

Calculation of a minimal part of the database

- Different constraints for the sub-database to be determined:
 - Number of tuples of the original relation remains unchanged.
 - The sub-database can be mapped homomorphically to the original database.
 - The sub-database is an intensional description of the original database.
- Question: Which additional information is required to be able to reconstruct the minimal part of the database if the result and the evaluation query Q are both archived?
- Idea: Calculation of an inverse query Q_{prov} to determine the minimal sub-database
 - ⇒ Type of inverse depending on the additional information noted