322 Compilers: Assignment 6
Speed

Due Thursday June 3rd, before class

Your job: Clean up, polish up, speed up your compiler. And write a program to run in everyone's compilers. In class, we'll play to see whose compiler is the fastest.

Handin instructions: Your compiler must run on the t-lab machines (under linux).

Hand in your assignment by sending email with the subject 6 to ***both*** robby@eecs.northwestern.edu and clklein@eecs.northwestern.edu. The email should include a .tar.gz attachment that contains (at the top-level) a shell script or binary executable that is your compiler (and whatever supplementary files it needs). The compiler should be called Lc.

The compiler should accept a filename on the command-line ending with .L5 and it should write an a.out file containing an x86 binary that runs the L5 program.

The .tar.gz file should also contain a single L5 program named ⟨*your last name*⟩*.L5*. The filename should be all lowercase (except the "L" in the extension). Note that you can use Scheme-style comments in your file to describe the algorithm, if you wish.

Running the program in your compiler should take no more than 5 minutes on the tlab machines and should produce a binary that runs in no more than 2 minutes (also on the tlab machines).