


Part A

 `loves(X, mia).`

**X** = vincent

 `jealous(X, Y).`

**X** = Y, **Y** = vincent


 `dating(sally,dan).`

true

 `friendship(josh,brittney).`


true

Part B

 `warmer_than(phoenix,la).`

phoenix is warmer than la


true

 `colder_than(boston,dallas).`

boston is colder than dallas

true

Part C


 `actor(_, A, _), director(_, A).`

**A** = joseph\_d\_kucan


**A** = g\_rard\_depardieu

**A** = joel\_coen

**A** = joel\_coen

 `actor(M, john_goodman, _), actor(M, jeff_bridges, _).`

**M** = the big lebowski


 `released_after(M, 2000).`

**M** = cq

**M** = girl\_with\_a\_pearl\_earring

**M** = hail\_caesar


Next 10 100 1,000 Stop

 `released_before(M, 2000).`

**M** = american\_beauty

**M** = anna

**M** = barton\_fink

 `same_year(M1, M2).`

**M1** = american\_beauty,

**M2** = star\_wars\_episode\_i\_the\_phantom\_menace

**M1** = american\_beauty,


**M2** = torrance\_rises

**M1** = american\_beauty,

**M2** = the\_virgin\_suicides

**M1** = american\_beauty,

**M2** = my\_brother\_the\_pig

 `co_star(A1, A2).`

**A1** = kevin\_spacey,

**A2** = wes\_bentley

**A1** = kevin\_spacey,

**A2** = chris\_cooper

**A1** = kevin\_spacey,

**A2** = peter\_gallagher