

Universität des Saarlandes FR Informatik



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## Tutorials for "Automated Reasoning II" Exercise sheet 6

**Exercise 6.1:** ( *P*) Consider the below set of inequations and apply  $\Rightarrow_{\text{LIABB}}$  to it:

**Exercise 6.2:** (*P*) Consider the below set of inequations and apply  $\Rightarrow_{\text{LIABB}}$  to it:

**Exercise 6.3:** ( P) Prove that  $\Rightarrow_{\text{LIABB}}$  is terminating.

**Exercise 6.4:** (P)

Extend the  $\Rightarrow_{\text{LIABB}}$  calculus with learning, analogously to the way DPLL is extended to CDCL.