TimeTests.pdf

a description of how you tested procs vs threads, the values you logged, how many times you ran your tests, and what your conclusions are.

To test the speeds of procs vs threads we measured user and real times through command line by running: time ./compress and time ./compressR. To ensure each respective program was tested on a fair basis, both program call compressT/R_LOLS() from main with “test.txt” and a part number as parameters. We initially tested running both versions with 1 part as an argument on a 20-letter test string. This gave a time of .003s for threads and .005s for processes. We then gave both functions a parameter of 5 for parts. This gave us a real time of .009s for threads, and .011s for processes. Both versions also had a user time of .1s. Multi-Threading will always be faster since it threads do not require another file to run. Processes will take long because it requires another executable to do certain actions to the child process thus taking more time. I have tested the difference again between process and threads which had a difference of 0.002s for real time and user was the same time.