

% c:/Users/Personal/Downloads/prac11ai.pl compiled 0.00 sec, 3 clauses

?- factorial(5).

120

true.

?- trace.

true.

[trace] ?- factorial(5).

Call: (12) factorial(5) ? creep

Call: (13) factorial(5, \_25794) ? creep

Call: (14) 5>0 ? creep

Exit: (14) 5>0 ? creep

Call: (14) \_28232 is 5+ -1 ? creep

Exit: (14) 4 is 5+ -1 ? creep

Call: (14) factorial(4, \_29854) ? creep

Call: (15) 4>0 ? creep

Exit: (15) 4>0 ? creep

Call: (15) \_32292 is 4+ -1 ? creep

Exit: (15) 3 is 4+ -1 ? creep

Call: (15) factorial(3, \_33914) ? creep

Call: (16) 3>0 ? creep

Exit: (16) 3>0 ? creep

Call: (16) \_36352 is 3+ -1 ? creep

Exit: (16) 2 is 3+ -1 ? creep

Call: (16) factorial(2, \_37974) ? creep

Call: (17) 2>0 ? creep

Exit: (17) 2>0 ? creep

Call: (17) \_40412 is 2+ -1 ? creep

Exit: (17) 1 is 2+ -1 ? creep

Call: (17) factorial(1, \_42034) ? creep

Call: (18) 1>0 ? creep

Exit: (18) 1>0 ? creep

Call: (18) \_44472 is 1+ -1 ? creep

Exit: (18) 0 is 1+ -1 ? creep

Call: (18) factorial(0, \_46094) ? creep

Exit: (18) factorial(0, 1) ? creep

Call: (18) \_42034 is 1\*1 ? creep

Exit: (18) 1 is 1\*1 ? creep

Exit: (17) factorial(1, 1) ? creep

Call: (17) \_37974 is 2\*1 ? creep

Exit: (17) 2 is 2\*1 ? creep

Exit: (16) factorial(2, 2) ? creep

Call: (16) \_33914 is 3\*2 ? creep

Exit: (16) 6 is 3\*2 ? creep

Exit: (15) factorial(3, 6) ? creep

Call: (15) \_29854 is 4\*6 ? creep

Exit: (15) 24 is 4\*6 ? creep

Exit: (14) factorial(4, 24) ? creep

Call: (14) \_25794 is 5\*24 ? creep

Exit: (14) 120 is 5\*24 ? creep

Exit: (13) factorial(5, 120) ? creep

Call: (13) write(120) ? creep

120

Exit: (13) write(120) ? creep

Exit: (12) factorial(5) ? creep

true.

[trace] ?- notrace.

true.

[debug] ?- nodebug.

true.