Homework 5

a) Give an example of a Datalog programu without functional symbols, for which naive evaluation described in the last slide of

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terminates and computes a result which does not agree with the well-founded model. Explain the reason for the difference.

- b) Formulate the program from the task a) as an SQL query. Report the query, and report what it computes in PostgreSQL. Report the version of PostgreSQL which you used.
- c) Modify the naive evaluation (write readable pseudo-code in relational algebra similar to the aforementioned slide) which computes answers which agree with the well-founded model. Explain.