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Essentials of Programming Languages
http://proglang.informatik.uni-freiburg.de/teaching/konzepte/2015/

Exercise Sheet 2

2.1 Arithmetic and Boolean Expressions (cont.)

In the last exercise sheet, you prepared an evaluation semantics for the language of arithmetic and boolean expressions.
In this exercise we will implement syntax and semantics in *PLT Redex*.

1. Implement the syntax in *PLT Redex*. Think about a proper hierarchy of expressions.

2. Implement a small-step reduction of your language.

Submission

Deadline The submission deadline is **08.05.2015, 12:00 (noon)**. Late submissions will not be accepted. Submit your solution to the subversion repository.

Submission Your solution will consist of one *folder* (**exercise2**) for each exercise sheet. Submit one *pdf* file (⟨**name**⟩_**exercise2**_⟨**nr**⟩**.pdf**) and one *rkt* file (⟨**name**⟩_**exercise2**_⟨**nr**⟩**.rkt**) per exercise.

Your solution may be either in German or in English. Clear and understandable style is required. You are strongly encouraged to test your solution. Your code must compile without errors (which did not necessarily mean that everything has to work). Provide your source code with comments to understand the intention.