

Empress Matilda moved to Germany as a child

The diagram illustrates the evolution of a knowledge graph across 53 layers. Each layer shows a set of nodes (red circles) and their relationships (black lines with labels in white boxes). The nodes represent entities, and the relationships represent facts or connections between these entities. The graph starts with simple nodes like MONARCH, FEMALE, and EMPRESS, and gradually adds more specific entities like THE BEATLES, GERMANY, and KING STEPHEN, along with relationships like 'Is', 'Is Not', 'DiedIn', 'FatherOf', 'GrandchildOf', 'BornIn', 'CountryOf', and 'TitleOf'. The final layer (Layer 53) is highlighted with a dashed border.

Layer 4: MONARCH, FEMALE, EMPRESS. Relationships: MONARCH $\xrightarrow{\text{Is}}$ EMPRESS, FEMALE $\xrightarrow{\text{GenderOf}}$ EMPRESS.

Layer 5: NAME, EMPRESS MATILDA, EMPRESS. Relationships: NAME $\xrightarrow{\text{Is}}$ EMPRESS, EMPRESS MATILDA $\xrightarrow{\text{Is Not Name}}$ EMPRESS.

Layer 6: NAME, EMPRESS.

Layer 7: THE BEATLES, HISTORICAL FIGURE, EMPRESS MATILDA, BAND. Relationships: HISTORICAL FIGURE $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, THE BEATLES $\xrightarrow{\text{Is Not}}$ BAND.

Layer 8: HISTORICAL FIGURE, GERMANY, EMPRESS MATILDA. Relationships: HISTORICAL FIGURE $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, GERMANY $\xrightarrow{\text{Is Not Empress}}$ EMPRESS MATILDA.

Layer 10: HISTORICAL FIGURE, GERMANY, EMPRESS MATILDA. Relationships: HISTORICAL FIGURE $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, GERMANY $\xrightarrow{\text{Is Not Empress}}$ EMPRESS MATILDA.

Layer 11: THE BEATLES, HISTORICAL FIGURE, EMPRESS MATILDA, BAND. Relationships: HISTORICAL FIGURE $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, THE BEATLES $\xrightarrow{\text{Is Not}}$ BAND.

Layer 12: THE BEATLES, HISTORICAL FIGURE, EMPRESS MATILDA, BAND. Relationships: HISTORICAL FIGURE $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, THE BEATLES $\xrightarrow{\text{Is Not}}$ BAND.

Layer 15: ENGLAND, HISTORICAL FIGURE, EMPRESS MATILDA, EMPRESS, BAND. Relationships: HISTORICAL FIGURE $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, ENGLAND $\xrightarrow{\text{Is Not Of}}$ EMPRESS MATILDA, EMPRESS $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

Layer 16: HISTORICAL FIGURE, THE BEATLES, EMPRESS MATILDA, BAND. Relationships: HISTORICAL FIGURE $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, THE BEATLES $\xrightarrow{\text{Is Not}}$ BAND.

Layer 17: HISTORICAL FIGURE, THE BEATLES, EMPRESS MATILDA, BAND. Relationships: HISTORICAL FIGURE $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, THE BEATLES $\xrightarrow{\text{Is Not}}$ BAND.

Layer 18: HISTORICAL FIGURE, THE BEATLES, EMPRESS MATILDA, BAND. Relationships: HISTORICAL FIGURE $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, THE BEATLES $\xrightarrow{\text{Is Not}}$ BAND.

Layer 19: PERSON, EMPRESS MATILDA, BAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, BAND $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

Layer 21: HISTORICAL FIGURE, THE BEATLES, EMPRESS MATILDA, BAND. Relationships: HISTORICAL FIGURE $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, THE BEATLES $\xrightarrow{\text{Is Not}}$ BAND.

