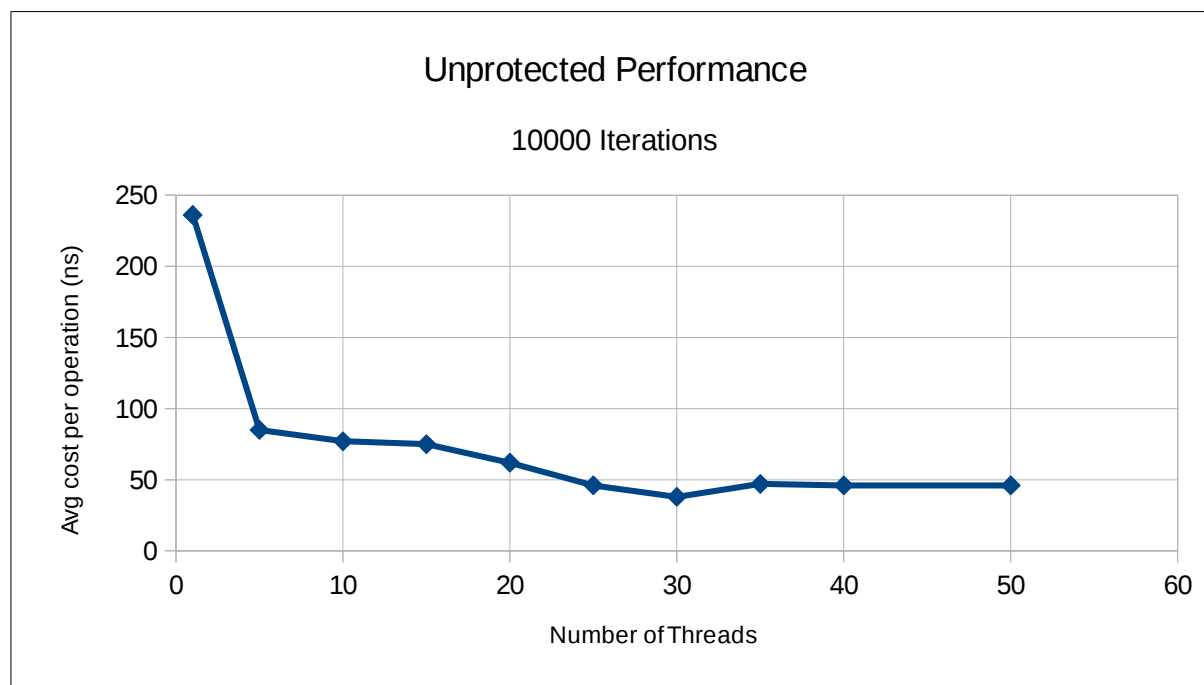
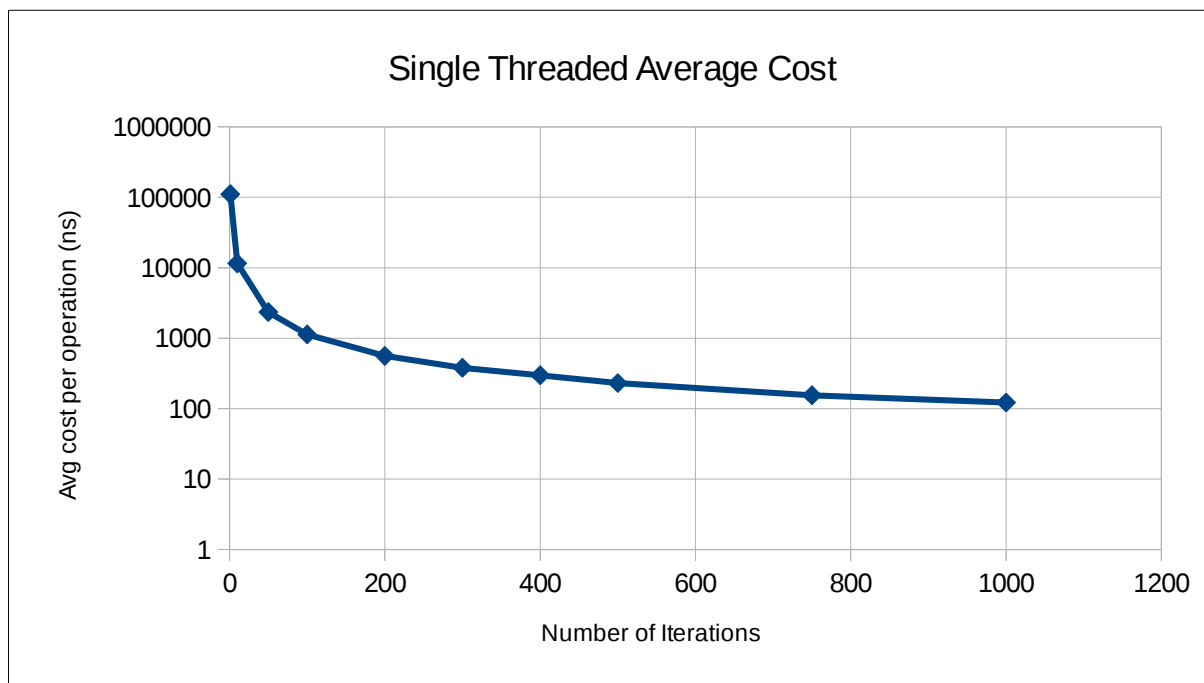
