

5.prolog (monkey banana)

% Production rules:

can_reach → clever,close.

get_on: → can_climb.

under → in room,in_room, in_room,can_climb.

Close → get_on,under | tall

% Clauses:

in_room(bananas).

in_room(chair).

in_room(monkey).

clever(monkey).

can_climb(monkey, chair).

tall(chair).

can_move(monkey, chair, bananas).

can_reach(X, Y):-clever(X),close(X, Y).

get_on(X,Y):-

can_climb(X,Y).

under(Y,Z):-

in_room(X),in_room(Y),

in_room(Z),can_climb(X,Y,Z).

close(X,Z):-

get_on(X, Y), under(Y,Z);

tall(Y).