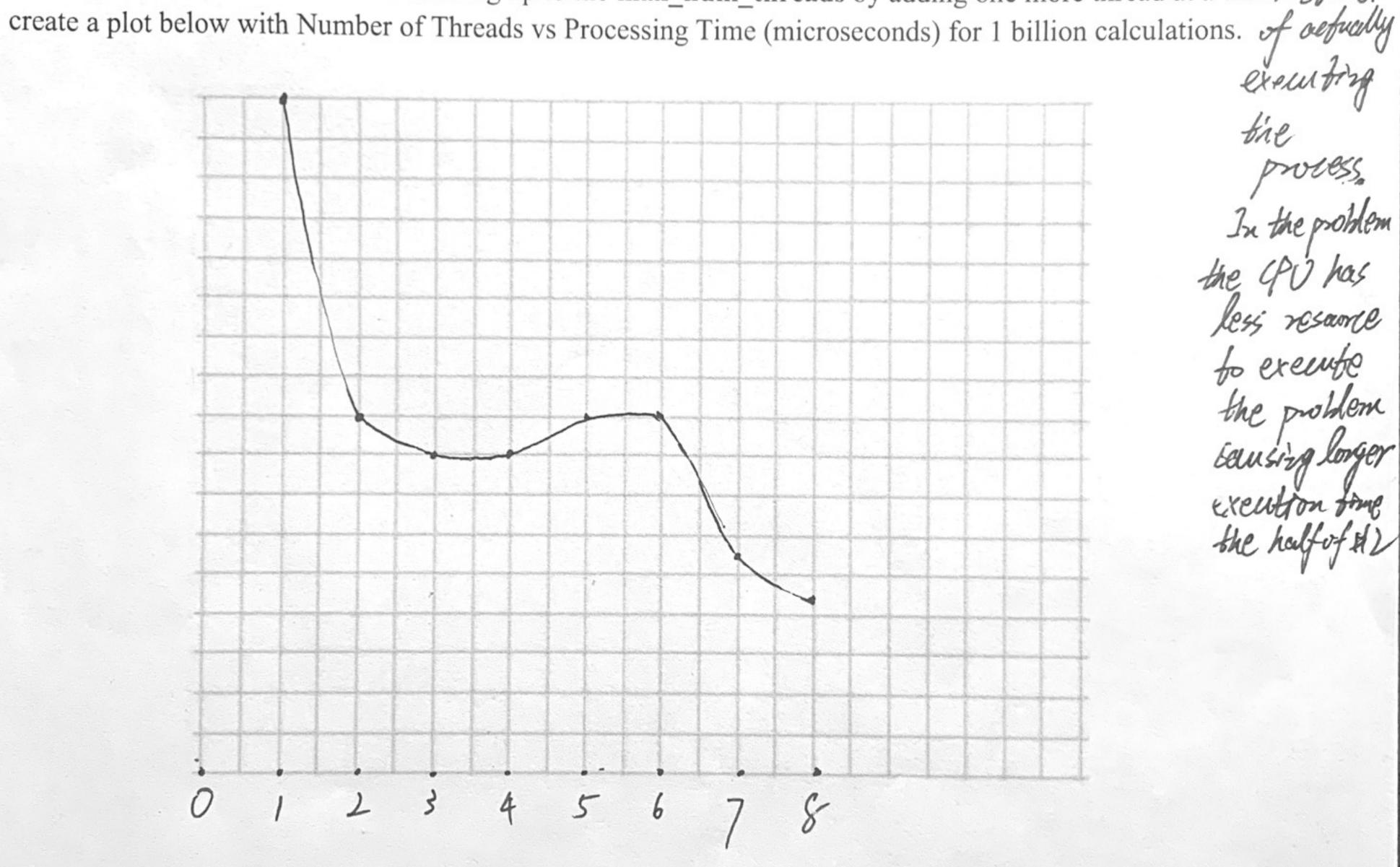
ECE 2036 Lab 6 Turn-in Sheet

Use your program on coc-ice pace server to answer the following questions:

- 1) How many concurrent threads can the system run: ________. This value is now referred to as the max_num threads.
- How many microseconds does it take a single thread to run 10,000 calculations: _ 425327 1
- How many microseconds does it take 2 threads to run 10,000 calculations: _37 9981). Assume the number of calculations is evenly distributed among the two threads.

Why is the time from #3 not half the time from #2?

Multiple threads show the memory space. Which means with more
threads, there will be more page-toble in memory which will couse
over-head. The CPU is denoting more resource into fetching derta from the clisic
5) Starting with one thread and then working up to the max num threads by adding one more thread at a time instead



- How many microseconds does it take 1,000 threads to run 1,000 calculations: 225 64 70. Assume the number of calculations is evenly distributed among the threads.
- Assuming that the processing time for a single calculation is negligible and using the results from Question #6, how long does it take to create a single thread in microseconds?