

Universität des Saarlandes FR Informatik



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Tutorials for "Automated Reasoning II" Exercise sheet 5

Exercise 5.1: (P) Consider the below set of inequations and apply the simplex algorithm to it:

Exercise 5.2: (P)

Consider the below set of inequations and apply the simplex algorithm to it:

Exercise 5.3: (P)

Provide an example where the simplex algorithm does not terminate, if FailBounds is not preferred over EstablishBounds.

Exercise 5.4: (P)

Prove that for an equational system E, dependent variable x, independent variable y in E: E is satisfiable iff piv(E, x, y) is satisfiable.