

Distributed Databases

CS347

Lecture 14

May 30, 2001

Topics for the Day

- Query processing in distributed databases
 - Localization
 - Distributed query operators
 - Cost-based optimization

Query Processing Steps

- Decomposition
 - Given SQL query, generate one or more algebraic query trees
- Localization
 - Rewrite query trees, replacing relations by fragments
- Optimization
 - Given cost model + one or more localized query trees
 - Produce minimum cost query execution plan