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HKGAB4 - Lecture 3

Linköping University
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Module 3, Lecture 3
Exercises from Chapter 2-4 LFOL

1 Goal

The goal of this lecture is to provide practice in

- Doing informal but rigorous proofs.
- Doing formal proofs in System $\mathcal{F}$.

2 Preparation

Try and do some of the following exercises on paper to acquaint yourselves with the different inference rules in System $\mathcal{F}$.

Chap. 2: Exercises 21-25.

Chap. 3: Exercises 39-47, 49-50, 55.

Chap. 4: Exercises 23-26, 29.

3 Lecture Exercises

The lecture assistant will go through a number of proofs, both informal and formal related to Chapters 2-4. There are no obligatory exercises associated with this lecture.