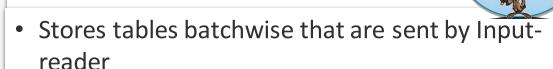
Architecture

Dependency Miner:



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 largemessage Proxy
- Results are processed to Resulthandler



Dependency
Miner



- 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

