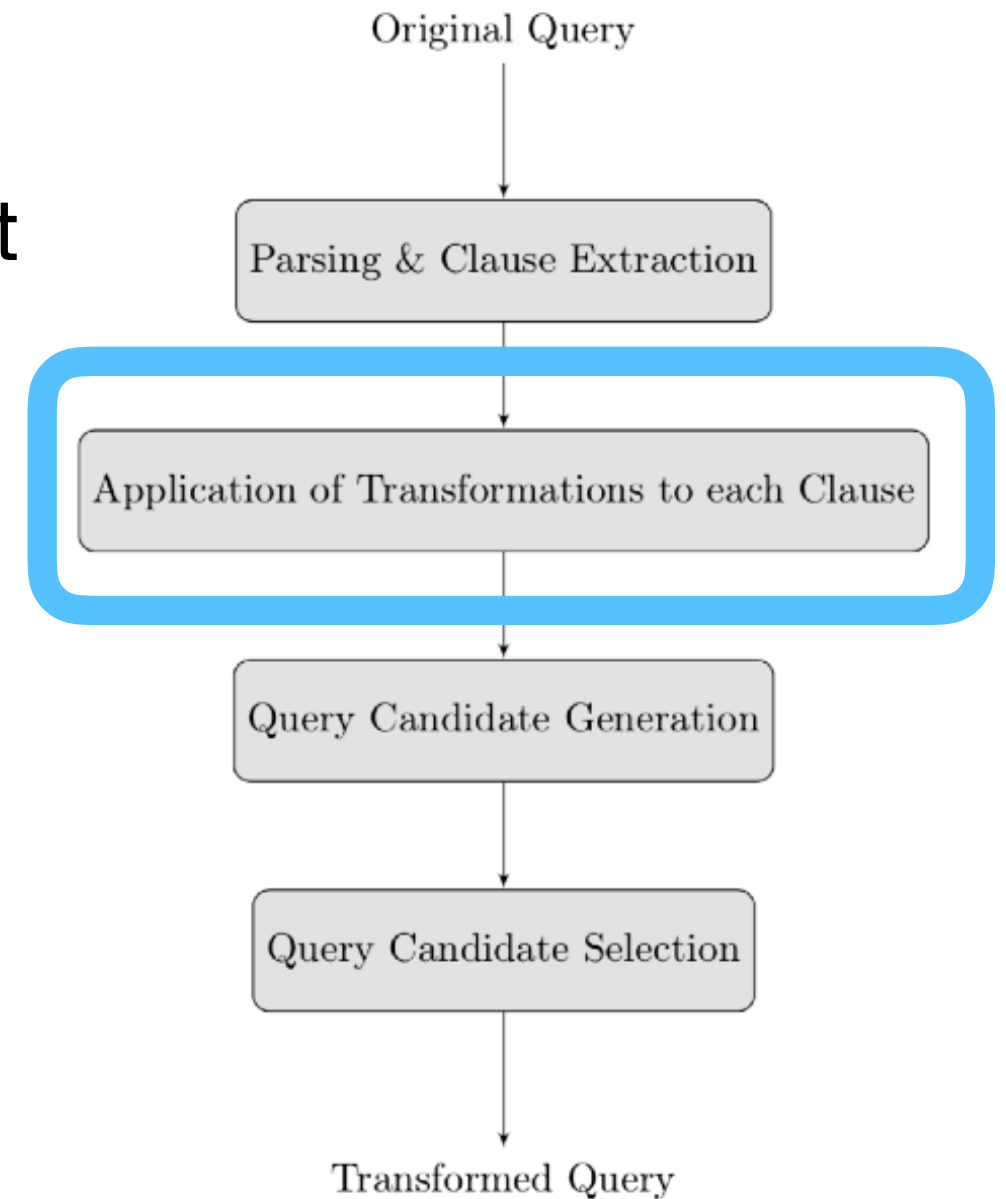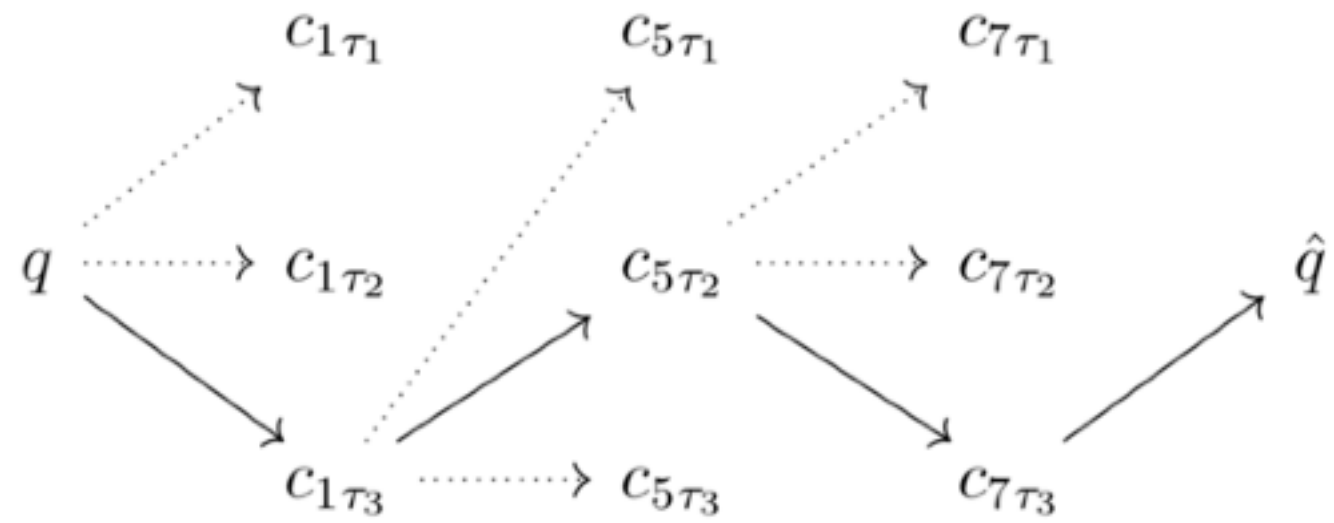# Transformations

- Logical Operator Replacement

- Adjacency Range

- Adjacency Replacement

- MeSH Explosion

- Field Restrictions

Original Query

↓

Parsing & Clause Extraction

↓

Application of Transformations to each Clause

↓

Query Candidate Generation

↓

Query Candidate Selection

↓

Transformed Query

WHAT DO THE TRANSFORMATIONS LOOK LIKE?

$$c_{1\tau_1} \qquad c_{5\tau_1} \qquad c_{7\tau_1}$$

$$q \dashrightarrow c_{1\tau_2} \qquad c_{5\tau_2} \dashrightarrow c_{7\tau_2} \qquad \hat{q}$$

$$c_{1\tau_3} \dashrightarrow c_{5\tau_3} \qquad c_{7\tau_3}$$

EXAMPLE...