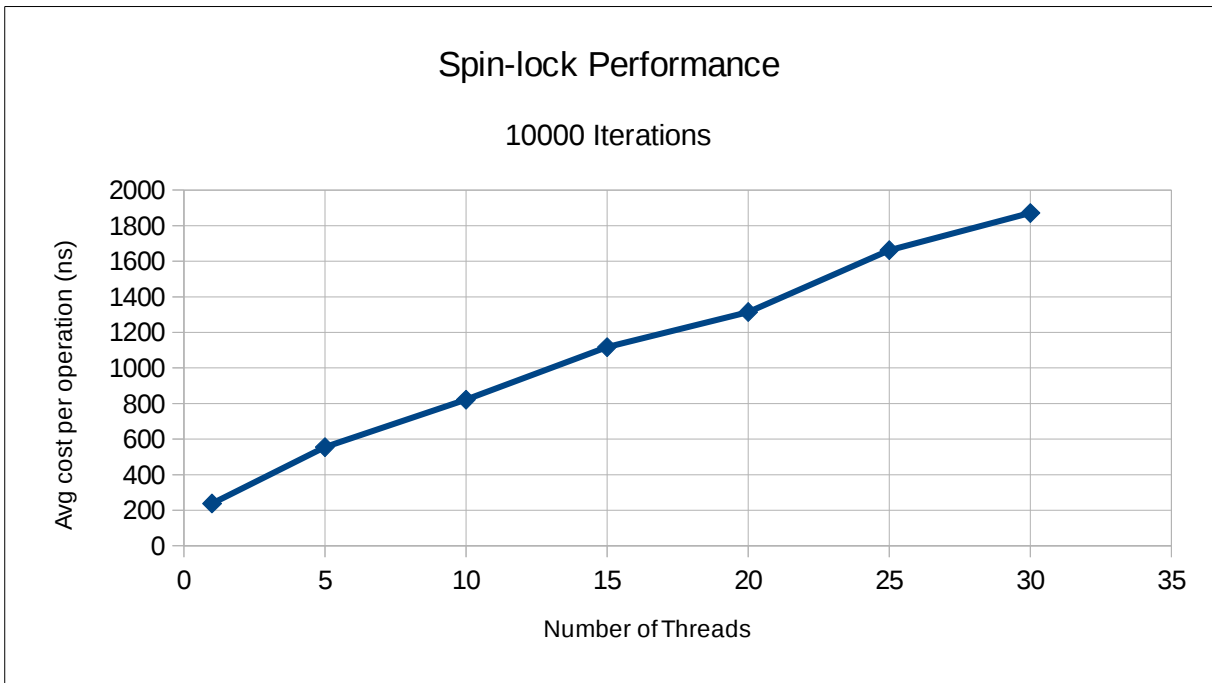
