

Universität des Saarlandes FR Informatik



Weidenbach

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## Tutorials for "Automated Reasoning WS24/25" Exercise sheet 11

**Exercise 11.1:** Consider the below sets of inequations and apply the simplex algorithm to it:

## Exercise 11.2:

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

1.

2.

x + y $x + 2y$ $x - y$	$\leq$	1 -1
2x + 5y $3x + 7y$ $2x + 5y$ $3x + 7y$	$\leq \geq$	$-24 \\ -17$

It is not encouraged to prepare joint solutions, because we do not support joint exams.