



Homework H8

1 Description

Write an LLVM pass starting from the code you have developed for H7.

The goal of this assignment is to make your code transformation inter-procedural.

You are free to make your own design choices for H8. However, you must be able to generate better code than your H7 for at least 2 fundamentally different tests you will provide as part of your H8 work.

2 Testing your work

You need to develop at least 2 tests that your H7 is not able to optimize, but your H8 is.

3 What to submit

Submit via Canvas the C++ file you've implemented for H8 (CatPass.cpp) as well as your tests.

For your information: my solution for H8 added 42 lines of C++ code to my H7 (computed by `sloccount`).

4 Homework due

11/23 at noon

Good luck with your work!