```
19. Write a Prolog program to implement Monkey Banana Problem.
Program:
move(state(middle,onbox,middle,hasnot),
        grasp,
        state(middle,onbox,middle,has)).
move(state(P,onfloor,P,H),
        climb,
        state(P,onbox,P,H)).
move(state(P1,onfloor,P1,H),
        drag(P1,P2),
        state(P2,onfloor,P2,H)).
move(state(P1,onfloor,B,H),
        walk(P1,P2),
        state(P2,onfloor,B,H)).
canget(state(_,_,,has)).
canget(State1):-
         move(State1,_,State2),
        canget(State2).
OUTPUT:
                             rs/rohith kumar/onedrive/documents/prolog/money banana problem compiled 0.00 sec, 0 clauses canget(state(atdoor, onfloor, atwindow, hasnot)).
true.

[trace] ?- canget(state(atdoor, onfloor, atwindow, hasnot))
Call: (10) canget(state(atdoor, onfloor, atwindow, hasnot)) ? creep
Call: (11) move(state(atdoor, onfloor, atwindow, hasnot), l1306, l1246) ? creep
Exit: (11) move(state(atdoor, onfloor, atwindow, hasnot), walk(atdoor, l2010), state(l2010, onfloor, atwindow, hasnot)) ? creep
Call: (11) canget(state(l2010, onfloor, atwindow, hasnot), l3590, l15300) ? creep
Call: (12) move(state(atwindow, onfloor, atwindow, hasnot), l13590, l15300) ? creep
Exit: (12) move(state(atwindow, onfloor, atwindow, hasnot), l13590, l15300) ? creep
Call: (12) canget(state(atwindow, onfloor, atwindow, hasnot)) ? creep
Call: (13) move(state(atwindow, onbox, atwindow, hasnot), r2 creep
Fail: (13) move(state(atwindow, onbox, atwindow, hasnot), l6626, l5808) ? creep
Fail: (13) move(state(atwindow, onbox, atwindow, hasnot), r2 creep
Fail: (12) canget(state(atwindow, onfloor, atwindow, hasnot), r3 creep
Fail: (12) move(state(atwindow, onfloor, atwindow, hasnot), r3 creep
Exit: (12) move(state(l2010, onfloor, atwindow, hasnot), r3 creep
Call: (13) move(state(l3038, onfloor, l8038, hasnot), r3 creep
Call: (13) move(state(l8038, onfloor, l8038, hasnot), clab, state(l8038, onfloor, l8038, hasnot)) ? creep
Call: (13) move(state(l8038, onfloor, l8038, hasnot), clab, state(l8038, onfloor, l8038, hasnot)) ? creep
Exit: (13) move(state(l8038, onbox, l8038, hasnot)) ? creep
Exit: (14) move(state(l8038, onbox, l8038, hasnot)) ? creep
Exit: (14) move(state(middle, onbox, middle, hasnot)) ? creep
Exit: (14) canget(state(middle, onbox, middle, hasnot)) ? creep
Exit: (14) canget(state(middle, onbox, middle, hasnot)) ? creep
Exit: (14) canget(state(middle, onbox, middle, hasnot)) ? creep
Exit: (11) canget(state(middle, onfloor, atwindow, hasnot)) ? creep
Exit: (11) canget(state(middle, onfloor, atwindow, has
```