Layer 22: PERSON, EMPRESS MATILDA, BAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, BAND $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

Layer 23: PERSON, EMPRESS MATILDA, BAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, BAND $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

Layer 24: PERSON, EMPRESS MATILDA, BAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, BAND $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

Layer 25: PERSON, EMPRESS MATILDA, BAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, BAND $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

Layer 26: PERSON, EMPRESS MATILDA, BAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, BAND $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

Layer 28: PERSON, THE BEATLES, EMPRESS MATILDA, BAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, THE BEATLES $\xrightarrow{\text{Is Not}}$ BAND.

Layer 29: PERSON, THE BEATLES, EMPRESS MATILDA, BAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, THE BEATLES $\xrightarrow{\text{Is Not}}$ BAND.

Layer 30: PERSON, EMPRESS MATILDA, BAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, BAND $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

Layer 31: PERSON, THE BEATLES, EMPRESS MATILDA, BAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, THE BEATLES $\xrightarrow{\text{Is Not}}$ BAND.

Layer 32: PERSON, EMPRESS MATILDA, BAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, BAND $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

Layer 33: KING, EMPRESS, PERSON, EMPRESS MATILDA, WILLIAM THE CONQUEROR, KING HENRY I. Relationships: KING $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA, EMPRESS $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, WILLIAM THE CONQUEROR $\xrightarrow{\text{GrandchildOf}}$ EMPRESS MATILDA, KING HENRY I $\xrightarrow{\text{ChildOf}}$ EMPRESS MATILDA.

Layer 34: NOBLE, THE WHITE SHIP DISASTER, WILLIAM ADELIN, KING HENRY I, EMPRESS MATILDA, GERMANY. Relationships: NOBLE $\xrightarrow{\text{Is}}$ KING HENRY I, THE WHITE SHIP DISASTER $\xrightarrow{\text{DiedIn}}$ WILLIAM ADELIN, WILLIAM ADELIN $\xrightarrow{\text{FatherOf}}$ KING HENRY I, EMPRESS MATILDA $\xrightarrow{\text{BornIn}}$ GERMANY.

Layer 35: KING, EMPRESS, PERSON, EMPRESS MATILDA, WILLIAM THE CONQUEROR, KING HENRY I. Relationships: KING $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA, EMPRESS $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, WILLIAM THE CONQUEROR $\xrightarrow{\text{GrandchildOf}}$ EMPRESS MATILDA, KING HENRY I $\xrightarrow{\text{ChildOf}}$ EMPRESS MATILDA.

Layer 36: NOBLE, THE WHITE SHIP DISASTER, WILLIAM ADELIN, KING HENRY I, EMPRESS MATILDA, GERMANY. Relationships: NOBLE $\xrightarrow{\text{Is}}$ KING HENRY I, THE WHITE SHIP DISASTER $\xrightarrow{\text{DiedIn}}$ WILLIAM ADELIN, WILLIAM ADELIN $\xrightarrow{\text{FatherOf}}$ KING HENRY I, EMPRESS MATILDA $\xrightarrow{\text{BornIn}}$ GERMANY.

Layer 37: PERSON, WILLIAM THE CONQUEROR, EMPRESS MATILDA, KING HENRY I. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, WILLIAM THE CONQUEROR $\xrightarrow{\text{GrandchildOf}}$ EMPRESS MATILDA, KING HENRY I $\xrightarrow{\text{ChildOf}}$ EMPRESS MATILDA.

Layer 43: PERSON, HOLY ROMAN EMPRESS, EMPRESS MATILDA, ENGLAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, HOLY ROMAN EMPRESS $\xrightarrow{\text{TitleOf}}$ EMPRESS MATILDA, EMPRESS MATILDA $\xrightarrow{\text{BornIn}}$ ENGLAND.

Layer 45: PERSON, EMPRESS, EMPRESS MATILDA, ENGLAND. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, EMPRESS $\xrightarrow{\text{TitleOf}}$ EMPRESS MATILDA, EMPRESS MATILDA $\xrightarrow{\text{BornIn}}$ ENGLAND.

