

Systems and Solving Techniques for Knowledge Representation

– (Normal) ASP solving [Part I - SAT] –

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EXERCISES

Exercise (IX)

Write down two examples of possible paths that the $DPLL_F$ graph follows on a CNF formula F , defined by you, such that at least one backtrack occurs. One of the path should be “general”, while the other should be a path indeed followed by a SAT solver.

Write down two examples of possible paths that the $GT_{F,G}$ graph follows on CNF formula F and formula G both defined by you, such that at least once the formula G comes into play and force backtrack in $GT_{F,G}$.

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), solutions related to exercise (IX),
- 2 coming to the black-board! (if time/space allow :)