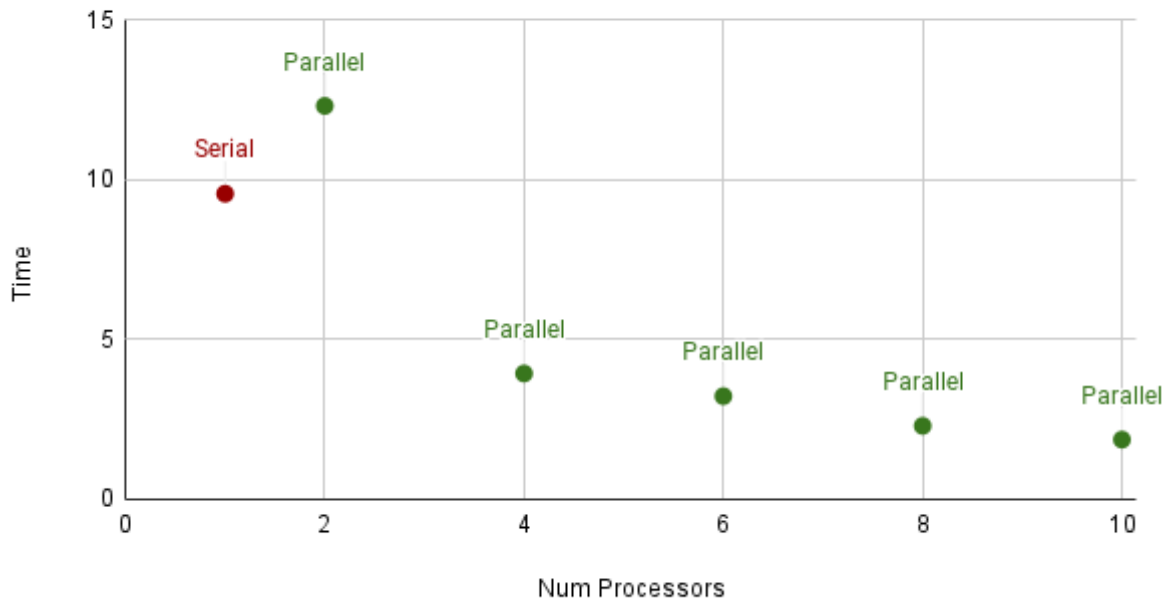


# Programming Q1

Friday, October 6, 2023

4:32 PM

Execution Time (s) vs # Processors



The two processor parallel program is slower than the serial program - this is likely due to overhead in starting MPI and parallel overhead. We also observe a sublinear speed-up as the number of processors goes from 4->10, this is likely due to a variety of factors, including cache sharing, context switching as well as the non-parallelizable work that is done in the program.