Layer 46: PERSON, ENGLAND, EMPRESS MATILDA, EMPRESS. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, ENGLAND $\xrightarrow{\text{CountryOf}}$ EMPRESS MATILDA, EMPRESS MATILDA $\xrightarrow{\text{Is}}$ EMPRESS.

Layer 47: EMPRESS, KING, EMPRESS MATILDA. Relationships: EMPRESS $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, KING $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

Layer 48: PERSON, ENGLAND, EMPRESS MATILDA, EMPRESS. Relationships: PERSON $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, ENGLAND $\xrightarrow{\text{CountryOf}}$ EMPRESS MATILDA, EMPRESS MATILDA $\xrightarrow{\text{Is}}$ EMPRESS.

Layer 49: EMPRESS, KING STEPHEN, EMPRESS MATILDA, KING. Relationships: EMPRESS $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, KING STEPHEN $\xrightarrow{\text{Is Not}}$ KING.

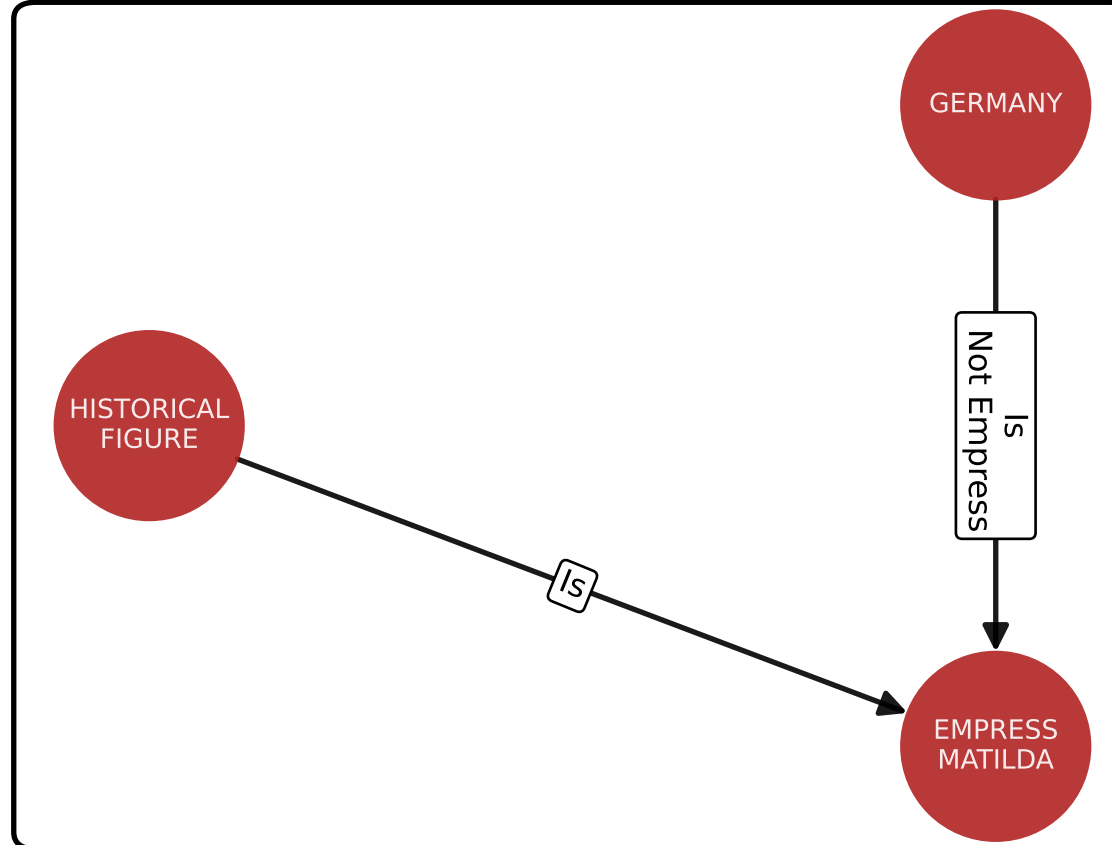
Layer 50: EMPRESS, KING, EMPRESS MATILDA. Relationships: EMPRESS $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, KING $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

