

Frank Richter:
Grammatikformalismen für die Computerlinguistik

Aufgabenblatt 1

The purpose of the first homework assignments is to make sure that the course software works on everyone's account.

Exercise 1. [4 points]

Download and install MoMo 2.0 from the seminar page:

(www.sfs.uni-tuebingen.de/~fr/teaching/ss06/gfcl/). Note that the installation procedure is described in detail in the MoMo manual (on pages 5 and 6). The MoMo manual is available from the seminar page as well. Open the file `example1.mmp` by selecting the menu item *Open* under *File* and choosing the file of that name from the selection in the window.

In the first window (the *note pad* window) of MoMo you will see the line `[parrot,woodpecker,canary]` in the *description area*. Add a second line under this line. The new line should contain the symbol `%` at the beginning, followed by a space and your name. Save the modified file, calling it `your-last-name.mmp`.

Exercise 2. [4 points]

Activate the TRALE system on your Sfs account by including the path `/home/milca/a4/bin` in your path environment. Create a new directory on your account and download the *Core Fragment* from the *Grammar Formalisms and Parsing* textbook to this directory. You can get it most easily by downloading the relevant grammar files from Sections 6.6.1 and 6.6.2 of the textbook. The grammar consists of two files, one called `signature` and the other called `theory.pl`. By inspecting the second file you can easily find out which words are in the grammar, even without understanding the grammar itself. From the words you can guess which sentences can be parsed.

Start TRALE in the new directory with the two grammar files by typing `trale -g &` `<Return>`. Compile the grammar by typing `c.` `<Return>` at the Prolog prompt of the Emacs window. Parse two grammatical sentences described by the grammar. The format of the parse predicate is as follows:

```
rec[this,is,the,sentence,i,would,like,to,parse]. <Return>
```

For each sentence which you parse the graphical interface of TRALE (called Grisu) opens a new window with the parse result. Save two different parse results, giving them intuitive names, using the *Save* function under the menu item *File* of the Grisu window.

You can shut down TRALE by typing `halt.` `<Return>` at the Prolog prompt. This terminates the active Prolog process, and you can then safely close the Emacs window and all open Grisu windows.