

Genbu number: 07

Genbu password: ieMeth8o

Problem 5

- # GPU: 6
- RAM: 252 Gb
- CPU Cores: 64
- Python version: 2.7.12

Problem 3

Pub/Sub working:

```
[INFO] [1601335850.771573] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335851.771574] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335852.771526] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335853.771552] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335854.771506] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335855.771556] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335856.771556] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335857.771375] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335858.771527] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335859.771572] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335860.771620] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335861.771329] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335862.771574] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335863.771569] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335864.771578] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335865.771548] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335866.771543] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335867.771486] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
[INFO] [1601335868.771611] /my_subscriber_2549915_16013358438461 heard hl at position (1, 1, 1) with randomness 9000
```

Problem 4

- Topic is registered and visible:

```
group07@genbu: ~/catkin_ws/src/aa274_s2/scripts$ rostopic list
/my_topic
/rosout
/rosout_agg
group07@genbu: ~/catkin_ws/src/aa274_s2/scripts$
```

- Publishing:

```
group07@genbu:~/catkin_ws/src/aa274_s2/scripts$ rostopic echo /my_topic
name: "hi"
position:
  x: 1.0
  y: 1.0
  z: 1.0
randomness_factor: 9000
---
name: "hi"
position:
  x: 1.0
  y: 1.0
  z: 1.0
randomness_factor: 9000
---
name: "hi"
```

c. Frequency:

```
group07@genbu:~/catkin_ws/src/aa274_s2/scripts$ rostopic hz /my_topic
subscribed to [/my_topic]
no new messages
average rate: 1.000
  min: 1.000s max: 1.000s std dev: 0.000000s window: 2
average rate: 1.000
  min: 1.000s max: 1.000s std dev: 0.00022s window: 3
average rate: 1.000
  min: 1.000s max: 1.000s std dev: 0.00018s window: 4
average rate: 1.000
  min: 1.000s max: 1.000s std dev: 0.00015s window: 5
^Cno new messages
```