
Aflevering 2 - Programmeringssprog

Exercise (1).

Implement first order functions without mutual recursion as on slide 23, slide 25 and slide 28. Remember that we want the implementation to support functions with multiple parameters (and correspondingly, calls with multiple arguments)

Exercise (2 - optional).

Implement mutual recursion as on slide 41.

Exercise (3).

Explain briefly how the implementation of the cases for DefDecl and CallExp in Interpreter.scala relate to the corresponding rules in the operational semantics

Exercise (4).

Implement type-checking for first-order functions without mutual recursion, as on slides 32-33.

Exercise (5 - optional).

Implement support for mutual recursion as on slide 43.

Exercise (6).

Write some sensible test programs for both the interpreter and the type checker to demonstrate that your code works as you expect.