CvP - Homework 2

- Deadline: September 21, at the start of the werkcollege.

- Don't forget your name and student number.

Chapter 2

1. What control flow statements were added to Fortran IV to get Fortran 77?

2. Which version of Fortran was the first to have any sort of dynamic variables?

3. In what way are Scheme and Common Lisp opposites of each other?

4. What language was designed to describe the syntax of ALGOL 60?

5. What features of SIMULA 67 are now important parts of some object oriented languages?

6. What are the arguments both for and against the idea of a typeless languages?

Chapter 3

1. Who are language descriptions for?

2. Describe the operation of a general language generator.

3. Describe the operation of a general language recognizer.

4. Define a left-recursive grammar rule.

5. Distinguish between static and dynamic semantics.

6. What purpose do predicates serve in an attribute grammar?

7. What is the difference between a synthesized and an inherited attribute?

8. How is the order of evaluation of attributes determined for the trees of a given attribute grammar?

9. What is the primary use of attribute grammars?