The Cooper Union

PSET #6: Program Sample Runs

ECE-357

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Sample Runs

Test 1: Test and Set Spin Lock

```
> ./2Atest
Expected: 64000000
With spinlock: 64000000
Wihout spinlock: 8661471
>
```

Test 2: Shell Game

```
> ./shellgame 3 20000
VCPU 0 starting, pid 122
VCPU 3 starting, pid 125
Main process spawned all children, waiting
VCPU 4 starting, pid 126
VCPU 1 starting, pid 123
VCPU 2 starting, pid 124
VCPU 5 starting, pid 127
VCPU 0 done
Child 0 (pid 122) done, sig handler was invoked 3482 times
Child pid 122 exited w/ 0
VCPU 1 done
Child 1 (pid 123) done, sig handler was invoked 3314 times
Child pid 123 exited w/ 0
VCPU 5 done
Child 5 (pid 127) done, sig handler was invoked 3377 times
VCPU 4 done
Child 4 (pid 126) done, sig handler was invoked 3113 times
VCPU 2 done
Child 2 (pid 124) done, sig handler was invoked 3414 times
VCPU 3 done
Child 3 (pid 125) done, sig handler was invoked 3428 times
Child pid 124 exited w/ 0
Child pid 125 exited w/ 0
Child pid 126 exited w/ 0
Child pid 127 exited w/ 0
Sem#    val         sleeps       wakes
0        3
 VCPU 0              3482        3482
 VCPU 1                 0           0
 VCPU 2              3414        3414
 VCPU 3                 0           0
 VCPU 4                 0           0
 VCPU 5                 0           0
1        3
 VCPU 0                 0           0
 VCPU 1              3314        3314
 VCPU 2                 0           0
 VCPU 3                 0           0
 VCPU 4              3113        3113
 VCPU 5                 0           0
2        3
 VCPU 0                 0           0
 VCPU 1                 0           0
 VCPU 2                 0           0
 VCPU 3              3428        3428
 VCPU 4                 0           0
 VCPU 5              3377        3377
>
```