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## Read a rational number (1)

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Write a procedure

```
void read_rational (int& num, int& den);
```

to read a rational number given in the form “numerator”/“denominator”, and store these two values in *num* and *den*, respectively. Additionally, you must remove all common factors from *num* and *den*. For instance, if the input has

66/12

the values after the call must be  $num = 11$  and  $den = 2$ .

### Precondition

$1 \leq num \leq 10^9$  and  $1 \leq den \leq 10^9$

### Observation

You only need to submit the required procedure; your main program will be ignored.

### Problem information

Author : Salvador Roura

Translator : Salvador Roura

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