Fast Euclid's algorithm (recursive)

Cost: 3 | Solved: 97

Memory limit: 256 MBs

Time limit: 1 s

Input: input.txt

Output: output.txt

Task:

You are given two numbers. Write a function that will count their greatest common divisor, using fast Euclid's algorithm (division with remainder).

Input:

Contains two natural numbers a and b $(a, b \leq 10^9)$.

Output:

The greatest common divisor of a and b.

Example:

Input	Output
4 2	2
4 3	1