Andrew Yong

604905807

Introduction:

Synchronized:

Synchronized State is the default program. Because of the synchronized keyword, this program, reliably works every time, but is excruciatingly slow

testing Synchronized

1000 iterations: Threads average 31082.5 ns/transition

10000 iterations: Threads average 10153.3 ns/transition

100000 iterations: Threads average 5674.07 ns/transition

1000000 iterations: Threads average 2546.59 ns/transition

testing Unsynchronized

1000 iterations: Threads average 54801.8 ns/transition

10000 iterations: Threads average 4782.94 ns/transition

100000 iterations: Threads average 499.138 ns/transition

1000000 iterations: Threads average 45.2803 ns/transition

testing AcmeSafe

1000 iterations: Threads average 75625.8 ns/transition

10000 iterations: Threads average 15085.2 ns/transition

100000 iterations: Threads average 5387.21 ns/transition

1000000 iterations: Threads average 1200.82 ns/transition