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Write-up Assignment 2:

Question 1)

Part 1) I have defined three functions countA countB and countC that count from 0 to the 32 bit integer max value.

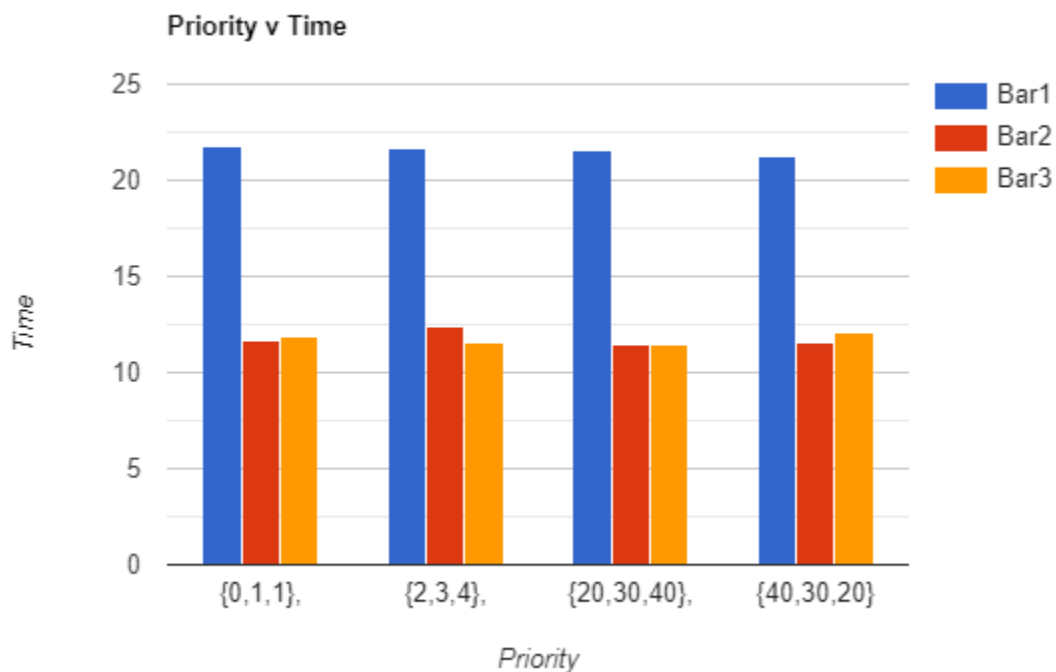
Each of them are called by different threads, namely threads A,B and C.

Now, each has a different scheduling policy:

A uses SCHED_OTHER, B uses SCHED_RR and C uses SCHED_FIFO.

I have timed the difference between when the thread calls the function and when the counting is done and noted the readings into an output file named output.txt.

Finally, I've used all the data to generate a histogram:



Part 2)

Similar to part 1 (except I have made processes instead of threads).

I have used fork() and exec() to compile the linux kernel to benchmark the three different processes.

Question 2) I have written a system call named twodcopy. It takes two arguments, the source and destination which are two floating point matrices. It copies all the data from the source to the destination. (I have used `__copy_from_user()` and `__copy_to_user()` as instructed)