1. **Knowledge Base**

wizard(lili).

wizard(ruth).

wizard(albert).

wizard(X) :- father(Y, X), wizard(Y), mother(Z, X), wizard(Z).

father(albert, james).

father(james, harry).

mother(ruth, james).

mother(lili, harry).

scares(hagrid, dudley).

magical(X) :- wizard(X).

hates(vernon, X) :- magical(X).

hates(petunia, X) :- magical(X) ; scares(X, dudley).

**Prolog Queries**

* hates(petunia, hagrid).
* hates(vernon, X).
* hates(petunia, X).

1. **Knowledge Base**

directlyIn(katarina, anastasia).

directlyIn(olga, katarina).

directlyIn(natasha, olga).

directlyIn(irina, natasha).

isIn(X, Y) :- directlyIn(X, Y).

isIn(X, Y) :- directlyIn(X, Z), isIn(Z, Y).