

Homework 1

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I. SERIAL BENCHMARKS

I ran a number of simple experiments as indicated in Table I below. These included

- `time echo "0 100" | ./gol`: 100 iterations with a random initial state
- `time ./gol < data.txt`: data from `data.txt` (board size 5, 10 iterations)
- `time python board_generator.py | ./gol`: data printed by the python program `board_generator.py` (board size 50, 100 iterations)

II. CUDA

TABLE I
BENCHMARKS

Experiment	Real Time
<code>time echo "0 100" ./gol</code>	11m56.145s
<code>time ./gol < data.txt</code>	0m0.016s
<code>time python board_generator.py ./gol</code>	0m0.475s