

# Bounded Evaluation

- A new paradigm for query processing

# Basics of Bounded Evaluation

*Store “models” (access constraints + data oracles) instead of datasets*

**Access constraint:**  $\phi = R(X \rightarrow Y, N)$

- ▶ For each X-value, there are at most N distinct Y values in R

**Data oracle:** attribute-based data access  $\text{fetch}(\bar{x}, \phi)$

- ▶ given X-value, retrieve associated Y-values with bounded cost (N)