

322 Compilers Assignment: 2-test

Register allocation, testing the L2 compiler

Your job: Write (at least) 15 test L2 programs and equivalent L1 programs.

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.2-test.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.2-test.tar.gz`.

The file must contain a single directory named `2-test` containing the test cases.

The directory should contain pairs of files, an input file with the suffix `.L2` and a equivalent output file with the suffix `.L1`. The result does not have to match exactly what your compiler ends up producing, but the two programs should behave equivalently in the two interpreters.

If the L2 program cannot be register allocated, then the L1 file must contain the text:

```
"could not register allocate"
```

(including the quotes)