Systems and Solving Techniques for Knowledge Representation
– (Disjunctive) ASP solving –

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EXERCISES

Consider the program in slide 17, write down a path that CMODELS follows. The needed functions are defined in, e.g. pages 11-12 of [Brochenin et al., 2016].

Current abstract solvers for disjunctive answer set solvers do not consider backjumping and learning. Write down an abstract solvers for CMODELS with backjumping and learning.

What you are requested to do

What you are requested to do is:

1. sending by email at mmaratea@dbai.tuwien.ac.at before 24:00 (resp. 12:00) of the day before (resp. same day) if lecture is done in the morning (resp. in the afternoon) exercise XIII

2. coming to the black-board! (if time/space allow :)

3. sending by email at mmaratea@dbai.tuwien.ac.at before 24:00 of Thu Nov 12th exercise XIV

Brochenin, R., Lierler, Y., and Maratea, M. (To appear in 2016).

Abstract disjunctive answer set solvers via templates.

Theory and Practice of Logic Programming. Available at
`http://www.star.dist.unige.it/~marco/Data/16tplp.pdf`.