

CMPE 478: Parallel Processing
Fall 2023, Homework 1 (due: Dec. 29th)
(This project can be done in groups of at most 2 students)

PART A (50 pts)

Use MPI to implement the prime number generation project that you did in Homework 1.

You should generate a csv file called results.csv that reports the timing results in the following format.

M	T ₁	T ₂	T ₄	T ₈	S ₂	S ₄	S ₈
...

PART B (50 pts)

Use Thrust to implement the prime number generation project that you did in Homework 1.

You should generate a csv file called results.csv that reports the timing results in the following format.

M	T ₁	T ₂	T ₄	T ₈	S ₂	S ₄	S ₈
...