

Problem A

GCD

Time limit: 3 seconds

Memory limit: 1024 megabytes

Problem Description

Given two positive integer numbers x and y , find the greatest common divisor of x and y .

Note: Please do not use any library.

Input Format

Your program is to read from standard input. The input consists of T test cases. The number of test cases T is given in the first line of the input. Each test case contains two positive integer numbers x and y , where $1 \leq x, y \leq 1,000,000$. There is a space between x and y .

Output Format

Your program is to write to standard output. Print exactly one line for each test case. The line is to indicate the greatest common divisor of x and y .

Technical Specification

- $1 \leq x, y \leq 1,000,000$

Sample Input 1

```
5
1 1000000
123 456
555 555
369 123
1000000 100000
```

Sample Output 1

```
1
3
555
123
100000
```

Almost blank page