Exercise 7: for students enrolled in CS554: rendering to other programming languages — assigned 6 November — due on Monday 1 December (40pts)

This exercise is attached to Project 2.

7.1 AST as the starting point (20pts)

From a decorated abstract syntax tree constructed in Project 2, generate an equivalent program in C or Haskell. The program will accept initial values for the variables, execute the translation of the While program, and print the final values of the variables.

7.2 CFG as the starting point (20pts)

From a control flow graph constructed in Project 2, generate an equivalent program in C or Haskell. The program will accept initial values for the variables, execute the translation of the While program, and print the final values of the variables.

What to turn in

Submit a tar file containing your code and example translations.