Weidenbach   **January 23, 2025**

Tutorials for "Automated Reasoning WS24/25"
Exercise sheet 12

Exercise 12.1:
Consider the below set of inequations and apply the branch and bound LIA to it:

$$
\begin{aligned}
3y &\geq x + 3 \\
3y &\leq -5x + 15 \\
4y &\leq 9x - 8
\end{aligned}
$$

Exercise 12.2:
Consider the below set of inequations and apply the branch and bound LIA to it:

$$
\begin{aligned}
2y &\geq -x + 2 \\
2y &\leq 2x + 1 \\
y &\leq -x + 4
\end{aligned}
$$

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