Architecture

More Information in ReadW

Dependency Miner:

 Stores tables batchwise that are sent by Inputreader

Master-Worker-Pattern:

- Generates tasks:
 - A task contains a number of columns of two tables
 - Number of columns in one message is limite d by 80MB, to save storage. If one table is to o big, the columns get split
 - All permutations of two tables and rows are created as tasks
- Taskmessages are sent to free workers over large. message Proxy
- Results are processed to Resulthandler

Worker:

Dependency Miner

- Checking for cardinality in columns (Pruning)
- IND-Algorithm is performed (N-Ary not yet implemented)
- Results are sent in Completionmessage to **Dependency Miner**

Datastructure

More Information in ReadNie

- Inputreader sends rows of the tables batchwise to the DependencyMiner
- The tables are stored columnwise in the DependencyMiner
- Optimized storage: Distinct values will be assigned an index and all values will be stored under those indices

