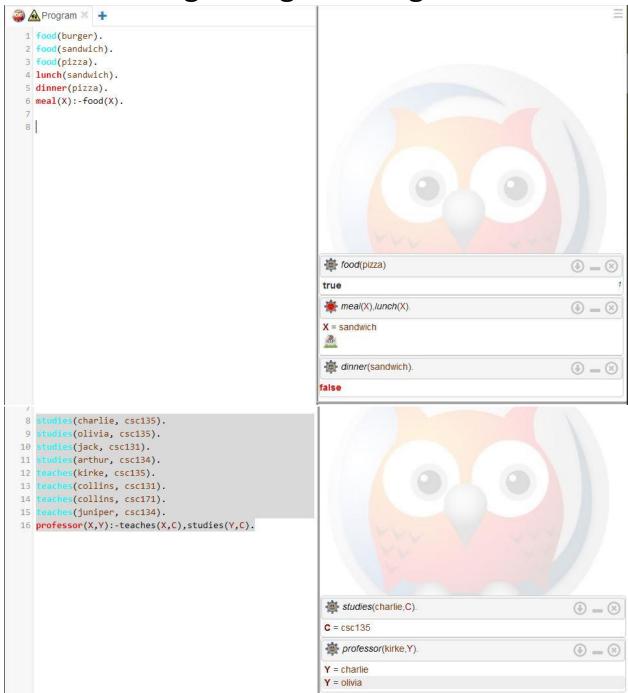
Logic Programming Lab



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CS 414
12 teaches(kirke, csc135).

    owns(john,X).

                                                                                                               (4) = (8)
13 teaches(collins, csc131).
14 teaches(collins, csc171).
                                                             X = car(chevy)
15 teaches(juniper, csc134).

    owns(john,_).
16 professor(X,Y):-teaches(X,C),studies(Y,C).
                                                             true
18 owns(jack, car(bmw)).
19 owns(john, car(chevy)).

    owns(Who,car(chevy)).

20 owns(olivia, car(civic)).
                                                             Who = john
21 owns(jane, car(chevy)).
                                                             Who = jane
22 sedan(X):- X = car(bmw); X = car(civic).
23 truck(X):- X = car(chevy).
                                                             owns(jane,X),sedan(X).
24
                                                            false
25 cat(fubby).
26 blackspot(fubby).

    owns(jane,X),truck(X).

27 dog(figaro).
28 whitespot(figaro).
                                                             X = car(chevy)
29 ownsPet(mary,X):-cat(X),blackspot(X).
                                                             ?- owns(jane,X),truck(X).
30 loves(Y,X):-ownsPet(Y,X).
8 studies(charlie, csc135).
9 studies(olivia, csc135).
                                                             isting(cat).
                                                                                                               (4) = (8)
10 studies(jack, csc131).
11 studies(arthur, csc134).
                                                             cat(fubby).
12 teaches(kirke, csc135).
13 teaches(collins, csc131).
                                                             true
14 teaches(collins, csc171).
                                                             isting(ownsPet).
                                                                                                               (1) = (8)
15 teaches(juniper, csc134).
16 professor(X,Y):-teaches(X,C),studies(Y,C).
                                                             ownsPet(mary, X) :-
                                                                 cat(X),
18 owns(jack, car(bmw)).
                                                                 blackspot(X).
19 owns(john, car(chevy)).
20 owns(olivia, car(civic)).
                                                             true
21 owns(jane, car(chevy)).
22 sedan(X):- X = car(bmw); X = car(civic).
                                                             / loves(Who, What).
23 truck(X):- X = car(chevy).
                                                             What = fubby,
25 cat(fubby).
                                                             Who = mary
26 blackspot(fubby).
                                                             ownsPet(mary,_).
27 dog(figaro).
28 whitespot(figaro).
                                                             true
29 ownsPet(mary,X):-cat(X),blackspot(X).
```

?- ownsPet(mary,_).

30 loves(X,Y):-ownsPet(X,Y).