
Recursive factorial

P12509_en

Write a function that returns @n@!.

Solve this problem recursively.

Interface

C++	<code>int factorial (int n);</code>
C	<code>int factorial (int n);</code>
Java	<code>public static int factorial (int n);</code>
Python	<code>factorial (n) # returns int</code> <code>factorial (n: int) -> int</code>

Precondition

Assume $0 \leq @n@ \leq 12$.

Observation

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

Problem information

Author: Jordi Petit

Translator: Carlos Molina

Generation: 2026-01-25T10:03:00.522Z

© Jutge.org, 2006–2026.

<https://jutge.org>