

% c:/Users/Personal/Downloads/prac8.pl compiled 0.00 sec, 2 clauses

?- move(3,source,target,aux).

Move top disk from source to target

Move top disk from source to aux

Move top disk from target to aux

Move top disk from source to target

Move top disk from aux to source

Move top disk from aux to target

Move top disk from source to target

true .

?- trace.

true.

[trace] ?- move(3,source,target,aux).

Call: (12) move(3, source, target, aux) ? creep

Call: (13) 3>1 ? creep

Exit: (13) 3>1 ? creep

Call: (13) _30320 is 3+ -1 ? creep

Exit: (13) 2 is 3+ -1 ? creep

Call: (13) move(2, source, aux, target) ? creep

Call: (14) 2>1 ? creep

Exit: (14) 2>1 ? creep

Call: (14) _34386 is 2+ -1 ? creep

Exit: (14) 1 is 2+ -1 ? creep

Call: (14) move(1, source, target, aux) ? creep

Call: (15) write('Move top disk from ') ? creep

Move top disk from

Exit: (15) write('Move top disk from ') ? creep

Call: (15) write(source) ? creep

source

Exit: (15) write(source) ? creep

Call: (15) write(' to ') ? creep

to

Exit: (15) write(' to ') ? creep

Call: (15) write(target) ? creep

target

Exit: (15) write(target) ? creep

Call: (15) nl ? creep

Exit: (15) nl ? creep

Exit: (14) move(1, source, target, aux) ? creep

Call: (14) move(1, source, aux, _45766) ? creep

Call: (15) write('Move top disk from ') ? creep

Move top disk from

Exit: (15) write('Move top disk from ') ? creep

Call: (15) write(source) ? creep

source

Exit: (15) write(source) ? creep

Call: (15) write(' to ') ? creep

to

Exit: (15) write(' to ') ? creep

Call: (15) write(aux) ? creep

aux

Exit: (15) write(aux) ? creep

Call: (15) nl ? creep

Exit: (15) nl ? creep

Exit: (14) move(1, source, aux, _54628) ? creep

Call: (14) move(1, target, aux, source) ? creep

Call: (15) write('Move top disk from ') ? creep

Move top disk from

Exit: (15) write('Move top disk from ') ? creep

Call: (15) write(target) ? creep

target

Exit (15) write(target) ? creep

Call (15) write(' to ') ? creep

to

Exit (15) write(' to ') ? creep

Call (15) write(aux) ? creep

aux

Exit (15) write(aux) ? creep

Call (15) nl ? creep

Exit (15) nl ? creep

Exit (14) move(1, target, aux, source) ? creep

Exit (13) move(2, source, aux, target) ? creep

Call (13) move(1, source, target, _1794) ? creep

Call (14) write('Move top disk from ') ? creep

Move top disk from

Exit (14) write('Move top disk from ') ? creep

Call (14) write(source) ? creep

source

Exit (14) write(source) ? creep

Call (14) write(' to ') ? creep

to

Exit (14) write(' to ') ? creep

Call (14) write(target) ? creep

target

Exit (14) write(target) ? creep

Call (14) nl ? creep

Exit (14) nl ? creep

Exit (13) move(1, source, target, _10656) ? creep

Call (13) move(2, aux, target, source) ? creep

Call (14) 2>1 ? creep

Exit (14) 2>1 ? creep

Call (14) _13840 is 2+ -1 ? creep

Exit (14) 1 is 2+ -1 ? creep

Call: (13) move(2, aux, target, source) ? creep

Call: (14) 2>1 ? creep

Exit: (14) 2>1 ? creep

Call: (14) _13840 is 2+ -1 ? creep

Exit: (14) 1 is 2+ -1 ? creep

Call: (14) move(1, aux, source, target) ? creep

Call: (15) write('Move top disk from ') ? creep

Move top disk from

Exit: (15) write('Move top disk from ') ? creep

Call: (15) write(aux) ? creep

aux

Exit: (15) write(aux) ? creep

Call: (15) write(' to ') ? creep

to

Exit: (15) write(' to ') ? creep

Call: (15) write(source) ? creep

source

Exit: (15) write(source) ? creep

Call: (15) nl ? creep

Exit: (15) nl ? creep

Exit: (14) move(1, aux, source, target) ? creep

Call: (14) move(1, aux, target, _25220) ? creep

Call: (15) write('Move top disk from ') ? creep

Move top disk from

Exit: (15) write('Move top disk from ') ? creep

Call: (15) write(aux) ? creep

aux

Exit: (15) write(aux) ? creep

Call: (15) write(' to ') ? creep

to

Exit: (15) write(' to ') ? creep

Call: (15) write(target) ? creep

target

Exit: (15) write(target) ? creep

Call: (15) nl ? creep

Exit (15) nl ? creep

Exit (14) move(1, aux, target, _34082) ? creep

Call (14) move(1, source, target, aux) ? creep

Call (15) write('Move top disk from ') ? creep

Move top disk from

Exit (15) write('Move top disk from ') ? creep

Call (15) write(source) ? creep

source

Exit (15) write(source) ? creep

Call (15) write(' to ') ? creep

to

Exit (15) write(' to ') ? creep

Call (15) write(target) ? creep

target

Exit (15) write(target) ? creep

Call (15) nl ? creep

Exit (15) nl ? creep

Exit (14) move(1, source, target, aux) ? creep

Exit (13) move(2, aux, target, source) ? creep

Exit (12) move(3, source, target, aux) ? creep

true ;