

CS277 – Relational Database Systems

Homework 7 (Due on Dec 3 2003)

- Let P be a datalog program. Prove the following:
 1. The operator T_P is monotone.
 2. An instance K over $\text{sch}(P)$ is a model of Σ_P iff $T_P(K) \subseteq K$
 3. Each fixpoint of T_P is a model of Σ_P ; the converse is not always true.