Welcome to the

Making IT matter

with Neo4j

(and some Football)

Graphs?!?

The Database Kind

NOT ONLY

SQL

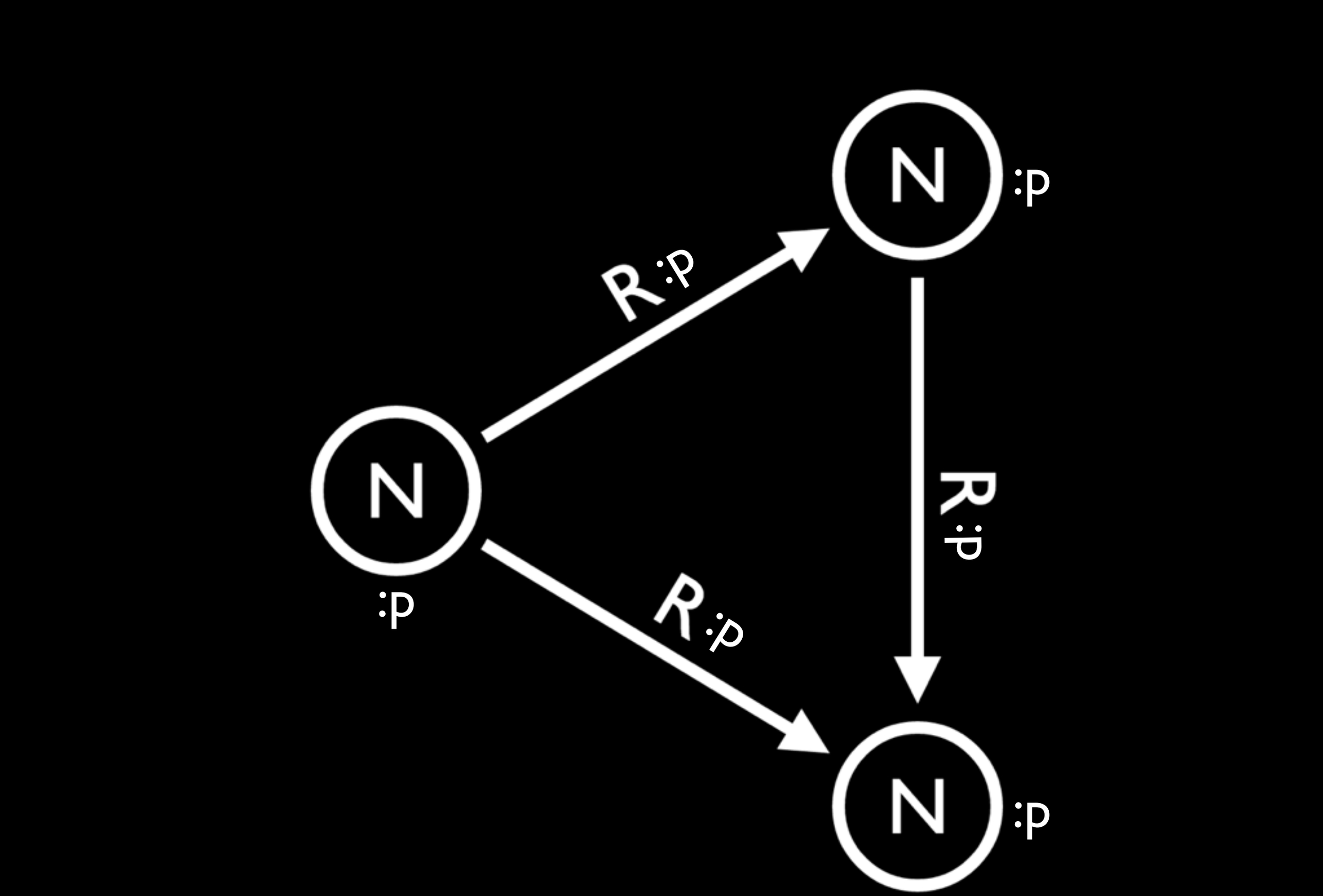
Key-Value

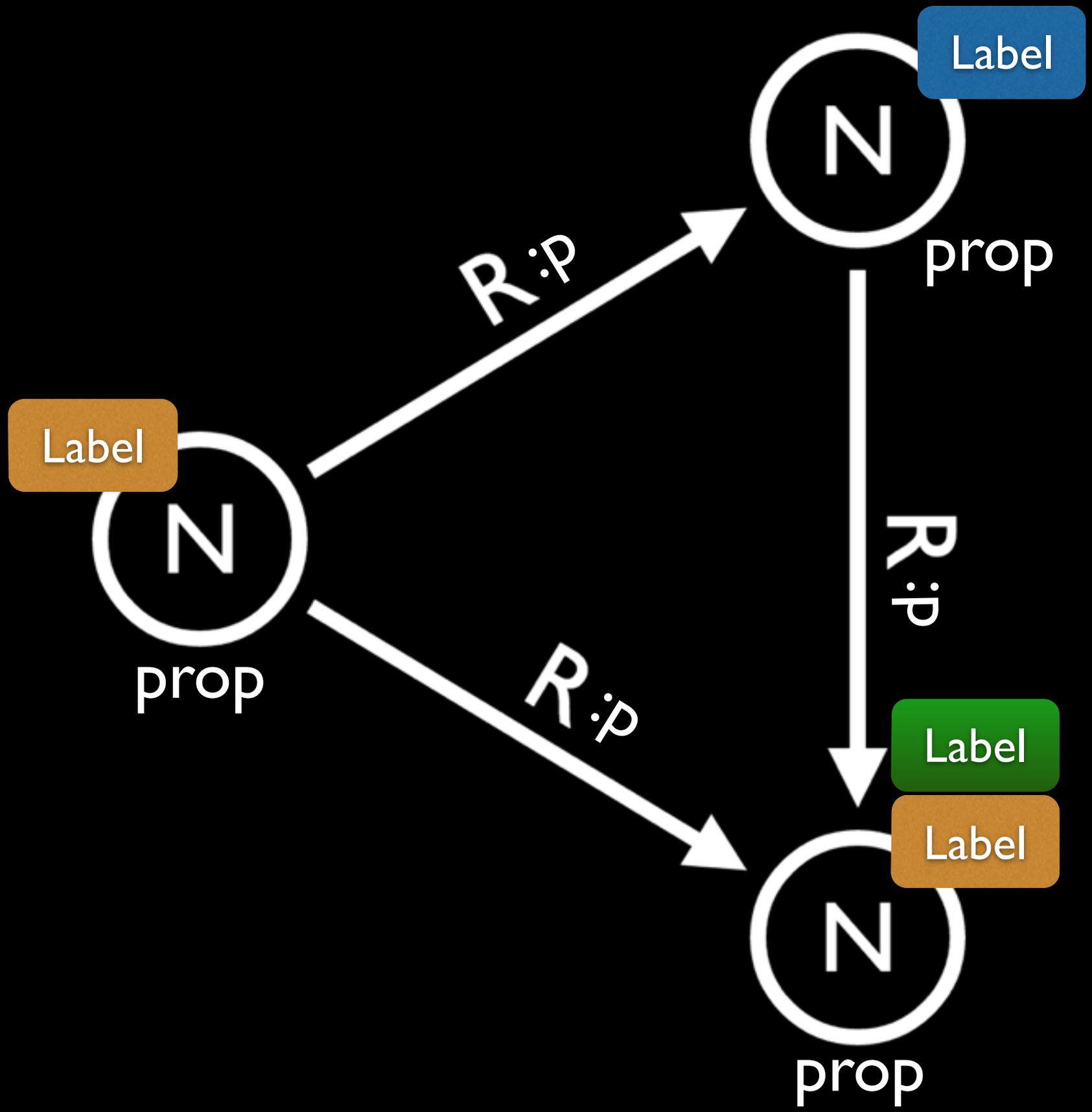
