Systems and Solving Techniques for Knowledge Representation

– Aggregates & Weak constraints –

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EXERCISES

Take one of the (disjunctive or not) program you designed for past homework, add a (possibly meaningul) weak constraint such that the (optimal) answer sets are a subset of the answer sets.

Consider queries 2, 3, 4, 6 and 7 of Exercise III [Datalog - Part II]. Write at least two of these queries employing aggregates. The important thing here is to show the compactness of the solution with aggregates wrt the solution without.

What you are requested to do

What you are requested to do is:

1. sending by email at mmaratea@dbai.tuwien.ac.at by Thu 12th the required solutions (*dl), and *db file to test it (if needed);

2. trying your solution(s) using a grounder and a solver.