Relational ➡ LPG
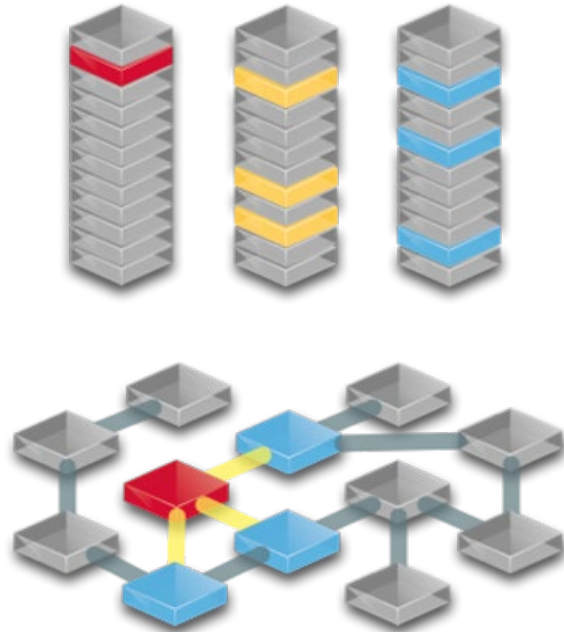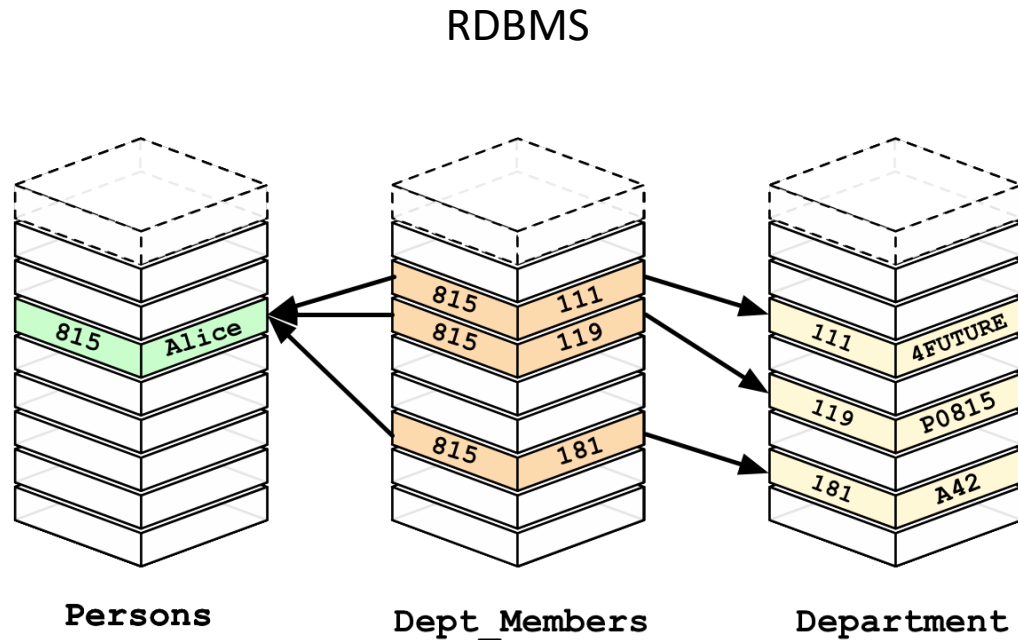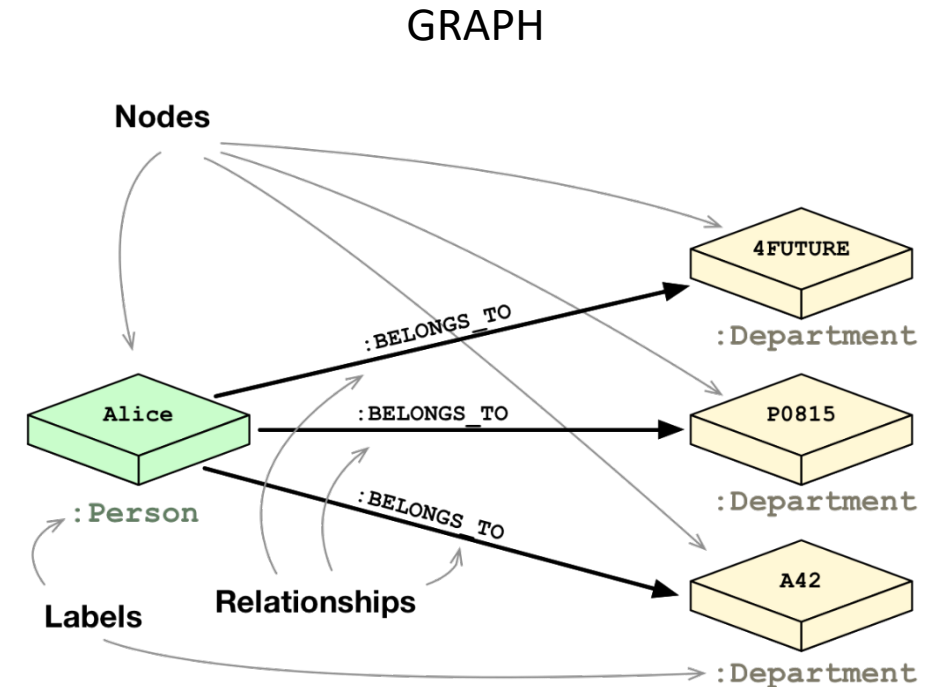
Relational ➡ Labeled Property Graph

