
Recursive number of digits

P51222_en

Write a recursive function that returns the number of digits of n .

Interface

C++	int <i>number_of_digits</i> (int n);
C	int <i>number_of_digits</i> (int n);
Java	public static int <i>numberOfDigits</i> (int n);
Python	<i>number_of_digits</i> (n) # returns int <i>number_of_digits</i> (n : <i>int</i>) \rightarrow <i>int</i>

Precondition

We have $n \geq 0$.

Observation

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

Problem information

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