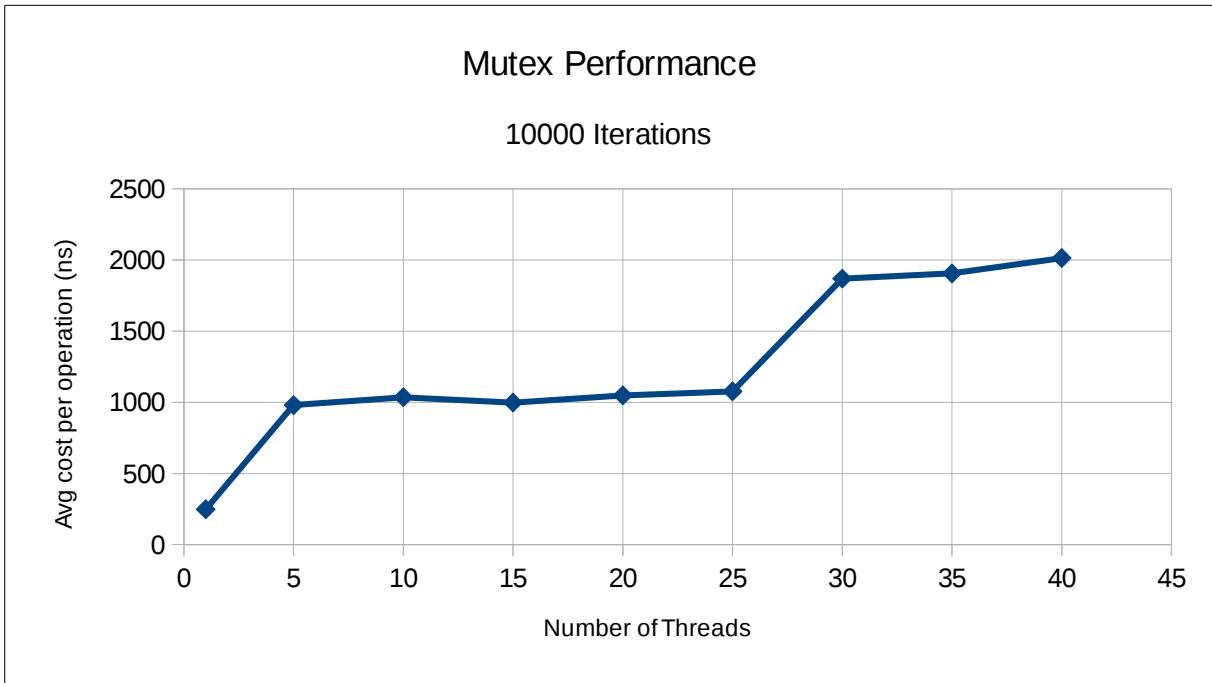
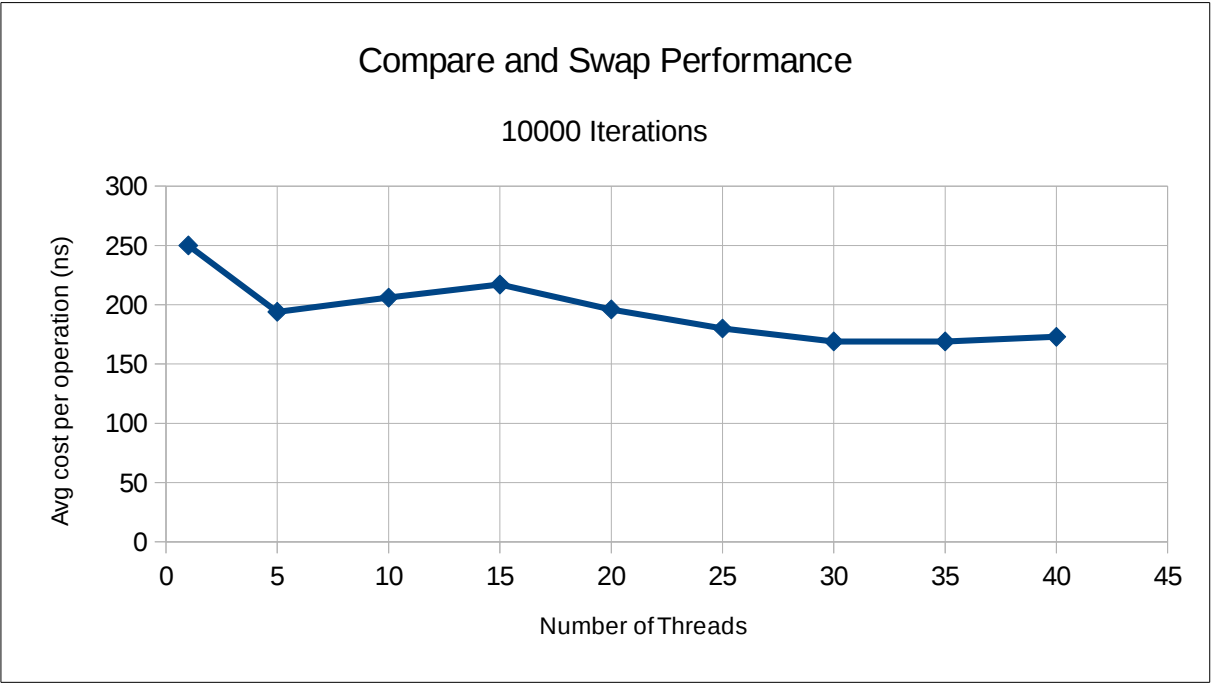


