Projects ideas and guidelines

General Aim

- Aim of the project is to implement or evaluate techniques and procedures relevant to Automated Reasoning
- Student will provide the source code, an executable, and a report that describes the projects
- The project will be proposed by students based on this guidelines and discussed with the teacher
- The evaluation will involve a discussion where the students will present their project to the instructor

Timeline

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- Final grade depends on the project and will be officially recorded after the project presentation
- Grade achieved with the written exam will be mantained
- Discuss the project before the end of the course
- Project deadline is beginning of next academic year

Project prototype

Project Prototype

- Implement in a language of your choice the DPLL procedure
- Test the method on given problem instances
- Describe implementation and obtained results

Some other ideas

Other ideas

- Implement a (D)CSP solution technique for graph colouring
- Implement a (D)COP solution technique (complete or approximate) for graph colouring
- Use existing algorithm (that can be found on-line) on different problem instance and compare the results (e.g. Graph Colouring, Sensor Scheduling, etc.)