Common Divisors

Given two integer numbers, the task is to find count of all common divisors of given numbers?

```
Input : a = 12, b = 24
Output: 6
// all common divisors are 1, 2, 3,
// 4, 6 and 12

Input : a = 3, b = 17
Output: 1
// all common divisors are 1

Input : a = 20, b = 36
Output: 3
// all common divisors are 1, 2, 4
```

Input:
The first line of input contains a single integer **T** denoting the number of test cases. Then **T** test cases follow. Each test case consists of one line only. The line consists one two space separated positive integers which denote **a** and **b**.

Output:

Corresponding to each test case, in a new line, print the number of common divisors.

Constraints:

1 ≤ **T** ≤ 200

1 ≤ **a, b** ≤ 10000

Example:

Input

```
2
232 8
1 354
```

Output

```
4
1
```