% Knowledge Base

% Facts

has\_hair(dog).

has\_feathers(parrot).

gives\_milk(cow).

lays\_eggs(parrot).

can\_fly(parrot).

eats\_meat(tiger).

has\_stripes(tiger).

% Rules

is\_mammal(X) :- has\_hair(X).

is\_mammal(X) :- gives\_milk(X).

is\_bird(X) :- has\_feathers(X), lays\_eggs(X), can\_fly(X).

is\_carnivore(X) :- eats\_meat(X).

is\_tiger(X) :- is\_mammal(X), has\_stripes(X), is\_carnivore(X).

% Backward Chaining Queries

% To classify an animal, ask:

% ?- is\_mammal(dog).

% ?- is\_bird(parrot).

% ?- is\_tiger(tiger).

