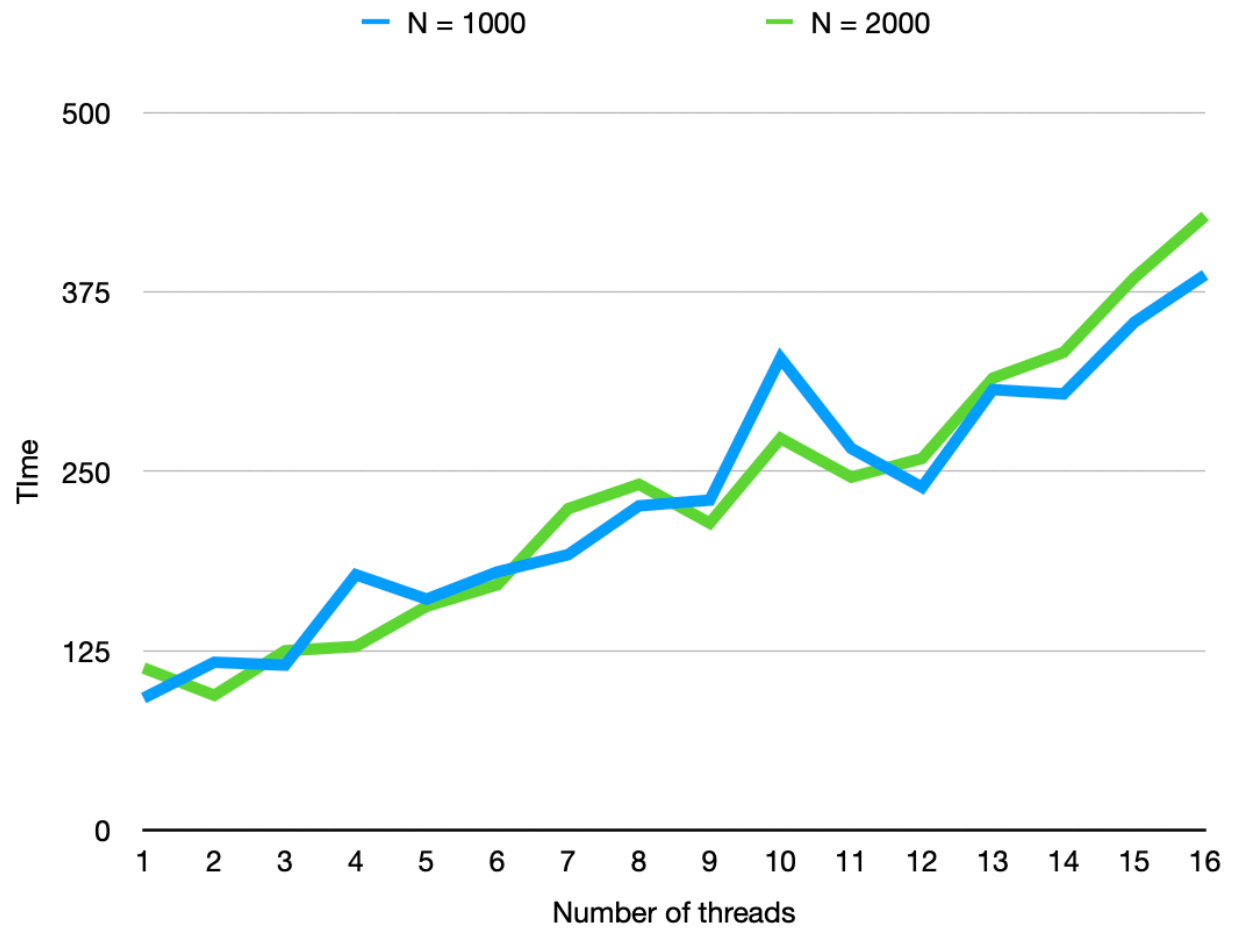


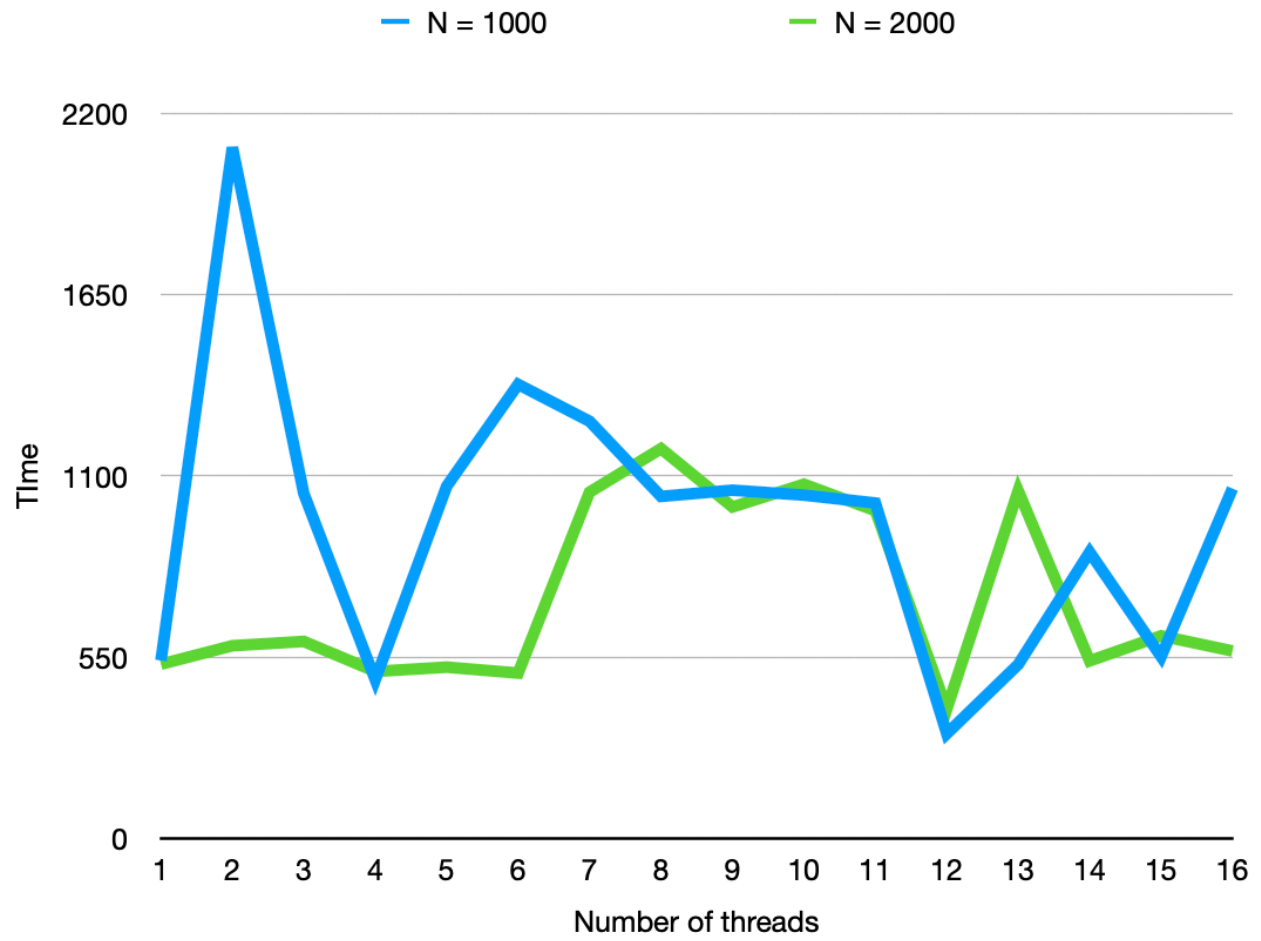
Analysis

1. String scaling

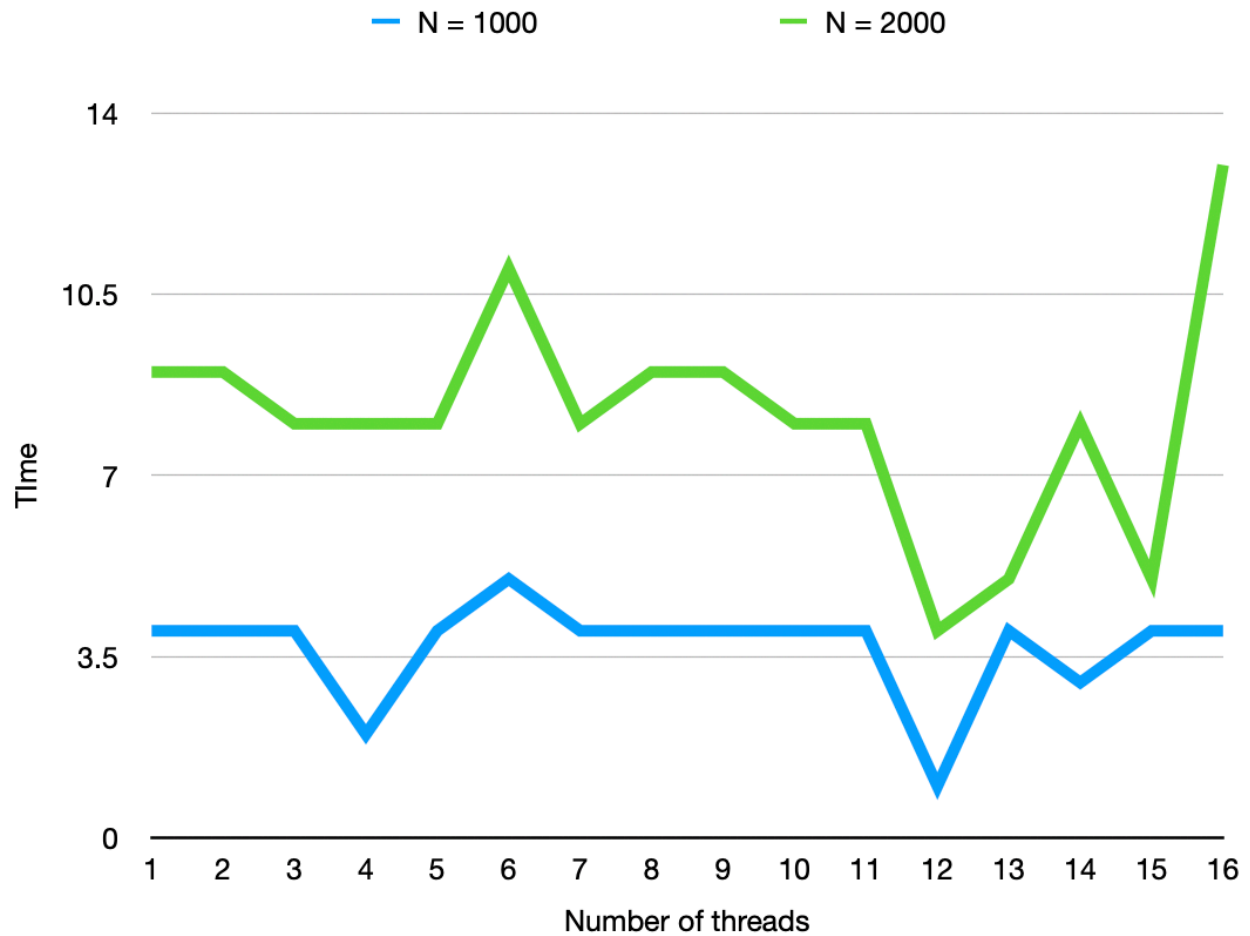
C++ Parallel Reduction



