PA3 Questions

1. When executing the sched.c program using 16 cores, I noticed that each core displayed 16 colored local TIDs, accompanied by corresponding latencies on their right-hand side. These latencies exhibited occasional increases in value without following any pattern.

* ./sched 16 (In separate terminal)
* Watch -n.5 grep ctxt /proc/31356/status

\*Performed the status watch after every scheduling policy change\*

The non voluntary context switches were increasing 5-20 every .5 seconds. The voluntary context switches were increasing 1 every .5 seconds.

* Sudo chrt -p -r 24 31356

The non voluntary context switches were increasing 0-1 every .5 seconds. The voluntary context switches were increasing 1 every .5 seconds.

* Sudo chrt -p -r 99 31356

Saw no rate change in either context switches.

* Sudo chrt -p -f 1 31356

Saw no rate change in either context switches.

* Sudo chrt -p -f 1 31356

Saw no rate change in non voluntary, but voluntary context switches jumped up about 20 and was static.

1. I observed….