

Operating Systems CO-562

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Assignment 4

Problem 4.1

Please see code attached in file coins.c.

PERSONS	nr.of flips	Strategy1	Strategy2	Strategy3
100	10000	50.339 ms	1051.547 ms	5418.295 ms
100	20000	98.652 ms	2208.443 ms	10557.578 ms
200	10000	99.774 ms	1946.437 ms	9933.733 ms
200	20000	196.339 ms	3860.615 ms	20637.438 ms

As you can see, strategy 1 takes less time than strategy 2, which is faster than strategy 3. If we order them according to number of locks and unlocks, strategy 3 has bigger number than strategy 2, and strategy 2 has bigger number of locks and unlocks than strategy 1.
(strategy3 >> strategy2 >> strategy1)