

How To Invoke and Interpreting Results:

First write a test program into test.b using the b language. Then, run “make” on the command line to build the code generator. After that, do “make test”. The program will run and will output “test.s”. You can open “test.s” in a file editor and visually inspect the assembly code to see if it is formatted correctly. Otherwise you can just run

“~cs536-1/public/tools/bin/spim -ne” to launch spim. Once you see a spim prompt, type “load “test.s”” to load the assembly program into spim. Once successful, type “run 0x00400000” to kick off the program. Below you should see the expected output.

Assumptions:

We assumed that spim would not produce any errors unless there were actual errors with our code generation.

Anything Else:

In some programs, there was an extra subu in main. However, this extra subu just subtracted 0 so it didn’t do anything. This is a small optimization issue that we noticed, but couldn’t figure out why it was happening. Functionally, the code generator works as expected.