Running the Simplescalar Simulator

PSU ECE 587/687
Documentation

- Hacker’s guide.
- Technical report.
- sim-outorder source files are very well documented.

Hacker’s guide and technical report are available on the ECE587 web page.
Directories

- Models:
  - /stash/akkary/ss3

- Benchmarks:
  - SPEC95 binaries: /stash/akkary/bench/big
  - SPEC95 inputs: /stash/akkary/input/ref
  - SPEC95 outputs: /stash/akkary/output/ref
  - Small tests: /stash/akkary/tests
    ✦ Small programs that you can read and understand quickly
    ✦ Source files available in the same directory
Running the benchmarks

- Use /stash/akkary/Run.pl to run the SPEC95 integer benchmarks, e.g.

- Benchmarks include gcc, go, li, m88ksim, perl, vortex, compress, and ijpeg.

- Example of running a small test:
  - /stash/akkary/ss3/sim-outorder /stash/akkary/tests/bubblesort