## CS111 Lab 4 Graphs

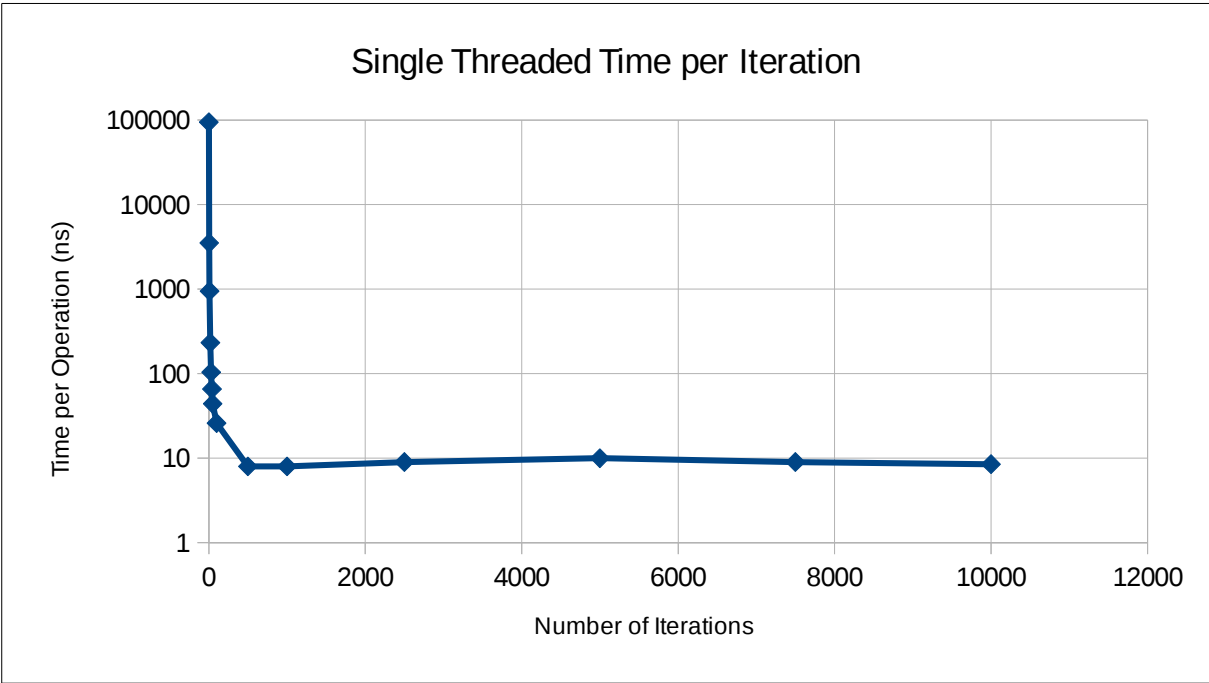
### Part 1





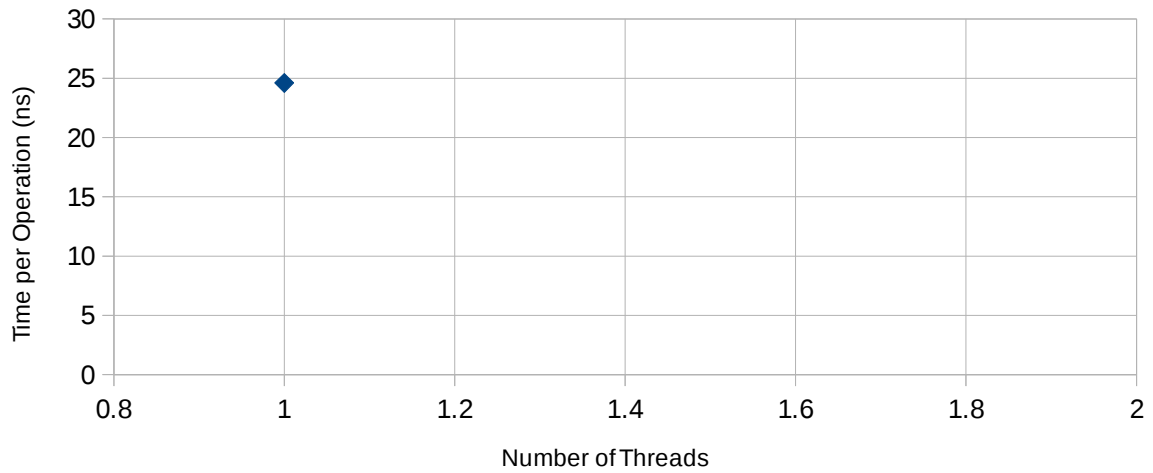


Part 2



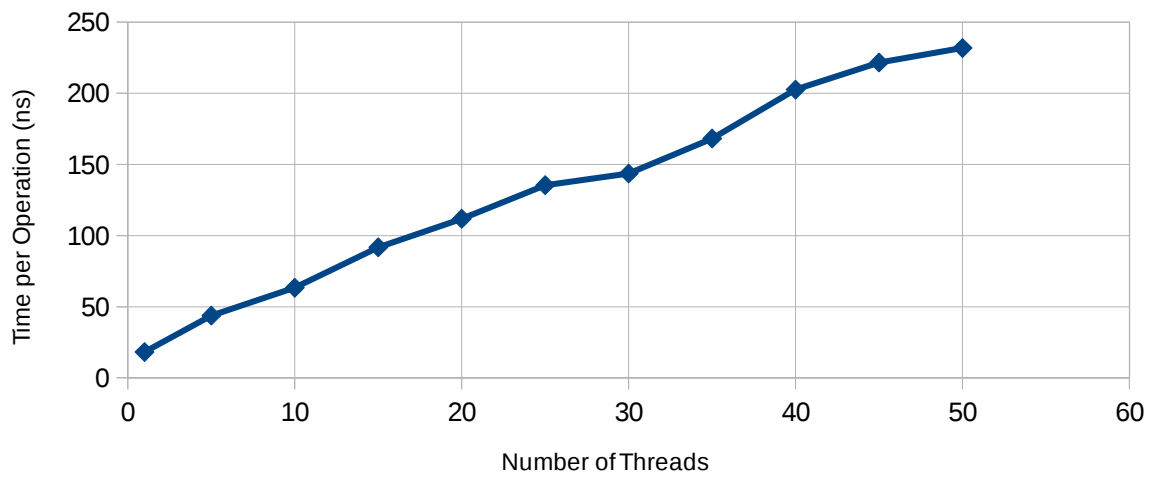
## Unprotected Performance

100 Iterations



