322 Compilers: Assignment 4
A-normal form

Due Thursday May 20th, before class

Your job: Compile L4 programs to L3 programs.

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

Hand in your assignment by sending email with the subject 4 to robby@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 L3.

The compiler should accept a filename on the command-line ending with .L4 and it should write the L3 program to stdout (and nothing else to stdout).

The .tar.gz file should also contain a top-level directory named test containing test case files with the extension .L4.

There is no need to produce expected results; the interpreter's output will be taken as definitive, and your implementation will be tested by running your compiler and then running the result in the L3 interpreter. The code it produces should not fail, and the output should match the result of the L4 interpreter on the original program.