Layer 51: EMPRESS, KING, EMPRESS MATILDA. Relationships: EMPRESS $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, KING $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

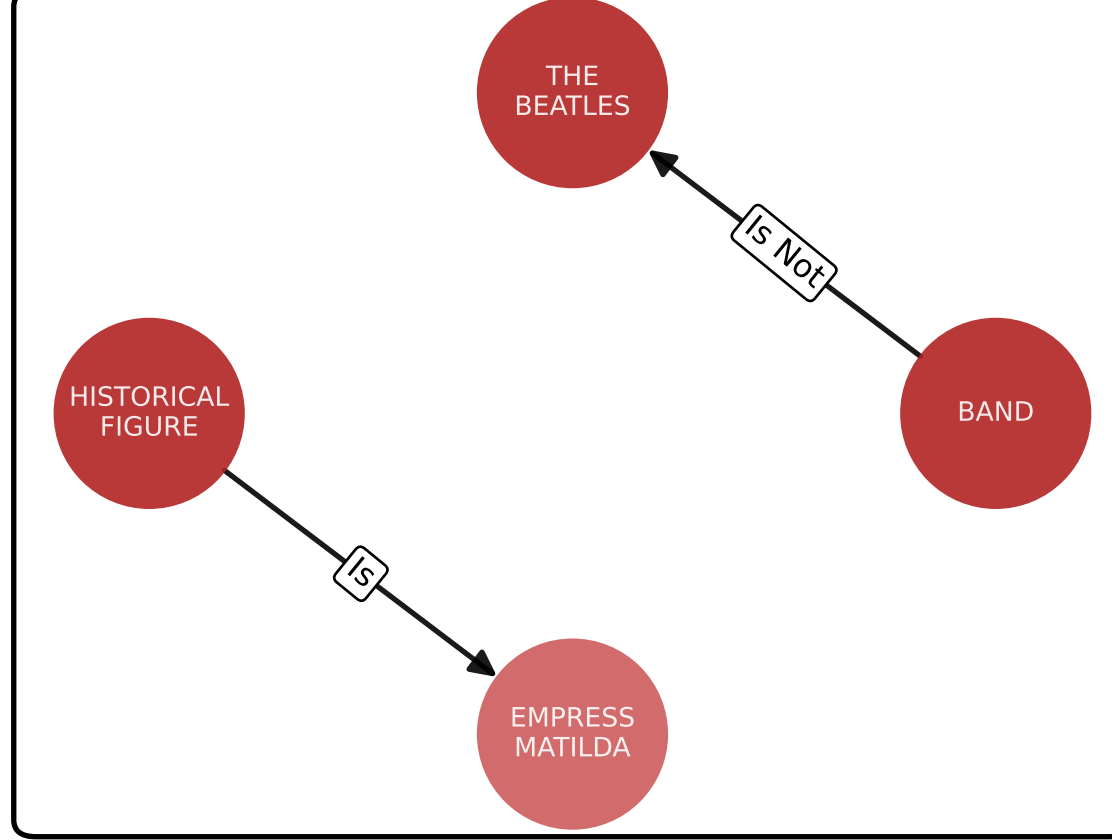
Layer 52: EMPRESS, KING, EMPRESS MATILDA. Relationships: EMPRESS $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, KING $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

Layer 53: EMPRESS, KING, EMPRESS MATILDA. Relationships: EMPRESS $\xrightarrow{\text{Is}}$ EMPRESS MATILDA, KING $\xrightarrow{\text{Is Not}}$ EMPRESS MATILDA.

