
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@ ≠ 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

Author: Salvador Roura

Translator: Carlos Molina

Generation: 2026-01-25T12:06:15.545Z

© *Jutge.org*, 2006–2026.

<https://jutge.org>