% Father relationships

father(homer, bart).

father(bart, rose).

father(bart, john).

% Mother relationships

mother(jane, ruth).

mother(marge, bart).

mother(marge, ruth).

% Only child definition

onlychild(X) :- father(T, X), \+ (father(T, Y), X \= Y).

% Descendant relationship

descend(X, Y) :- father(X, Y); mother(X, Y).

% Lions and Tigers

lions(zakayo).

lions(peace).

tiger(jerry).

% Persons and relationships

person(mary).

person(rose).

% Loves relationship

loves(mary, jerry).

loves(jesica, rose).

loves(rose, jerry).

% Search for people who do not love lions or tigers

search(X) :- person(X), \+ (loves(X, Y), lions(Y); loves(X, Y), tiger(Y)).

% Define animal lovers

animallover(Y) :- loves(X, Y), lions(Y); loves(X, Y), tiger(Y).