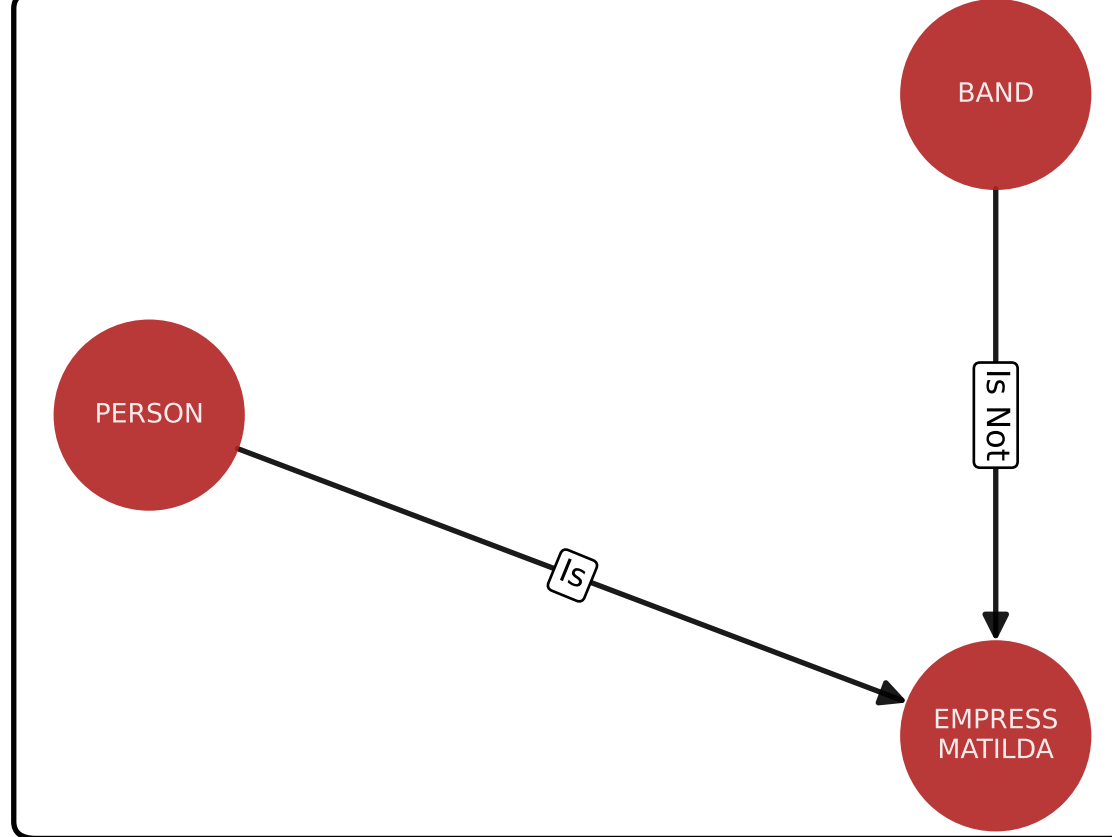
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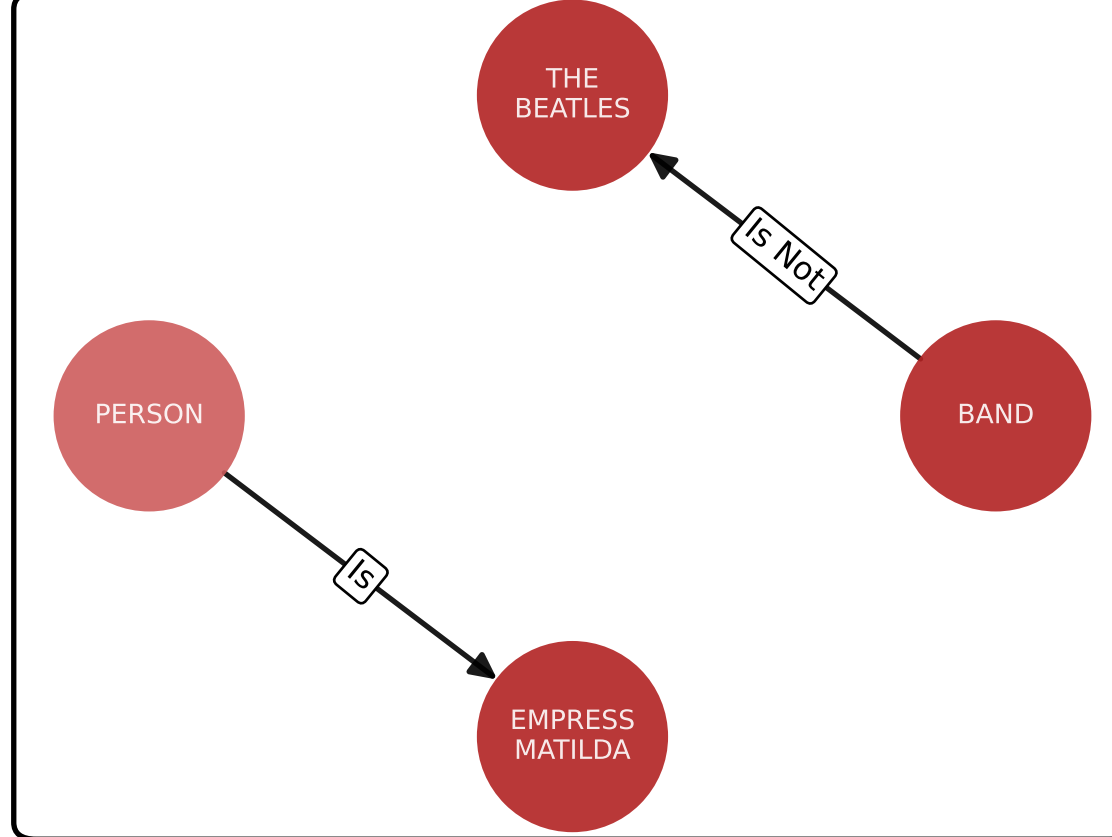
