2

* **1 1**
* **1**
* **100**

Eop

9

Tc 3

* **1 1**
* **51**
* **50**

Eop

0

Tc 4

* **1 2**
* **1**
* **72 48**

Eop

8

Tc 5

* **2 3**
* **2 4**
* **16 32 96**

Eop

3

Tc 6

* **10 10**
* **100 99 98 97 96 95 94 93 92 91**
* **1 2 3 4 5 6 7 8 9 10**

Eop

0

Tc7

* **3 2**
* **3 9 6**
* **36 72**

Eop

2

Tc7

* **3 2**
* **2 3 6**
* **42 84**

Eop

2

Tc 8

* **2 2**
* **3 4**
* **24 48**

Eop

2