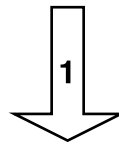


$r1: \text{livesIn}(X, Z) :- \text{isMarriedTo}(X, Y) \wedge \text{livesIn}(Y, Z)$
 $r2: \text{actedIn}(X, Z) :- \text{isMarriedTo}(X, Y) \wedge \text{directed}(Y, Z)$
 ...



$r1: \text{livesIn}(X, Z) :- \text{isMarriedTo}(X, Y) \wedge \text{livesIn}(Y, Z) \wedge$
 $\quad \text{not } \mathbf{researcher}(X)$
 $r2: \text{actedIn}(X, Z) :- \text{isMarriedTo}(X, Y) \wedge \text{directed}(Y, Z) \wedge$
 $\quad \text{not } \mathbf{silentFilmActor}(X)$
 ...

