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HKGAB4 - Lecture 1

Linköping University
IDA

Module 2, Lecture 1
Exercises from Chapter 2-3 LFOL

1 Goal

The goal of this lecture is to provide practice in

- Translating natural language sentences to LFOL.
- Doing informal but rigorous proofs.
- Using truth tables to determine logical consequence and validity.

2 Preparation

The following should be done before the actual lecture session:

- Look at and try to do exercises 2.18, 2.21, 3.15, 3.18, 3.22, 3.25, 3.27, 3.29, 3.34.

3 Lecture Exercises

The lecture assistant will go through exercises: 3.22, 3.23, 3.25, 3.34, in addition to other exercises similar to the ones listed above.

The following lecture exercises are obligatory and should be done and handed in:

Exercise
2.18
2.21
3.15
3.18
3.27
3.29

4 Deadlines

You should work on these exercises individually. Each student should hand in his or her exercises by

- February 24, 1999.

We in turn will try to have the graded exercises back to you by

- March 3, 1999.