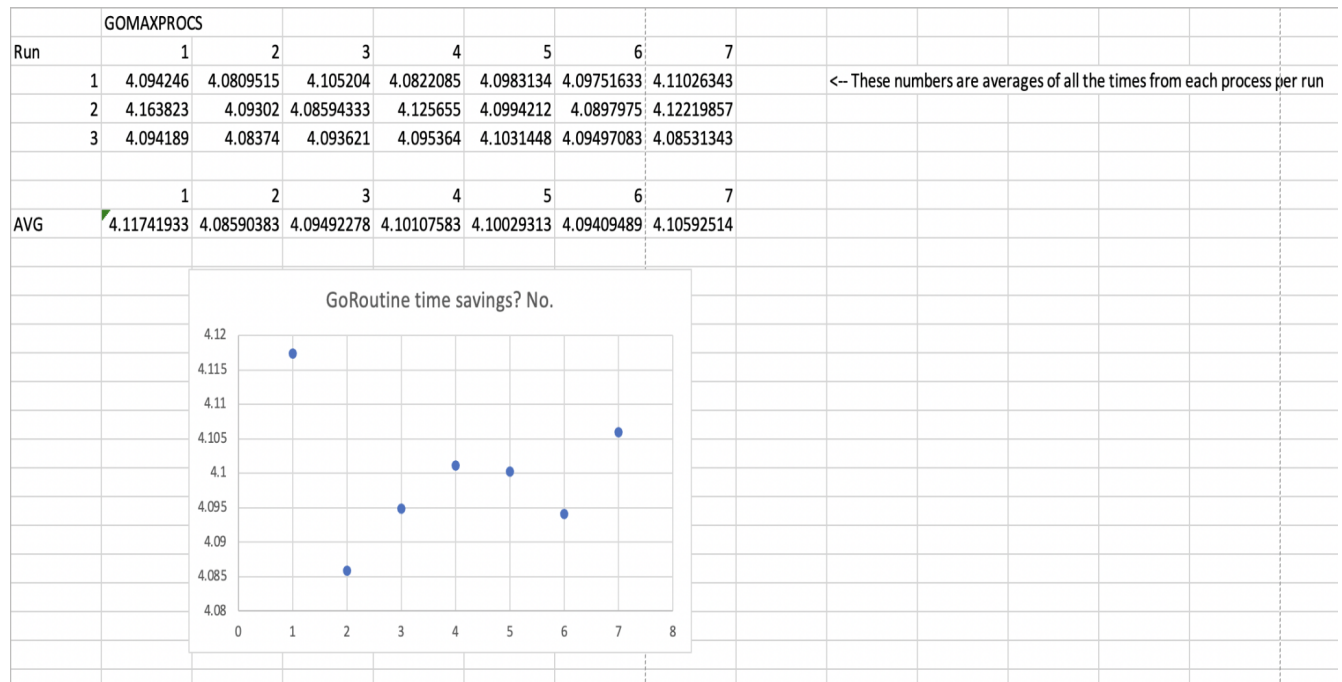


MP0 Performance Study

How did GOMAXPROCS affect each trial?

We defined the performance of our function by the time in milliseconds it took to ping several different websites located in a variety of places. Contrary to what we originally thought, running more goroutines does not increase the performance of our PingHost function. While it is true that 1 goroutine took the longest, 7 goroutines took longer than 6, and 4 goroutines took longer than 2.



Common sense would suggest that in series, url performance would be returned through the channel in the order that they were pinged, but in our case, the quickest pings were returned first, regardless of the limits on GOMAXPROCS. Unfortunately, we were unable to deduce the source of this error in time. Our best guess is that while waiting for a response to a ping prompt, the computer ran more iterations of the for loop, which allowed for more urls to be pinged. This would explain why results were returned through the channel out of order, despite the supposed limit on GOMAXPROCS. It is important to note here that manually setting this value did not change these results, so the issue does not lie with the for loop in the main function.