

Parallel Computing Homework 1

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Question 1.1: Execution Time vs Number of Threads

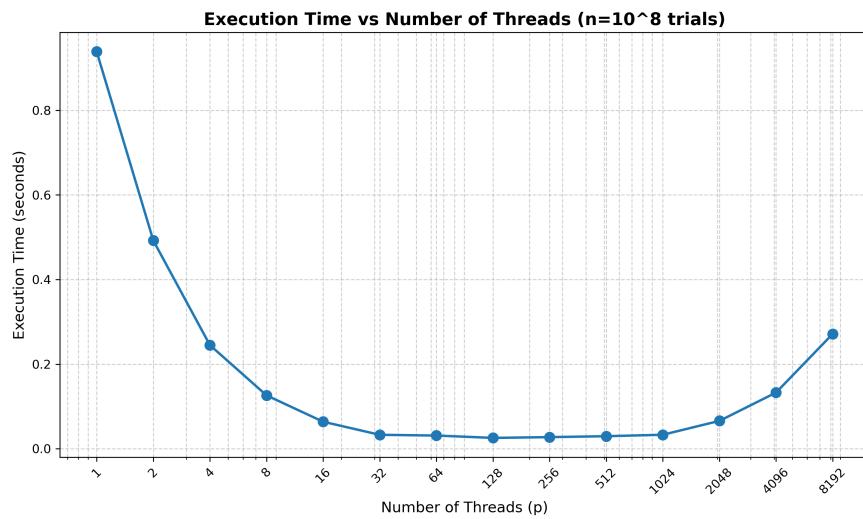


Figure 1: Execution Time vs Threads

Question 1.2

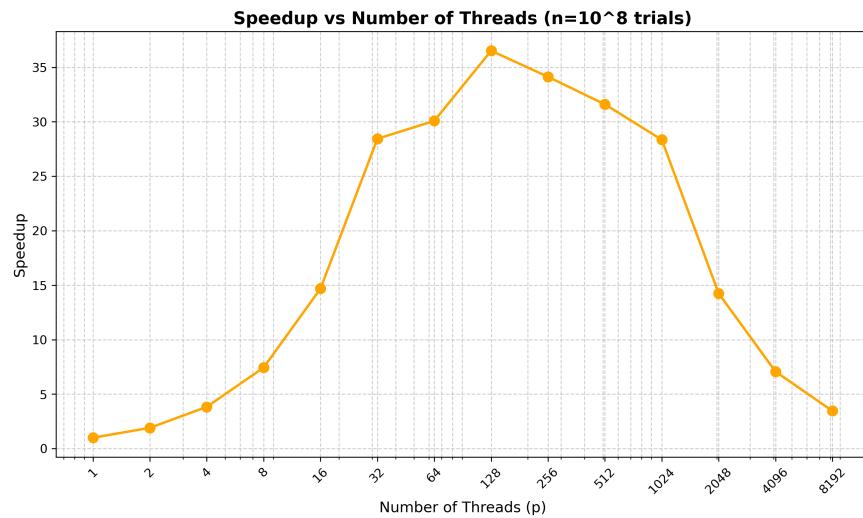


Figure 2: Speed Up vs Threads

Question 1.3

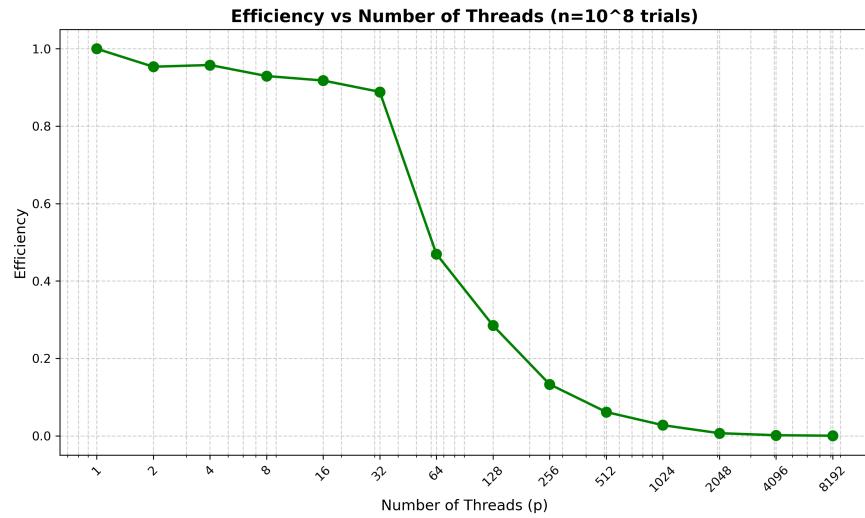


Figure 3: Effeciency vs Threads

Question 1.4

In your experiments, what value of p minimizes the parallel runtime?

128 Threads is the sweet spot to minimize the runtime.