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# COMDIV - Number of common divisors

*no tags*

You will be given  $T$  ( $T \leq 10^6$ ) pair of numbers. All you have to tell is the number of common divisors between two numbers in each pair.

## Input

First line of input:  $T$  (Number of test cases)

In next  $T$  lines, each have one pair  $A B$  ( $0 < A, B \leq 10^6$ )

## Output

One integer describing number of common divisors between two numbers.

## Example

**Input:**

```
3
100000 100000
12 24
747794 238336
```

**Output:**

```
36
6
2
```

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## Notes:

1. Don't post any source code here.
2. Please be careful, leave short comments only. Don't spam here.
3. For more discussion (hints, ideas, solutions) please visit our forum (/forum).
4. Authors of the problems are allowed to delete the post and use html code here (e.g. to provide some useful links).

🚀 Submit solution! (/submit/COMDIV/)



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ADS VIA CARBON (HTTP://C  
UTM\_SOURCE=WWWSPJCC

Added by: Mir Wasi Ahmed  
(/users/wasi)  
Date: 2010-10-31  
Time limit: 0.600s  
Source limit: 50000B  
Memory limit: 1536MB  
Cluster: Cube (Intel G860) (/clusters/)  
Languages: All except: ASM64  
Resource: Own problem, used in UODA  
TST

## Vote requirements



- ✓ be spoj user for at least 5 days
- ✗ solved 9 from 15 needed problems
- ✓ solve this problem

Own tags

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