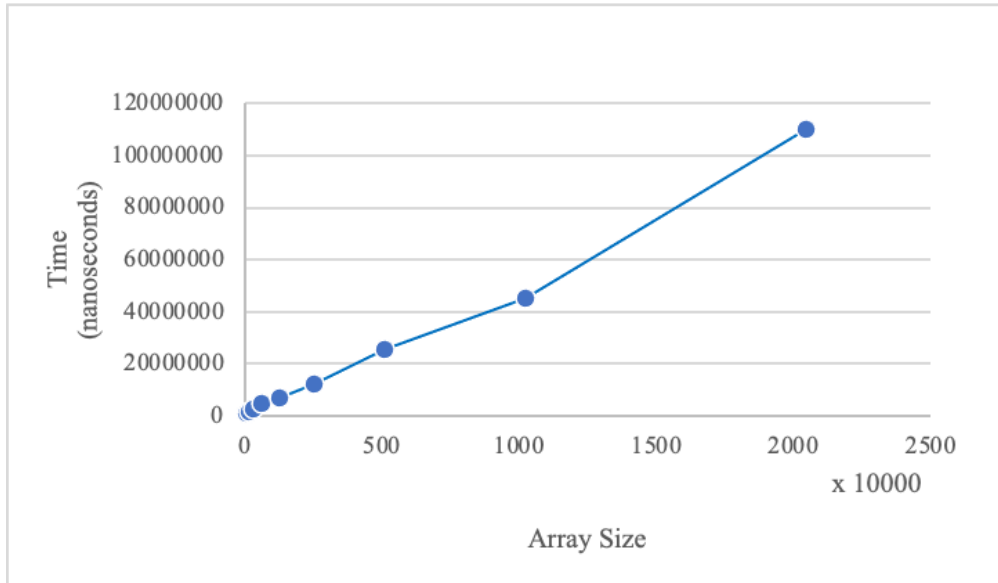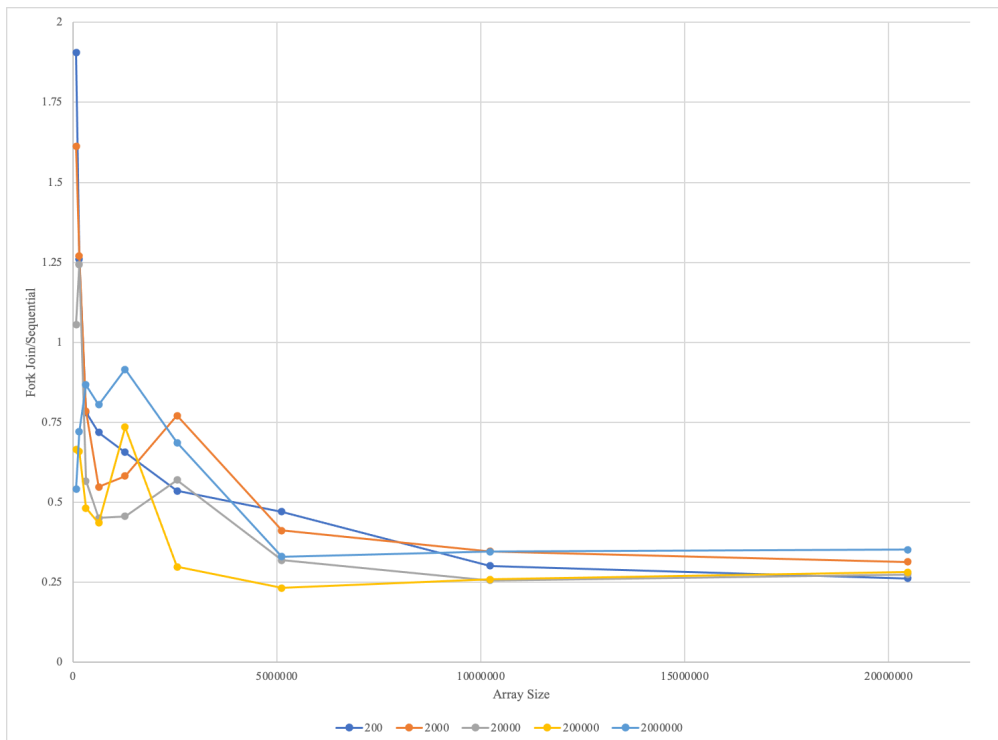# CountStringsFJ

Samuel Sicklick, Nov. 25 2021

Sequential Analysis

Fork Join (8 core machine) / Sequential Analysis

Conclusion

Linear speedup was not achieved, as the *.equals()* method performs a sequential check on each character in the string to determine if it is the same as *str*. This sequential processing cannot be eliminated and, as stated by Amdahl's Law (Parallelizing An Algorithm: Part 2, slide 41), there is therefore a limit to the extent which parallelizing will speed up the program.