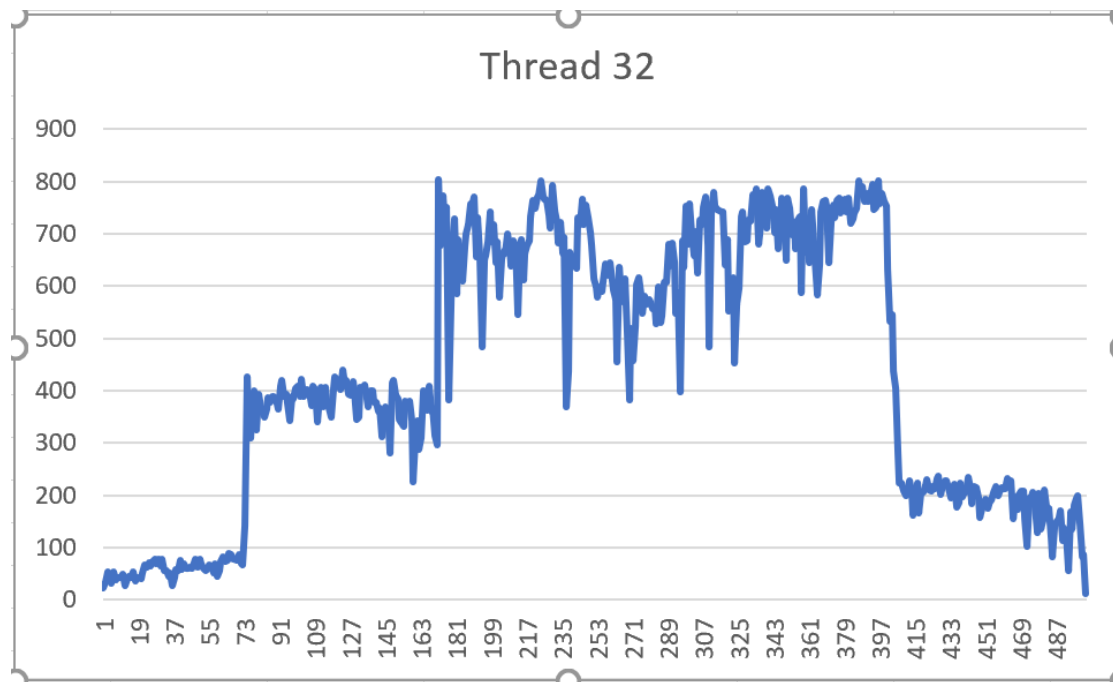
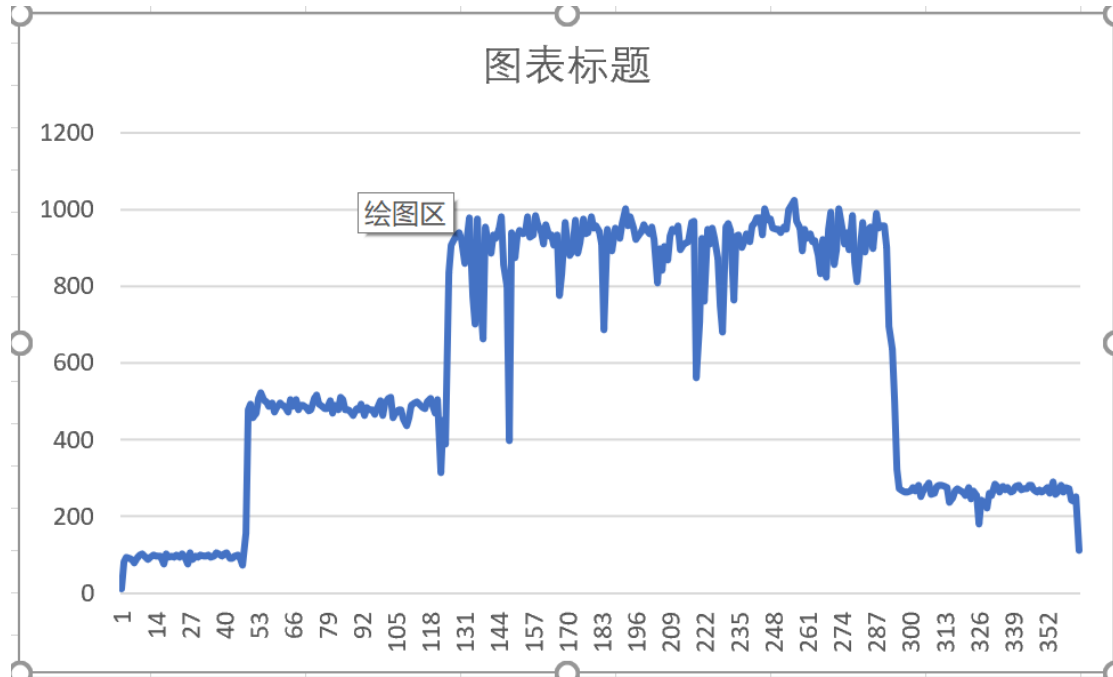


