

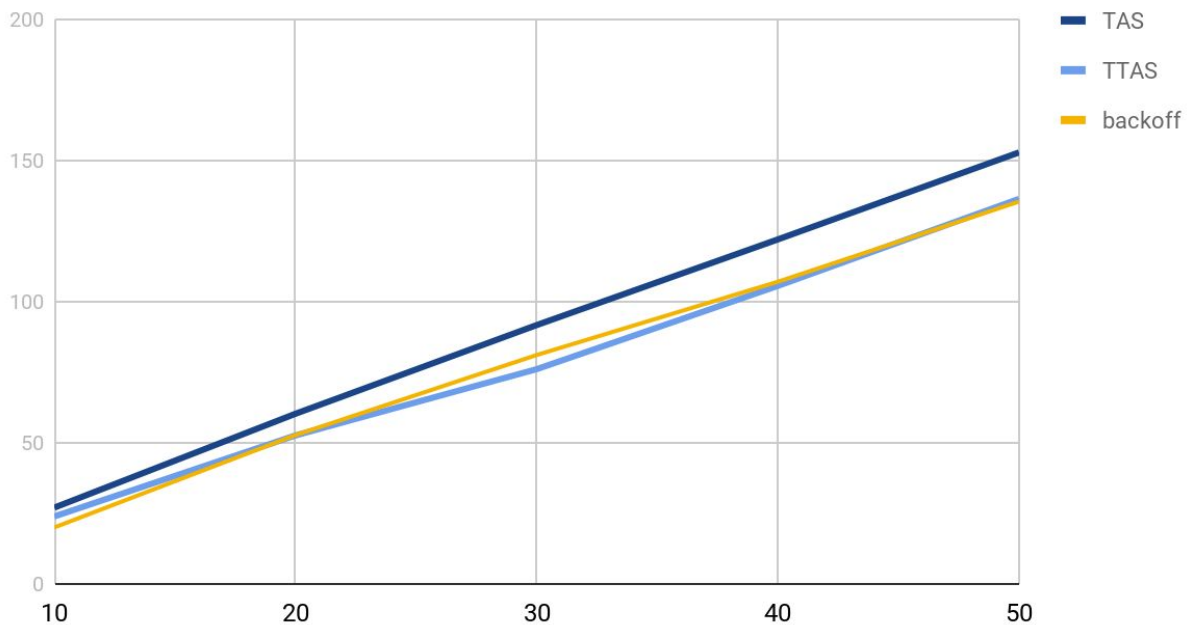
Programming Assignment 5

Comparison of TAS, TTAS and BackOff Locks

The goal of this assignment is to implement the three locking operations TAS, TTAS, backoff locks, then compare the performance of these locks by measuring two parameters: average and worst-case waiting time for threads.

This graph shows the comparison of three locks using average time metric. With number of threads on x-axis and worst case time on y-axis

Average time



The following graph shows comparison of three locks using metric worst case waiting time of thread. With number of threads on x-axis and worst case time on y-axis.

worst time