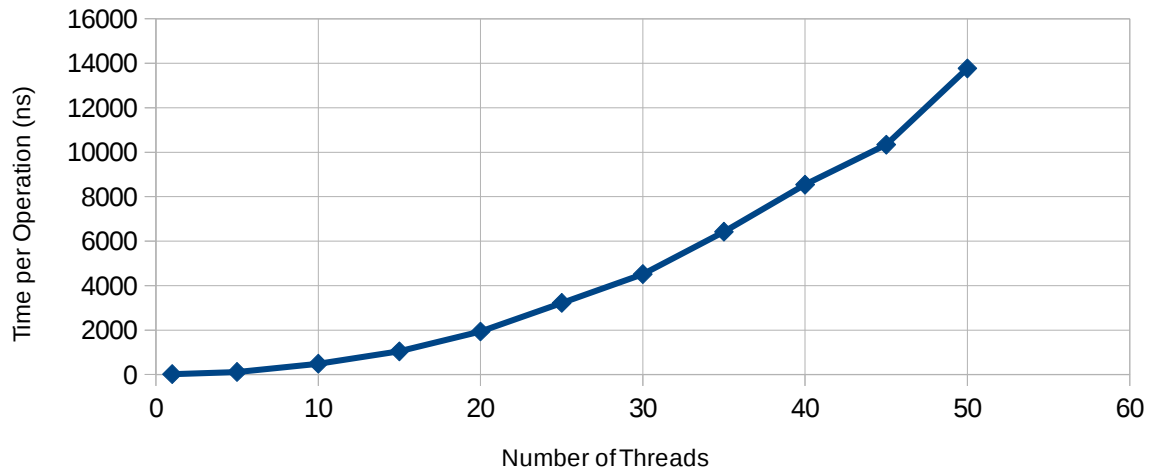
## Mutex Performance

100 Iterations



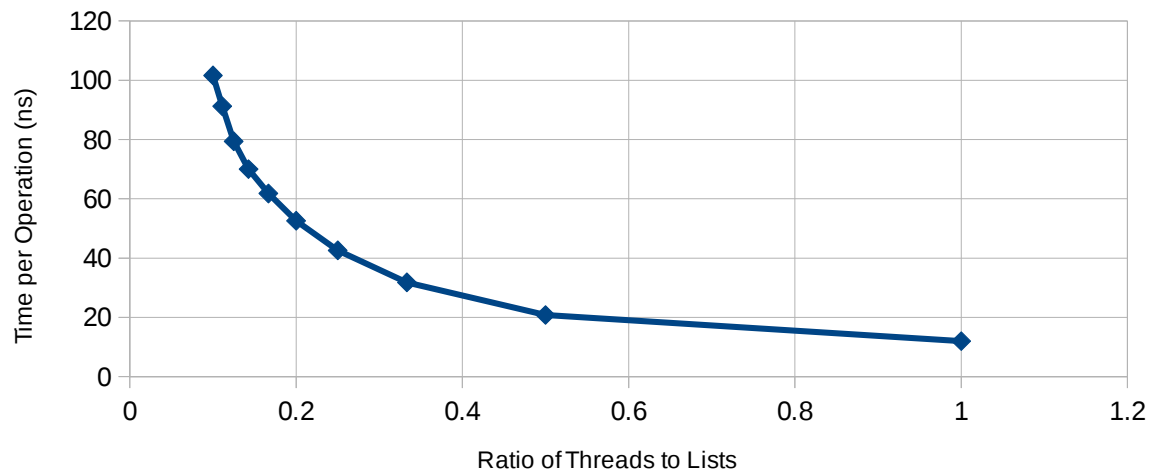
## Spinlock Performance

100 Iterations



