
Recursive factorial

P12509_en

Write a function that returns $n!$.

Solve this problem recursively.

Interface

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

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 : 2025-05-13 10:44:40

© *Jutge.org*, 2006–2025.

<https://jutge.org>