

Meeting 05.05.2022

Date

05.05.2022

Location

FHNW (Room 5.2)

Participants

- Simon Felix
- Elias Mjoen
- Joshua Schärer

Topics

- Test approach
- Test metrics
- Interface implementation

Risk update

No specific update

Actions to be taken

No actions need to be taken

Discussion

Test approach

- seems reasonable so far

Test metrics

- Validity is not really a metric
 - It is a given
- Solver speed must also define how we are going to compare different times
 - The fastest is the virtual best solver (vbs)
 - Problem: Solver 1 takes 60m and Solver 2 takes 59m for one problem, Solver 1 takes 1s and Solver 2 takes 2s for another problem - Which one is now better?
- Impact on grades is difficult to measure
 - For example, can the speed ratio of one model be infinite (0.0s) and how do we take 50% off of that
- Considered scenarios is not necessary, because the solvers should always be able to produce a solution
 - Maybe rather check how many solutions a solver can find

Decisions made

Test metrics

- Only the solver speed is a metric
 - Remove all others
- Also set a time limit (not too high, not above 10m) for different kind of problems (complex, simple) and then measure the quality
 - The solver speed does not matter
- Consider multiple runs with the same solver as well
 - Does a solver produce different solutions after running multiple times?
- Solving optimization problems in Swiss francs is a good approach
 - This way, we get a reference point and do not simply make up numbers.

ToDoS

Recently closed

Newly opened

A list with all the todos can be accessed [here](#).