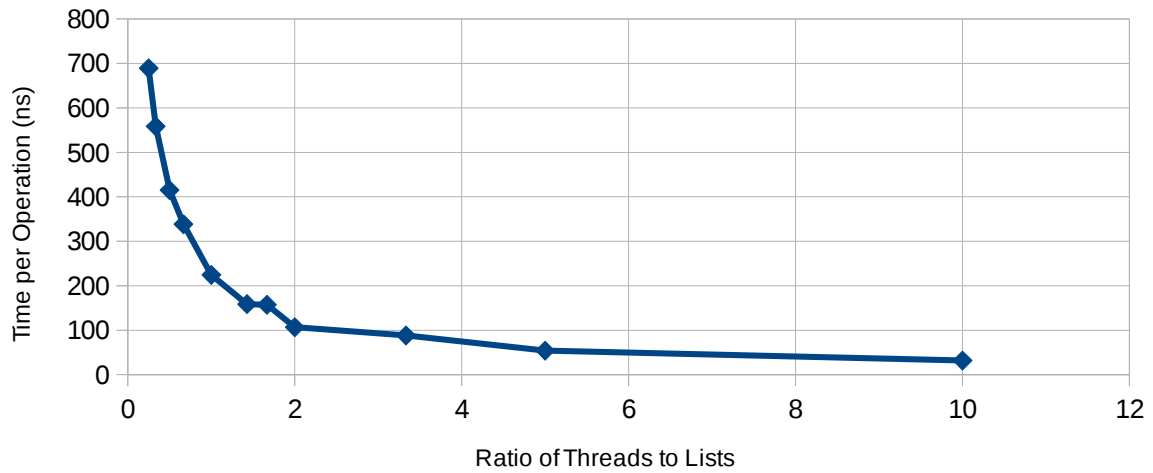
## Unprotected Sublist Performance

100 Iterations



## Mutex Sublist Performance

100 Iterations, 10 Threads



## Spinlock Sublist Performance

100 Iterations, 10 Threads

