PC side / PG-01

```
● ● hhong@PG-01: ~/Cloud/bin
hhona@PG-01: ~/Clo... × hhor
hhong@PG-01:~/Cloud/bin$ java pc/PC
PC(168.18.104.56) is bounded for IO module connection.
PC(168.18.104.56) is bounded for Worker module connection.
Connected IP : 168.18.104.57
Connected IP : 168.18.104.57 168.18.104.58
Connected IP: 168.18.104.57 168.18.104.58 168.18.104.61
Connected IP: 168.18.104.57 168.18.104.58 168.18.104.61
Multiplication Thread 0 start..
Multiplication Thread 1 start..
Multiplication Thread 2 start..
Multiplication Thread 0 finished..
Multiplication Thread 1 finished..
Multiplication Thread 2 finished..
Determinant Thread(Worker) 0 start..
Determinant Thread(Worker) 1 start..
Determinant Thread(Worker) 2 start..
Connected IP : 168.18.104.57 168.18.104.58 168.18.104.61
Determinant Thread(Worker) 0 finished..
Determinant Thread(Worker) 0 start..
Determinant Thread(Worker) 1 finished..
Determinant Thread(Worker) 1 start..
Determinant Thread(Worker) 2 finished..
Determinant Thread(Worker) 2 start..
Connected IP : 168.18.104.57 168.18.104.58 168.18.104.61
Determinant Thread(Worker) 0 finished..
Determinant Thread(Worker) 0 start..
Determinant Thread(Worker) 1 finished..
Determinant Thread(Worker) 1 start..
Determinant Thread(Worker) 2 finished..
Determinant Thread(Worker) 2 start..
Connected IP: 168.18.104.57 168.18.104.58 168.18.104.61
```

Worker1 / PG-02

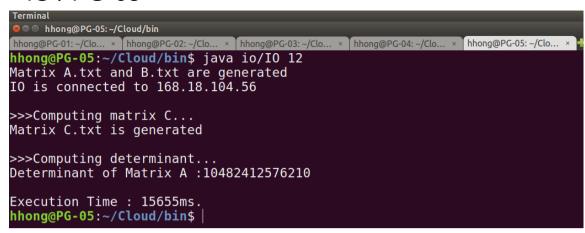
Worker2 / PG-03

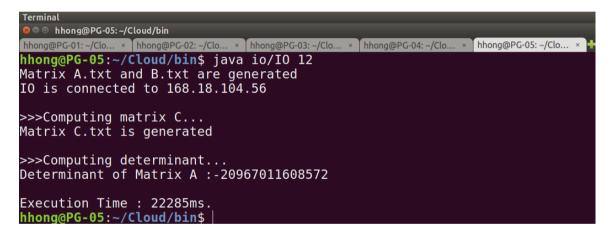
```
Terminal

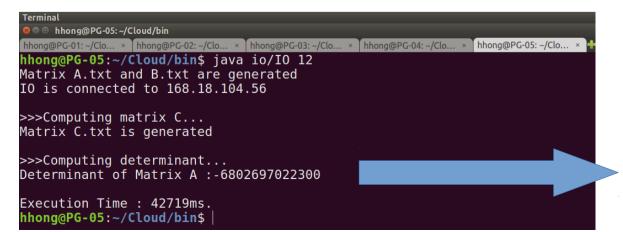
Solution | S
```

Worker3 / PG-04

IO / PG-05







Execution time comparison.

Matrix Size: 12

3 Workers: 15,655ms 2 Workers: 22,285ms 1 Worker: 42,719ms

Verify result with octave

```
>> load A.txt
>> load B.txt
>> load C.txt
>> A*B-C
ans =
                                                  0
                   0
   0
                                             0
   0
                   0
   0
   0
                                                  0
   0
           0
                        0
                                0
                                             0
   0
                        0
                                    0
                                             0
                                                 0
>> det(A)
        -6.8027e+12
>> format long
>> det(A)
ans = -6802697022300.01
>>
```