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**Read a rational number (1)**

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**P59652\_en**

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**

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