

Greatest Common Divisor Of Three Integers

It is said that the greatest common divisor (GCD) of two or more whole numbers, is the largest integer that divides them without leaving residue. Euclid's algorithm is famous for allowing to find the GCD between two numbers. This challenge asks you, you find the GCD between three integers.

Challenge

The entry consists of 3 whole numbers, one per line and the output will be the GCD of the 3 numbers.

Example of input

```
426
132
120
```

Example of output for this input

```
6
```

Example of input:

```
100
60
120
```

Example of output for this input

```
20
```

Example of input:

```
4
8
12
```

Example of output for this input

```
4
```