

---

**Greatest common divisor****P67723\_en**

---

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**

Author: Jordi Petit

Translator: Carlos Molina

Generation: 2026-01-25T11:33:15.661Z

© Jutge.org, 2006–2026.

<https://jutge.org>