

# Part B

$$T_1 = 40.673537$$

$$T_2 = 26.294879$$

$$T_4 = 14.250760$$

$$T_8 = 7.399478$$

Speedup

$$S(1) = 1$$

$$S(2) = 1.546823$$

$$S(4) = 2.854130$$

$$S(8) = 5.496811$$

Parallel Efficiency

$$E(1) = 1$$

$$E(2) = 0.773411$$

$$E(4) = 0.713532$$

$$E(8) = 0.687101$$