Importance of Relationships

RDBMS

GRAPH

relationships are added «on-top» (foreign-keys)
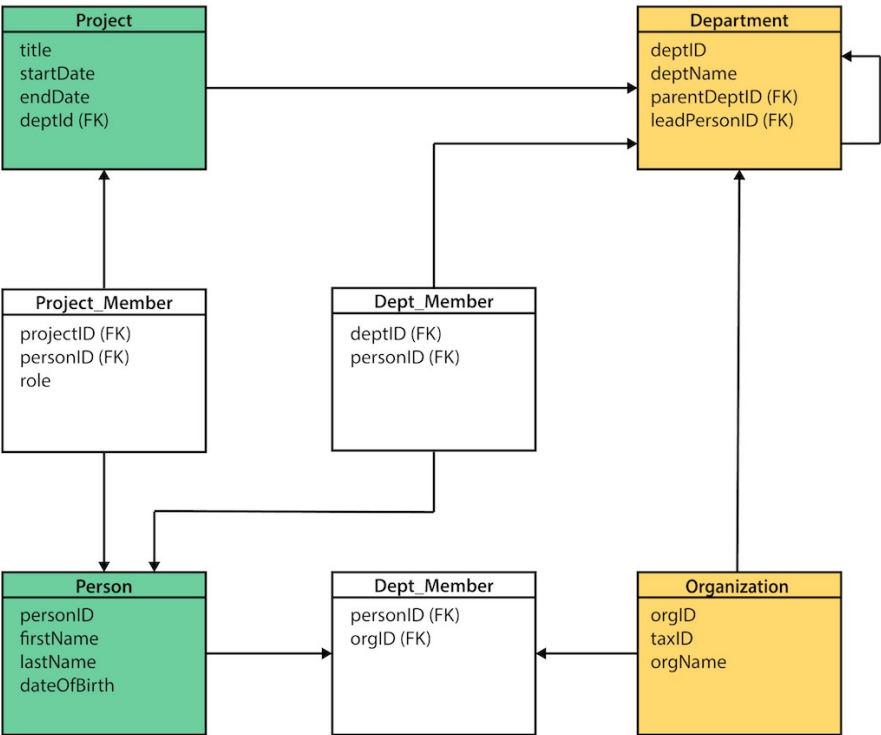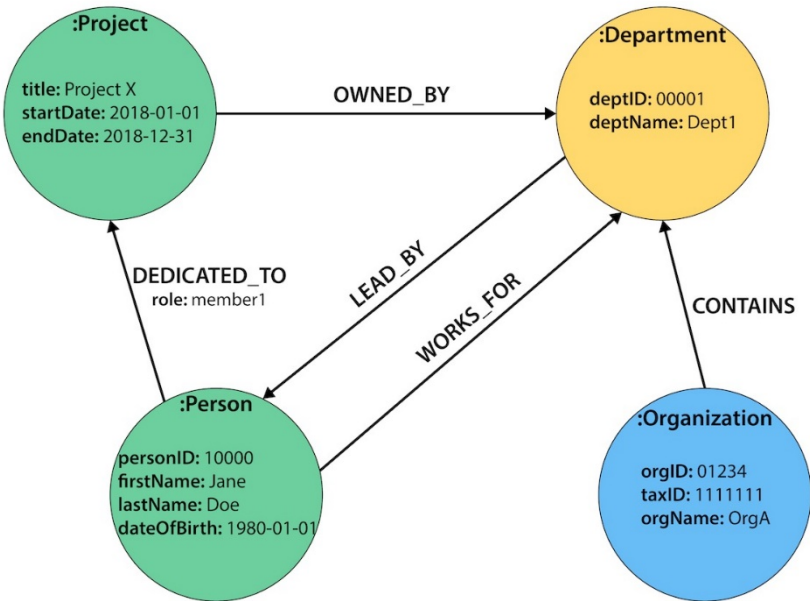
relationships are «first-class» elements (edges)

