Lab 4 Floyd Warshall

For this lab, the biggest problem that I ended up facing was that I kept on getting an error saying that I had a bad termination of one of my application process, and I was unable to find it, but after a while I found out that I ended up inputting something wrong, and I fixed it and it was able to run. A couple of bugs that I had was that if I ended up running the code with multiple threads, I would end up getting different times accordingly to the threads, but I ended up picking the smallest time. The code took me about 4 hours to get it running. For having thread 1, it took about 3.867 seconds to finish, with 2, it took about 2.995 seconds to finish, with 4 threads, it took about 2.531 seconds to finish and for 8 threads, it took about 2.538 seconds to finish. The amount of seconds ended up going a little faster until it reached 8 threads, which ended up being the same as 4 threads. The Output from the dumpCPUInfo.sh program was Intel(R) Core(TM) i7-10510U CPU @ 1.80GHz, 2304 Mhz, 4 Core(s), 8 Logical Processor(s).