

---

## Recursive number of digits

P51222\_en

---

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

### Interface

C++	<code>int number_of_digits(int n);</code>
C	<code>int number_of_digits(int n);</code>
Java	<code>public static int numberOfDigits(int n);</code>
Python	<code>number_of_digits(n) # returns int</code> <code>number_of_digits(n: int) -&gt; int</code>

### Precondition

We have  $@n@ \geq 0$ .

### Observation

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

### Problem information

Author: Salvador Roura

Translator: Carlos Molina

Generation: 2026-01-25T11:05:50.460Z

© *Jutge.org*, 2006–2026.

<https://jutge.org>