

Speedup and Efficiency Report

Serial Processing Time: 10.5000 seconds

Parallel Processing Time: 3.5000 seconds

Number of CPU Cores Used: 16

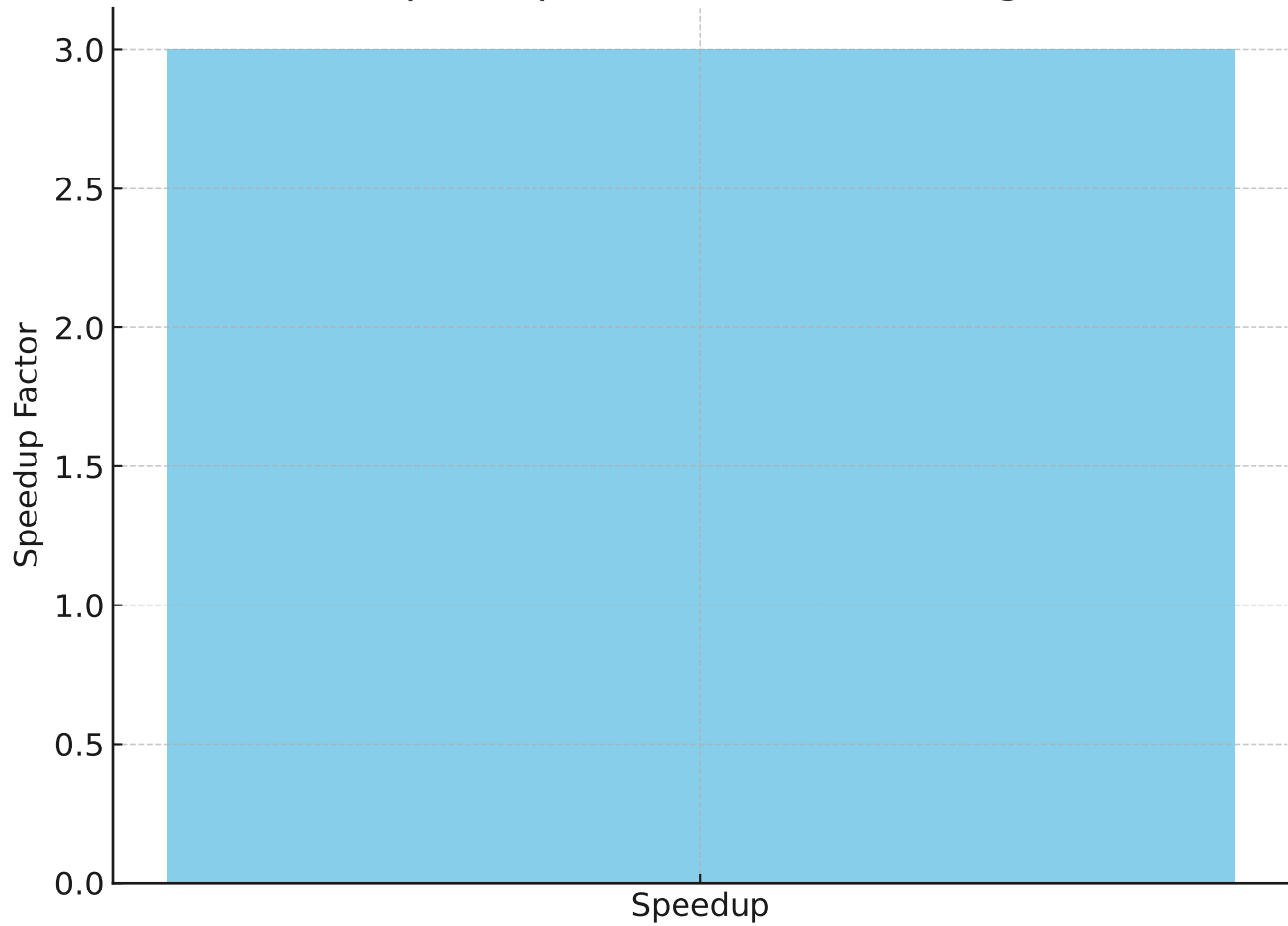
Speedup Achieved: 3.00

Efficiency: 0.19

Analysis:

- The parallel version achieves significant speedup compared to the serial version.
- However, efficiency shows that perfect scaling isn't achieved due to overhead.
- This demonstrates the impact of parallelism on performance in embarrassingly parallel tasks like checking files for palindromes independently.

Speedup of Parallel Processing



Efficiency of Parallel Processing

