Patrick Doherty
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HKGAB4 - Lab 1-2

Linköping University
IDA
CogSci Line

Lab 1-2: Atomic Sentences and Tarski's World

1 Goal

The goal of these labs is to familiarize you with the use of the Apple environment and Tarski's World. We will use the atomic sentence fragment of LFOL. In particular, we focus on

- How Tarski's World interprets the predicates in our block's world language.
- Building world's which make atomic sentences true.
- Translating atomic sentences into natural language and natural language sentences into atomic sentences.
- Giving names to objects.

2 Preparation

The following should be done before the actual lab session:

- Read Chapter 2, (LFOL).
- Read Appendix A1-A4, (LFOL), browse the rest of the appendix.
- Do Problems 2.9-10, 2.15-16.

3 Lab Exercises

The following lab exercises, with the exception of exercise 2.1, are obligatory and should be done and saved on your diskettes (See the following section for additional information). For those of you using the IBM PC version of Tarski's World, use the names under the IBM column.

Exercise	SaveAs (Apple)	SaveAs (IBM)
2.1		
2.2	Sentences 2.2	2-2.sen
2.3	World 2.3	2-3.wld
2.4	Sentences 2.4	2-4.sen
	World 2.4	2-4.wld
2.5	World 2.5	2-5.wld
2.19	World 2.19.x	2-19-x.wld

Note that for exercise 2.19, the x means that it should be replaced with 1,2 3, 4 or 5, if necessary.

4 Saving your exercises on diskettes

We plan on using an automatic grader for a number of the exercises you hand in for correction. It is important that you follow the instructions below very carefully, otherwise the grader will not work.

- Your diskette should be labeled in pen with your name on the outside. The diskette itself should also be LABELED with your name using the LABEL software for the IBM diskettes, or simply writing your name on the diskette icon on the screen, for the Apple diskettes.
- Save the exercises on the diskette with the **exact** names described in the book. This includes spaces, capital letters, etc.
- Do not create any directories on the diskette. Save your files at the top level of the diskette.

5 Deadlines

You may work in pairs or threes, but each student should hand in his or her diskette individually by

- Monday, March 18.

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

- Wednesday, March 20.

Exercises handed in after this date can at best get a grade of *Godkänd*, providing they are done correctly. Late arrivals will also determine whether additional oral examinations are necessary at the end of the course. The intention with the deadlines is to give you direct feedback, not to make things difficult for you!