

# Practising recursion

<b>Difficulty:</b>	Hard
<b>Requirements:</b>	Functions, recursion
<b>Aims:</b>	Functions

- Write a function that calculates the factorial of a given number  $n!$  recursively.
- **Experts:** The function shall calculate  $fib(n)$  instead of  $n!$ .

## Hints

- For which  $n$  is the result of  $n!$  clear?
- Check for such  $n$  at the start of the function!
- For all other  $n$ , you need a recursive call.
- **Experts:** In one statement, you can call a function multiple times