G

$r1$: livesIn(X, Z) :- isMarriedTo(X, Y) ^ livesIn(Y, Z)
$r2$: actedIn(X, Z) :- isMarriedTo(X,Y) ^ directed(Y, Z)
...

1
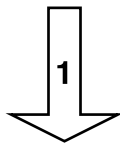
$r3$: livesIn(X, Z) :- isMarriedTo(X, Y) ^ livesIn(Y, Z) ^
    not **researcher**(X)
$r4$: livesIn(X, Z) :- isMarriedTo(X, Y) ^ livesIn(Y, Z) ^
    not **singer**(Z)
$r5$: actedIn(X, Z) :- isMarriedTo(X,Y) ^ directed(Y, Z) ^
    not **silentFilmActor**(X)
...

4

2
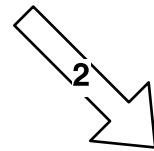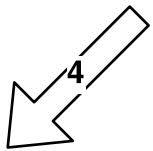
Component 5

Ranking
Exceptions

3

G'