Document

Column-Family

Graph

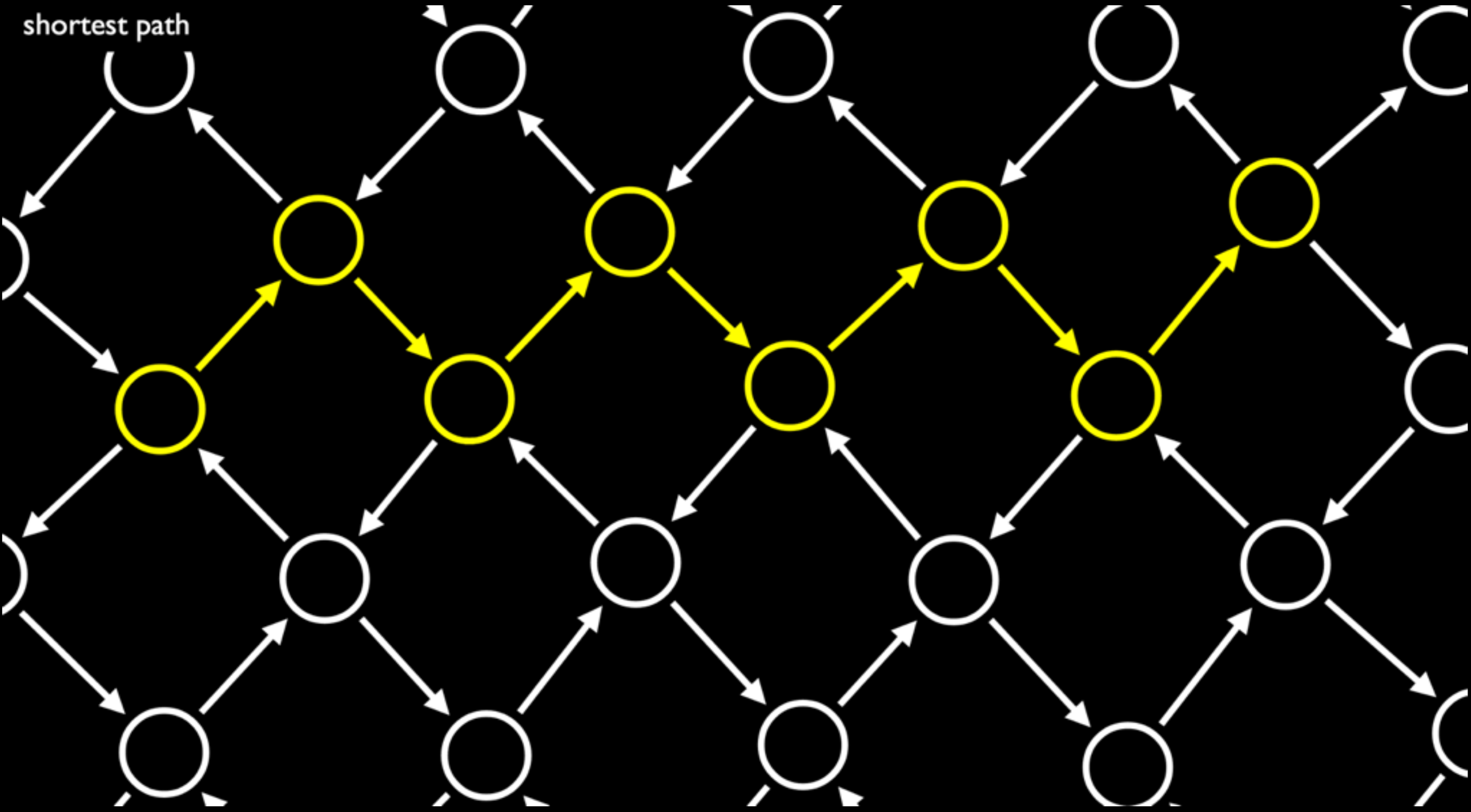
Graph Databases


N
:p
R :p
N
:p
R :p
R :p
N
:p

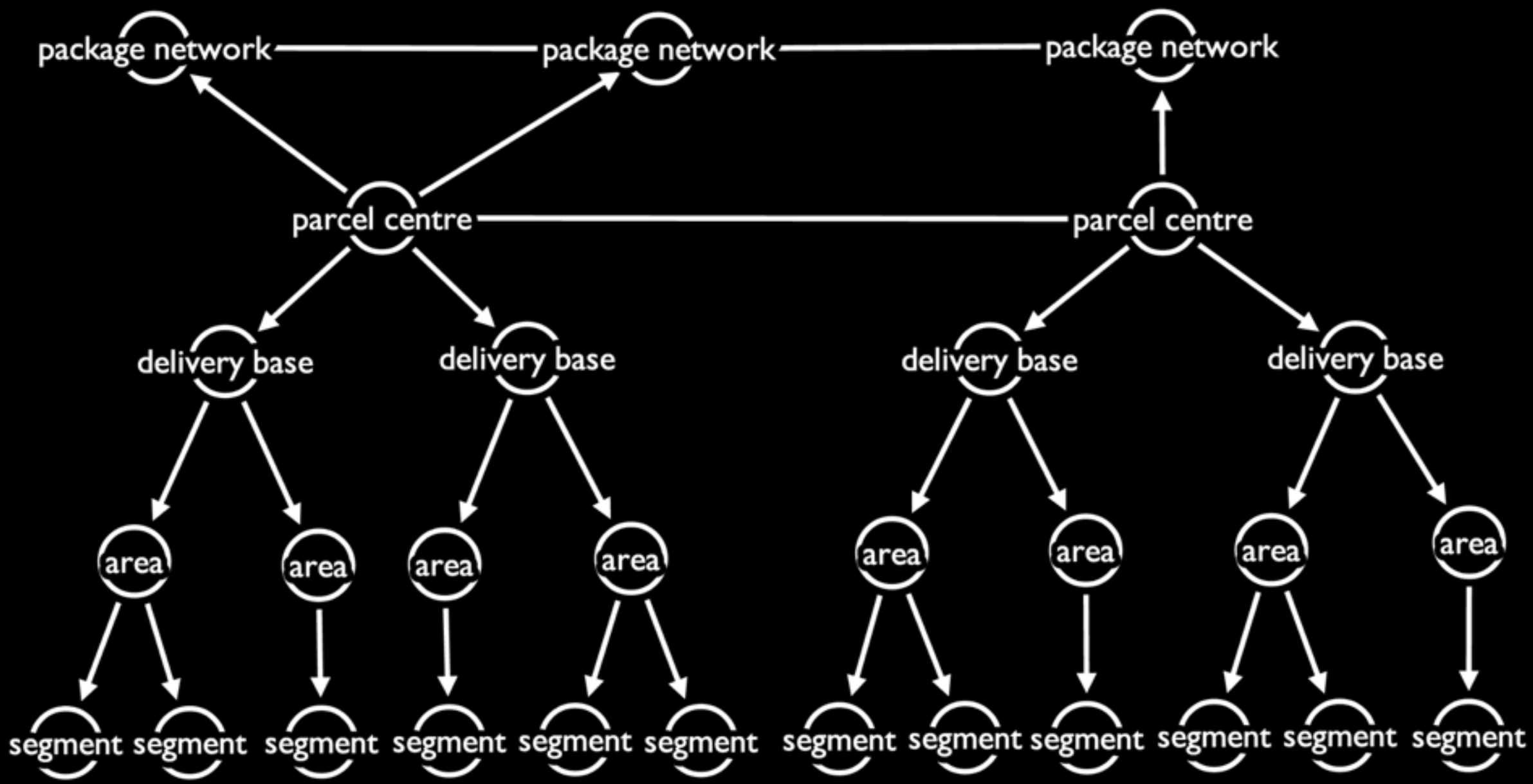

