Program Analysis and Verification 2014/15

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Home Work Assignment #1

Due: Lesson 4

In the following, we refer to the "Semantics with Application" book as "the book". The book can be found here: http://www.daimi.au.dk/~bra8130/Wiley_book/wiley.html.

- 1. Solve Ex 2.7 and 2.17 in the book.
- 2. In the previous question, you were asked to extend the While language with a new construct (a repeat loop). Extend the proof of theorem 2.26 in the book (semantic equivalence) to handle repeat commands.
- 3. Solve Ex 2.32, Ex 2.35, Ex 2.36 in the book.
- 4. Read Section 2.5 in the book and solve Ex 2.40.