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Tutorials for "Automated Reasoning II"
Exercise sheet 9

Exercise 9.1:
Show that Lemma 3.10 holds only for term-generated interpretations. Give a signature Σ, a set of clauses N and a non-term-generated interpretation $\mathcal{A}$, such that $\mathcal{A}$ is a model of $G_\Sigma(N)$, but not a model of N.

Exercise 9.2:
How would you redefine the fairness of a run if saturation is defined using redundant inferences? Try to find the easiest possible definition. Reprove Lemma 3.16 for the new definitions of saturation and fairness.

Bring your solution (or solution attempt) to the tutorial on June 30.