OpenMP Custom Parallel Reduction

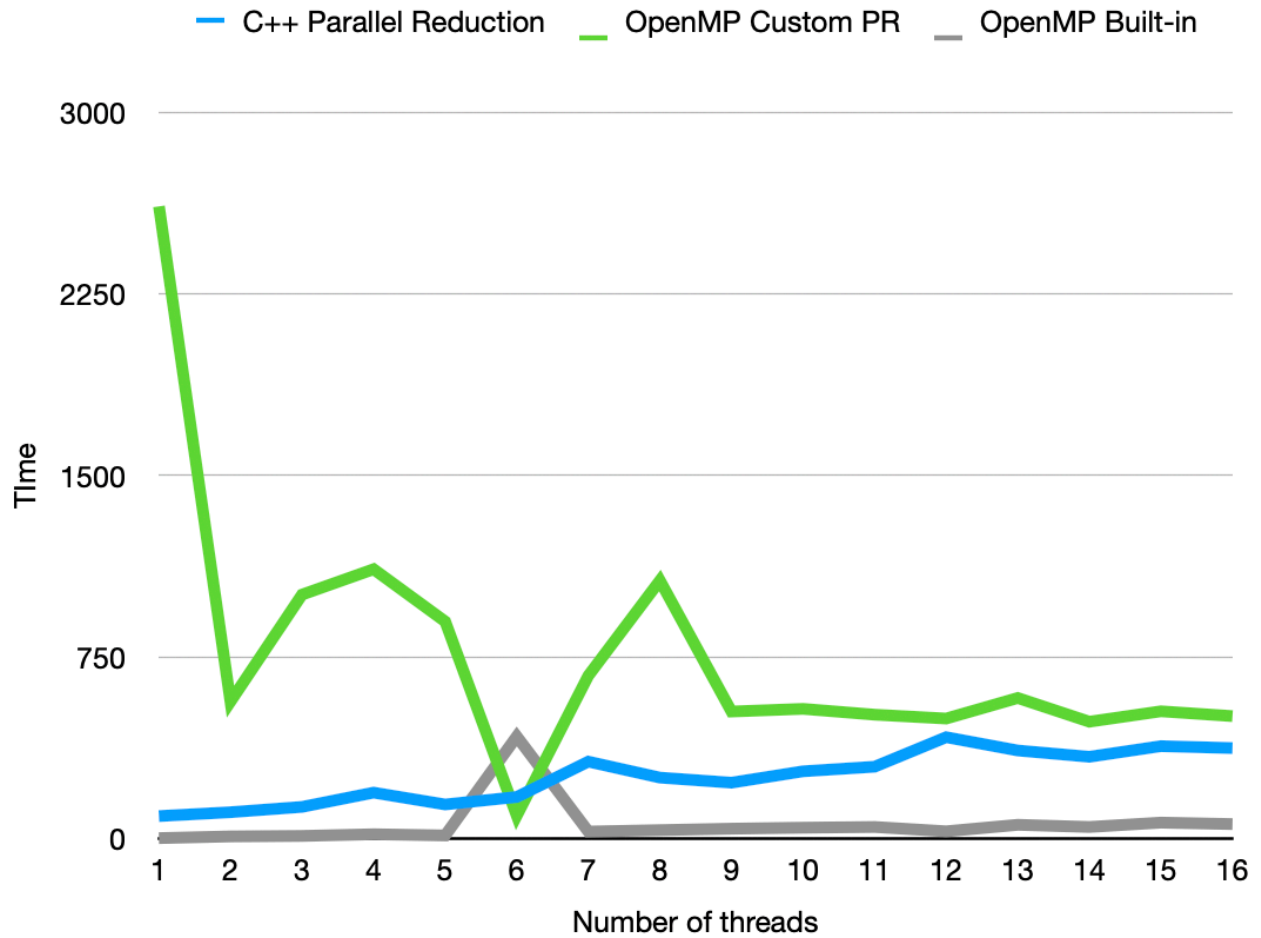


OpenMP Built-in Reduction



Analysis: In terms of performance, the parallel reduction in C++ looks the best. Both the custom parallel reduction and the OpenMP builtin reduction perform non-consistently. The reason is probably because of the delay in switching threads.

2. Weak scaling



(N increases from 1000 to 16000, accordingly)

From the graph, none of the three parts has good result. This is probably because the assignment was done on a Mac machine.