Rational numbers (1)   P85696_en

Using the definition

> **struct** *Rational* {
>   **int** *num*, *den*;
> };

write a function

> *Rational rational* (**int** *n*, **int** *d*);

that returns an equivalent rational to $\frac{n}{d}$ and "normalized" according to: if the numerator is 0, the denominator is 1; otherwise, the numerator and the denominator do not have any common factor, and the denominator is positive.

Precondition

$d \neq 0$.

Observation

You only need to submit the required classes; your main program will be ignored. Strictly obey the type definitions of the statement.

Problem information

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