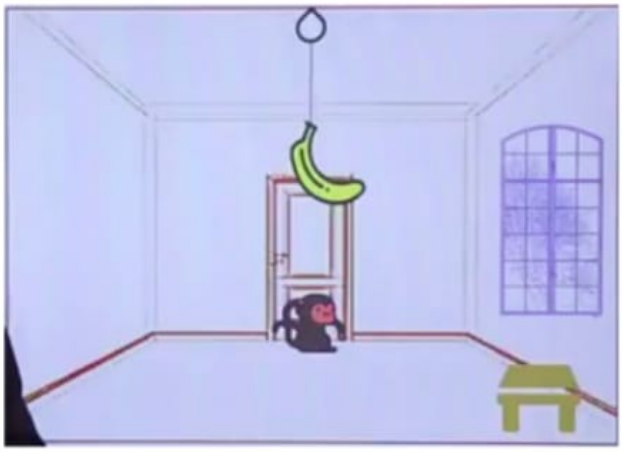
Assignment – 6

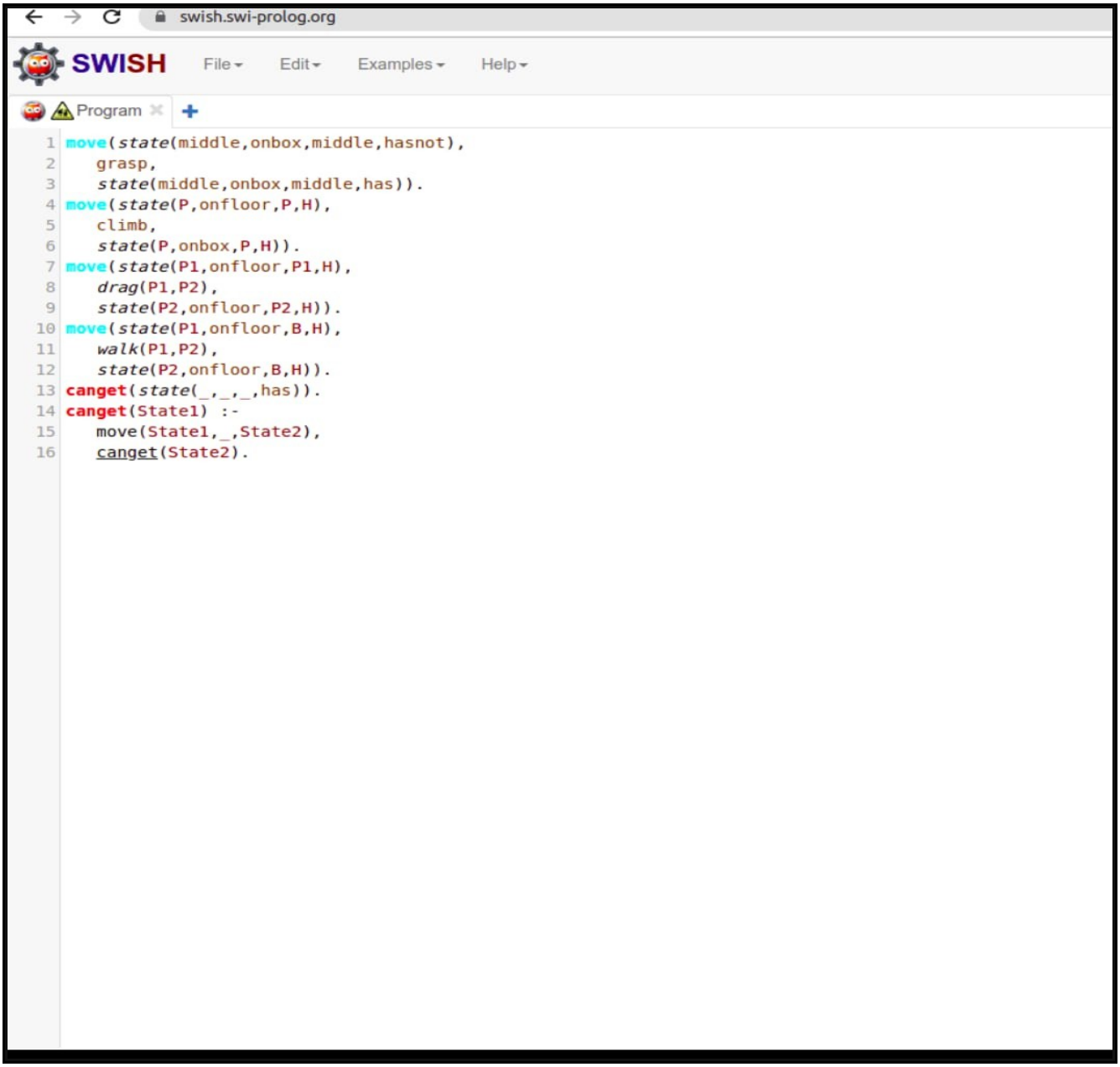
Assignment 6

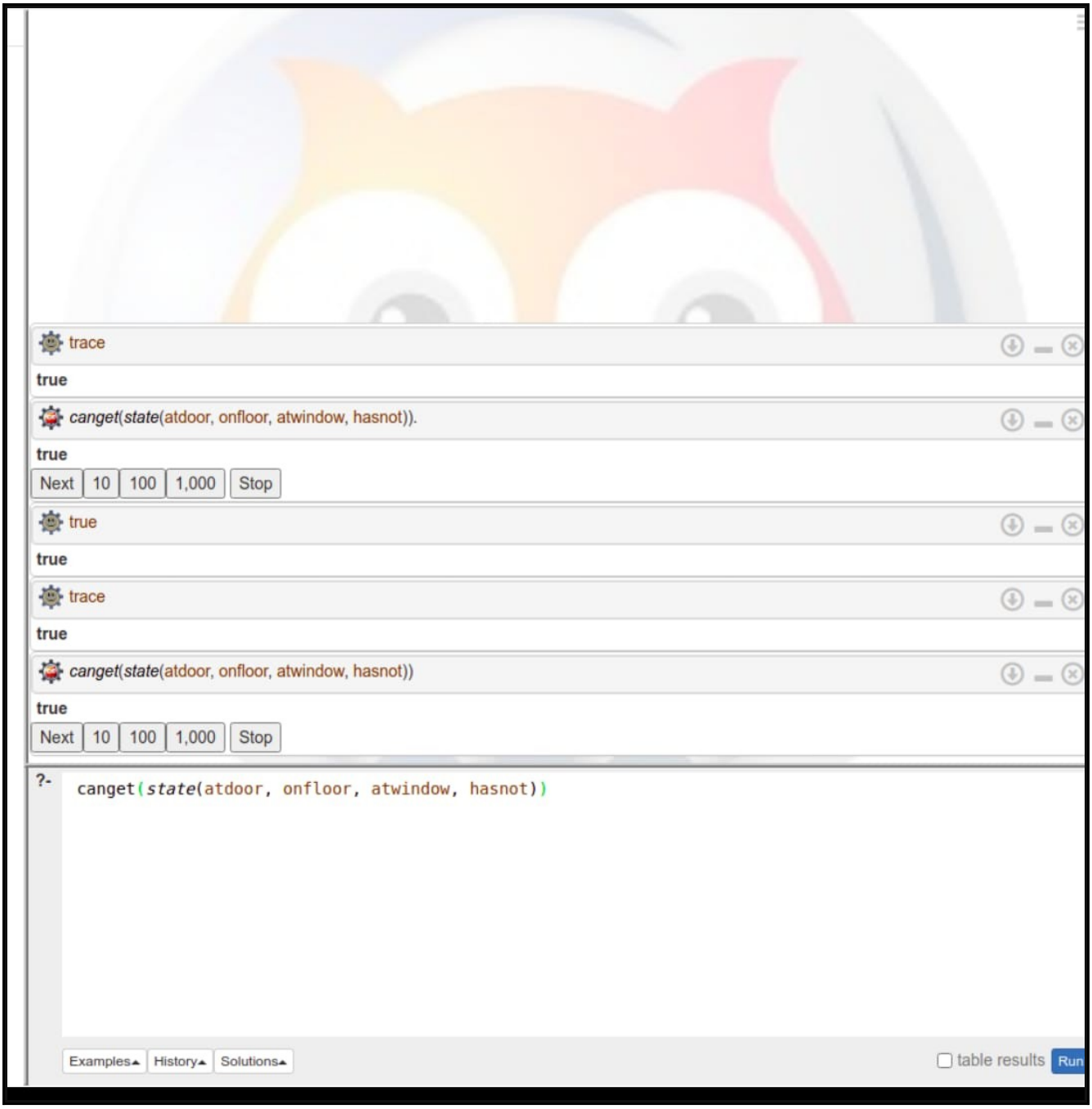
Monkey is on the floor, at door. A block is on floor, at window. Banana is hanging from the roof at the middle of room. Problem is "How monkey can get the banana?"
Write a PROLOG program for Monkey Banana Problem.



```
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).
```




trace
true
canget(state(atdoor, onfloor, atwindow, hasnot)).
true
Next 10 100 1,000 Stop
true
true
trace
true
canget(state(atdoor, onfloor, atwindow, hasnot))
true
Next 10 100 1,000 Stop
?-
canget(state(atdoor, onfloor, atwindow, hasnot))
Examples History Solutions
table results
Run