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## Greatest common divisor

P67723\_en

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Write a program that computes the greatest common divisor of two numbers.

### Input

Input consists of two strictly positive natural numbers  $a$  and  $b$ .

### Output

Print the greatest common divisor of  $a$  and  $b$ .

### Observation

Although the solution to this exercise does not need to be very efficient, it should not be too slow.

#### Sample input 1

16104 3216

#### Sample output 1

The gcd of 16104 and 3216 is 24.

#### Sample input 2

1107 15129

#### Sample output 2

The gcd of 1107 and 15129 is 369.

### Problem information

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