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## Read a rational number (1)

P59652\_en

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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

$1 \leq \text{@num@} \leq 10^9$  and  $1 \leq \text{@den@} \leq 10^9$

### Observation

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

### Problem information

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