

322 Compilers Assignment: 4

A-normal form

Your job: Compile L4 programs to L3 programs.

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

Hand in your assignment by uploading it to the server at <http://penghu.eecs.northwestern.edu:8123/>. The uploaded file should be a gzipped tar file named `name.4.tar.gz`. The *name* should be your family name in all lowercase letters unless you are pair programming, in which case it should be both family names in alphabetical order, separated by `+`. If your name has any non-alphabetic characters, remove them first. For example, if Conan O'Brien and Shawn Knowles-Carter were pair programming and handing in this assignment, they'd send in a tarfile named `obrien+knowlescarter.4.tar.gz`.

The attachment must contain (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 `L4c`.

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).