Section for: LIN120, Syntactic Theory – A formal approach
TA: T. Florian Jaeger (tiflo@stanford.edu)
Office hours: We 11:15-12:00 in 460-113 (Margaret Jacks Hall, first floor)
Office phone: (650) 723 0924
This handout is available at: www.stanford.edu/~tiflo/

Section for LIN120, 10/08/02

Next homework due 10/11/02: Chapter 3 – Problem 1,3,4,5

The sections are primarily intended for your questions.

Summary of some important Concepts of last weeks lectures:

- Description vs. model
- Typed feature structures:
  - Features
  - Types: type hierarchies, inheritance, compatibility of types
  - Values
  - Unification
- Advantages of feature structures:
  - capture shared properties (e.g. headedness, phrases, valence, ..)
  - Head Feature Principle: by default, inherit HEAD feature by head daughter
  - Head-Complement Rules
  - Valence Principle: by default, inherit VAL(ence) feature of head daughter
- Revised well-Formedness

Example exercises:

- Ch3, p. 70: exercise 2, A & B – feature structure <=>CFG correspondence
- Ch3, p. 91: problem 2 – get the number agreement right ....

Disclaimer: The solutions to the problem sets in chapter 1 and 2 are available at Tom Wasow's office together with your homework. If you feel that you have not been grade correctly, please have a look at them. Also, please don't hesitate to ask =).

Some notes on the homework from 10/04: Chapter 2 – problem 1 and 6

2.1)

- wrong rules:
  - a lot of you ignored or misunderstood the following rules – so maybe this is worth looking at it again**:**
    - **NOM → NOM PP**
    - **VP → VP PP**
  - Many of you also forgot to include all of the projections of the nominal lexical items:
    - **N goes to NOM goes NP**
    - In a CFG, all of those projections must be in the tree because they are actually necessary to create a well-formed tree.
- Also, you were asked to only use words included in the lexicon.

2.6)

- the main points of this problem were to geth BOTH number (NUM) agreement and the cases in the right position (ACC in the object positions following the verb, NOM in the subject position preceding the verb).
- Also, we asked you to provide a GRAMMAR or modifications to it. In order to be fair to people who did go through the work of sketching the necessary changes and rules, I did not give full points on "conceptual" outlines of a solution.