Operating Systems
Jacobs University Bremen
Brian Sherif Hanna Nasralla

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Homework 2

	Global Lock	Iterative Lock	Coin Lock
P=100 N=10000	84.979 ms	910.957ms	7528.29ms
P=200 N=10000	182.203ms	1883.923ms	14234.256ms
P=100 N=100000	782.011ms	9604.915ms	78482.832ms
P=200 N=50	15.076ms	14.51ms	49.678

Upon running the program several times. Each time with different parameters. It can be seen that runtimes increase for every strategy with the increase of the number of threads (P) and flips(N). The table shows that the Coin lock has the lowest runtime. While the Global lock has the fastest runtime. This is due to the fact that the Global lock has the largest amount of code in critical section and the overhead of locking and unlocking it is less then the coin lock method.
However, upon having an amount of flips tht is lower then the amount of threads; it appears that the Iterative lock takes the lead in becoming the fastest to complete the assigned amount of flips.