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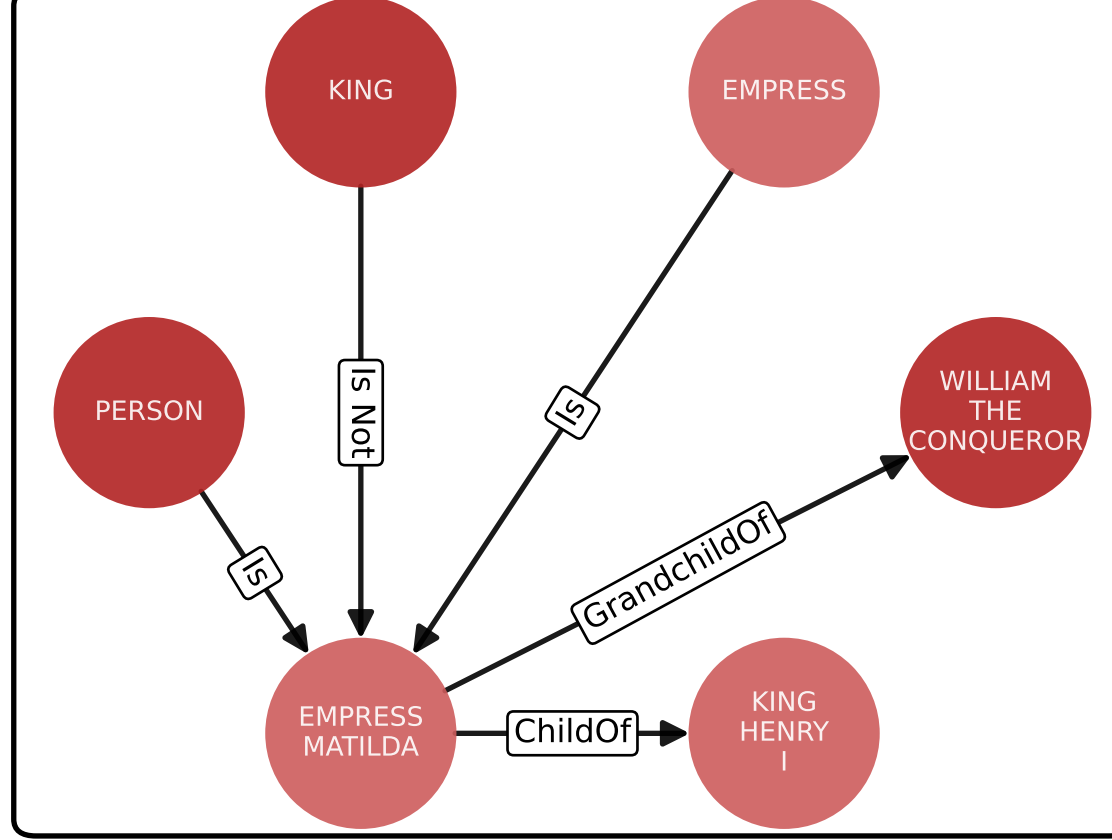
