

eval\_query (G = [ animal("Z") ], subs =[] )  
--> result = [ [ { "Z", tom }, { "1", tom } ]; [ { "Z", jerry }, { "1", jerry } ] ]

db =  
1

cat(tom)

animal("X") :- cat("X")

cat(jerry)

9

unify( { animal("Z"), cat(tom) } )  
--> Fail

2

unify( { animal("Z"), animal("1") } )  
--> [ { "Z", "1" } ]

unify( { animal("Z"), cat(jerry) } )  
--> Fail

3

eval\_query (G' = [ cat("1") ], subs =[ { "Z", "1" } ] )  
--> result = [ [ { "Z", tom }, { "1", tom } ]; [ { "Z", jerry }, { "1", jerry } ] ]

db =

cat(tom)

animal("X") :- cat("X")

cat(jerry)

4

6

7

unify( { cat("1"), cat(tom) } )  
--> [ { "1", tom } ]

unify( { cat("1"), animal("2") } )  
--> Fail

unify( { cat("1"), cat(jerry) } )  
--> [ { "1", jerry } ]

5

8

eval\_query (G' = [ ], subs =[ { "Z", tom }, { "1", tom } ] )  
--> result = [ [ { "Z", tom }, { "1", tom } ] ]

eval\_query (G' = [ ], subs =[ { "Z", jerry }, { "1", jerry } ] )  
--> result = [ [ { "Z", jerry }, { "1", jerry } ] ]