APT - Answer-Set Programming Tools

Supervisor: Dr. Tomi Janhunen / Dr. Martin Gebser

Contact information: Tomi.Janhunen@aalto.fi Martin.Gebser@aalto.fi

Job description: Answer set programming (ASP) is a declarative programming paradigm where any problem of interest is described by a set of rules (a logic program) so that the solutions of the problem correspond to the answer sets of the program. There are efficient off-the-self search engines for computing answer sets (see http://potassco.sourceforge.net/ for an example). The goal of this summer project is to get acquainted with ASP, the related tools, and applications where ASP techniques have been or are going to be used. The actual task is to implement some further ASP tools, doing actual modelling with rules, and benchmarking in order to compare the performance of different ASP systems.

Additional information: -