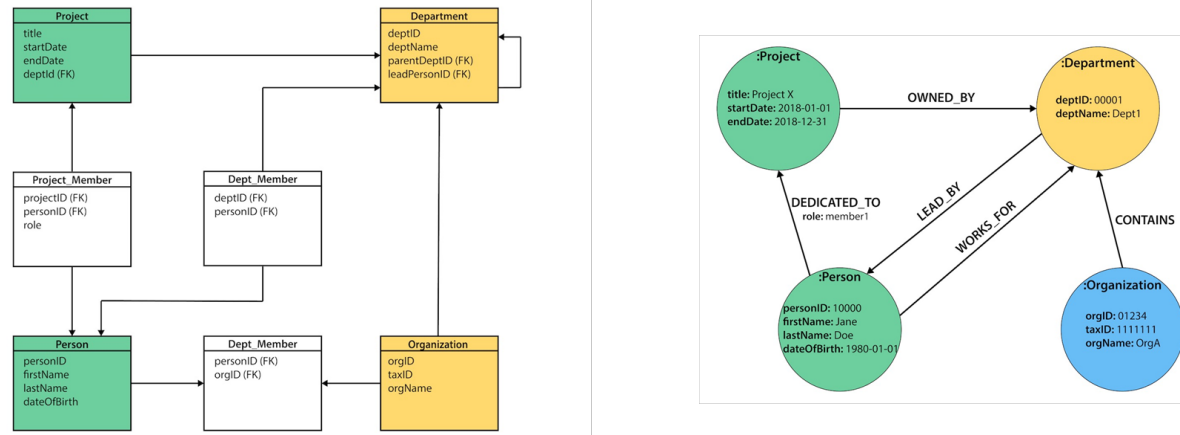# Relational ➡ Labeled Property Graph

Model

RDBMS

GRAPH

R. Vorburger

Relational ➡ Labeled Property Graph

Transform (RDBMS ➡ Graph)

- Each entity table is represented by a label on nodes
- Each row in an entity table is a node
- Columns on those tables become node properties
- Replace foreign keys with relationships to the other table, remove them afterwards
- Remove data with default values, no need to store those
- Join tables are transformed into relationships, columns on those tables become relationship properties