

December 10, 2009

Programming Languages and Types

Homework Assignment 9

Please hand in your homework by email to <mailto:pllecture@informatik.uni-marburg.de> until December 17. Please submit your solutions in appropriate file formats.

H9.1 Labeled Records

Extend your syntax, step relation, interpreter and typechecker from last week's homework assignment with labeled records. You can drop support for pairs, if you want.

H9.2 Subtyping

Extend your typechecker with subtyping.

H9.3 Test

Write some tests for your implementation, including a program which is rejected in the typechecker without subtyping, but accepted in the typechecker with subtyping.