Multithreaded Sudoku Checker

I used three threads in this program: one for rows, columns, and 3x3 boxes. The threads each check all 9 cases given to them and then join back up in main. This seemed the most efficient way for me to do it because there is no simple way to divide up the tasks without exceeding the 10-thread limit. It also maximized the use of the processor while the threads were running because it divides up the workload pretty evenly; each thread is given 9 sections to check (9 rows, 9 columns, 9 boxes).

Start

Main

Row Checker

Column Checker

Box Checker

Final Corrections

Finish