Label
N
prop
R :p
Label
N
prop
R :p
R :p
Label
Label
N
prop

Graph Traversals

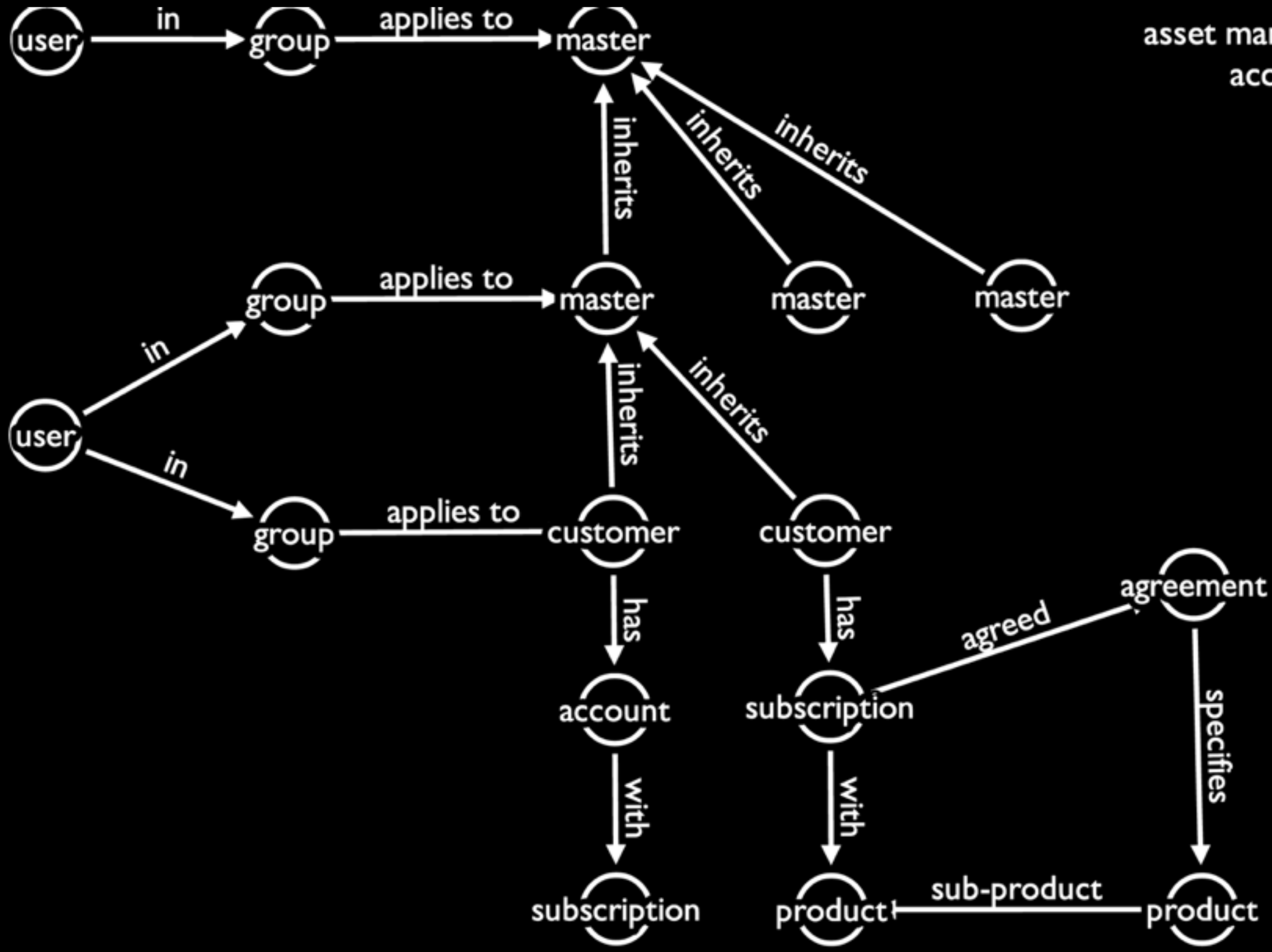
shortest path



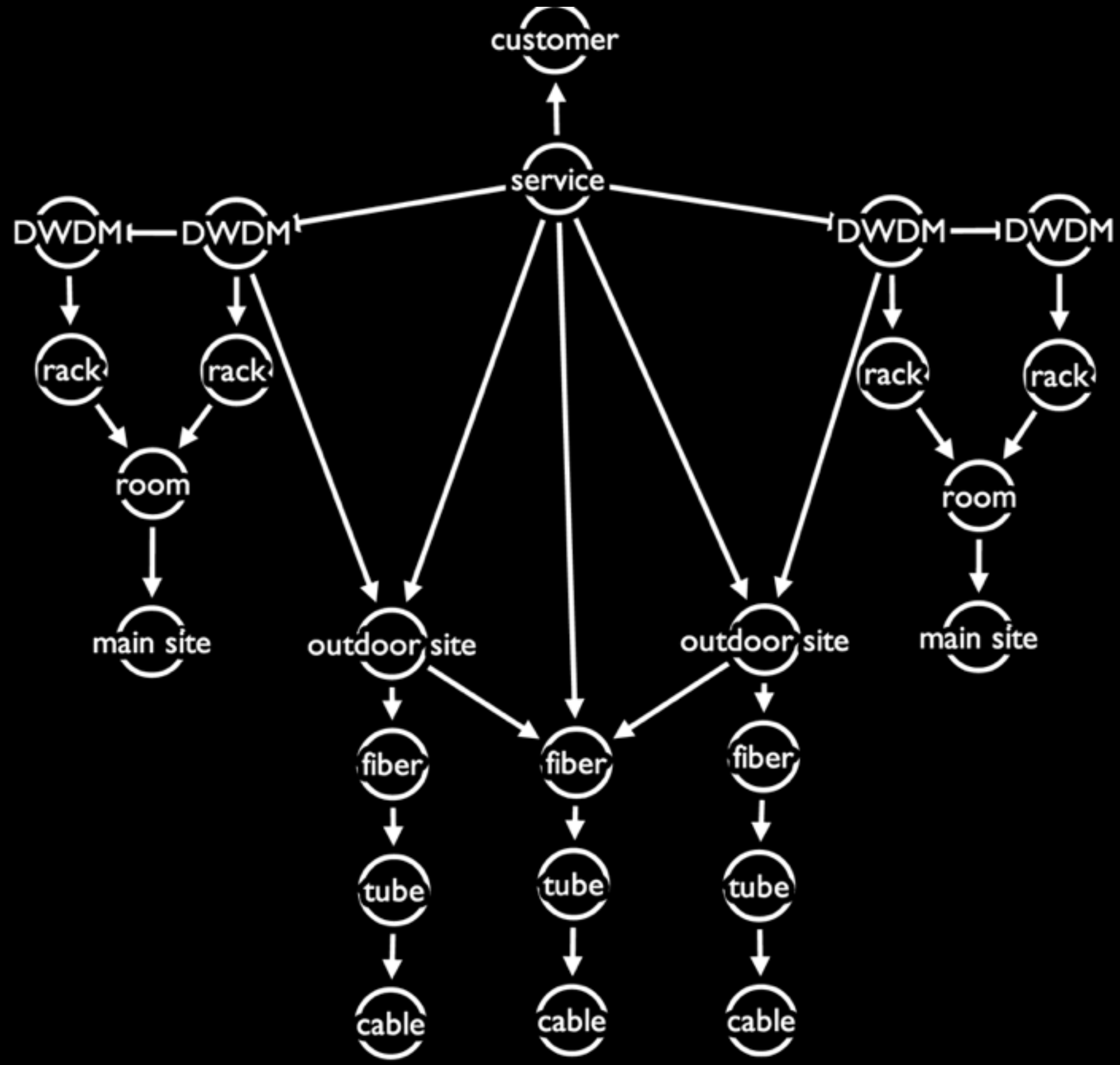
logistics


package network
package network
package network
parcel centre
parcel centre
delivery base
delivery base
delivery base
delivery base
area
area
area
area
area
area
area
area
segment
segment
segment
segment
segment
segment
segment
segment
segment
segment
segment
segment

asset management &
access control



network impact
analysis



Why IT matters?

I. Deep Joins

Why IT matters?

2. Pathfinding

Plenty of other “matters”

(modelling, agile, flexible, easy, fast, cost-effective, developer friendly, real-time, fun, visual, beautiful, fascinating, cool)

