FFCUL

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Project Workplan

The project workplan aims to investigate the use of SAT and SMT for encoding problems specified with high level constraint languages.

Given a high level problem formulation described in a constraint language, the objective of the project is to automatically develop SAT and SMT encodings. These encodings are to be solved with state of the art SAT and SMT solvers, and compared with alternative solutions.

The first part of the project is to select a suitable high level constraint language. The second part of the project will be dedicated to automatically generating SAT formulations. The results and the experience obtained from the second part of the project, will guide the third part of the project, in which the object is the automatic generation of SMT formulations starting from the target high level constraint language.

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