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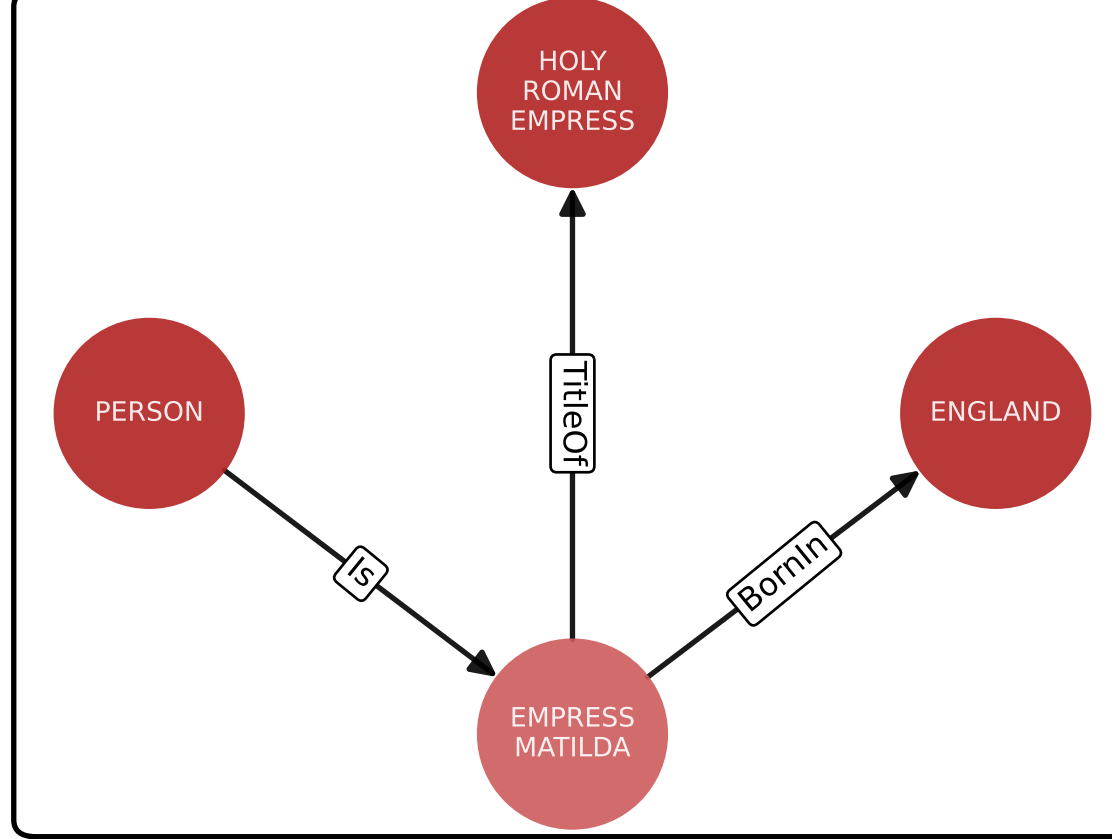
Layer 28



Layer 33



Layer 43



layer 49