Love Beer

The Belgian Kind

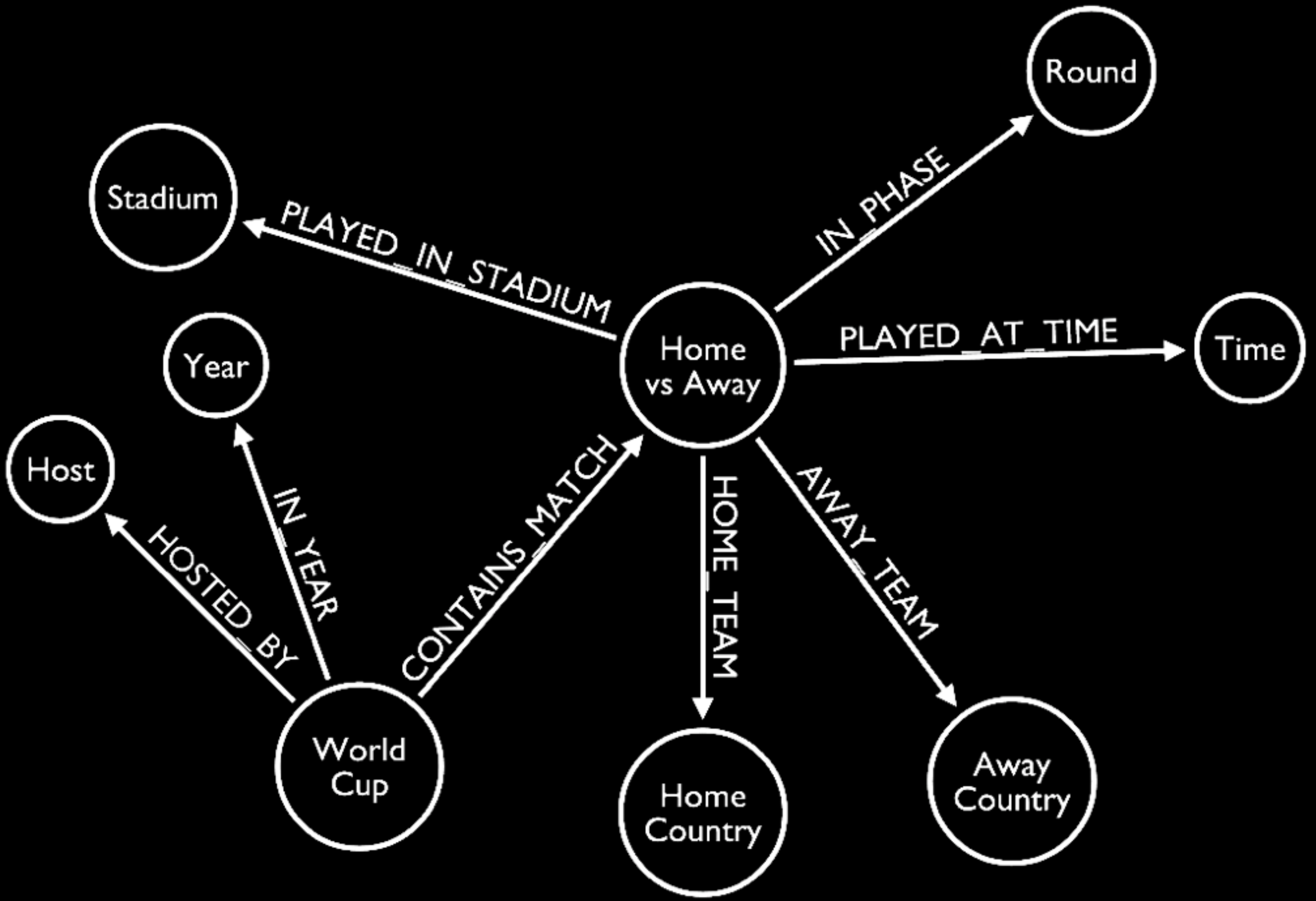
Belgian Beer Graph?

WorldCup

Graph!

Neo4j 2.x

Labeled Property Graph
Indexing - reloaded
Cypher - reloaded
The Browser
ETL tooling
Performance & Usability…


Round
Stadium
PLAYED_IN_STADIUM
IN_PHASE
Year
Home
vs Away
PLAYED_AT_TIME
Time
Host
IN_YEAR
HOSTED_BY
CONTAINS_MATCH
HOME_TEAM
AWAY_TEAM
World
Cup
Home
Country
Away
Country

Cup Queries

REMEMBER:

1. DEEP JOINS MATTER!
2. PATHFINDING MATTERS!

The Morale

Graphs are GREAT
Graphs are EASY
(and I will let you watch the games for yourself)

rik@neotechnology.com

@rvanbruggen

blog.bruggen.com