Report

Code Link: https://github.com/zzl1115/DistributedSystem/tree/master/ds_proj_2

Step 1, Step 2 and Step 3

32 Thread:

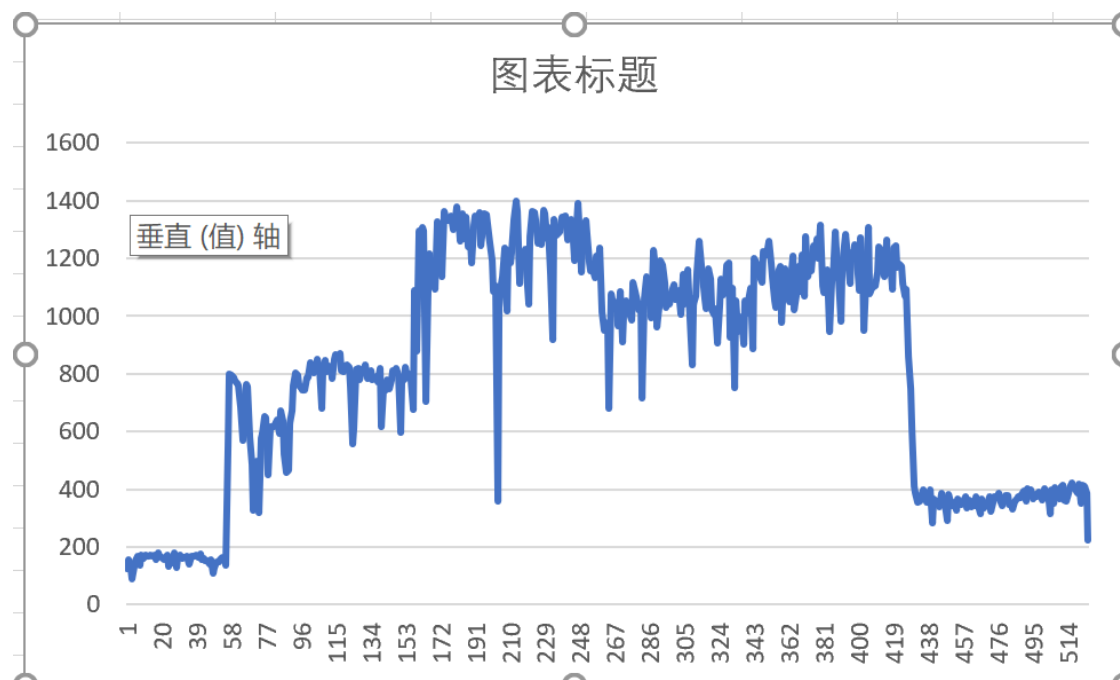


```
MyClient Starting ..... Time: 09:45:06
Warmup phase: All threads running
Warmup phase complete: Time 74.0 seconds
Loading phase: All threads running
Loading phase complete: Time 98.0 seconds
Peak phase: All threads running
Peak phase complete: Time 231.0 seconds
CoolDown phase: All threads running
CoolDown phase complete: Time 99.0 seconds
Wall Time 502.0 seconds
P95: 68
P99: 121
Total requests: 240379
CSV file was created successfully !!!

Process finished with exit code 0
```

Forgot the average throughput, so I calculate it manually: **Throughput: 478**

Thread 64:

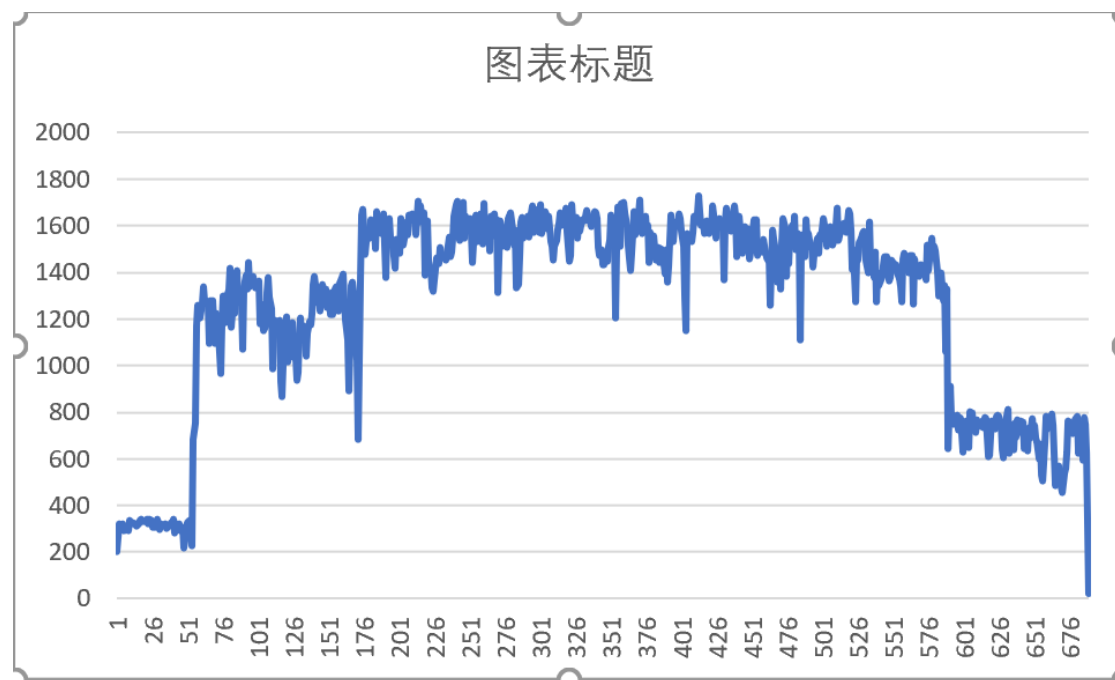


```
MyClient Starting ..... Time: 09:55:39
Warmup phase: All threads running
Warmup phase complete: Time 56.0 seconds
Loading phase: All threads running
Loading phase complete: Time 101.0 seconds
Peak phase: All threads running
Peak phase complete: Time 271.0 seconds
CoolDown phase: All threads running
CoolDown phase complete: Time 98.0 seconds
Wall Time 526.0 seconds
P95: 75
P99: 111
Total requests: 480835
CSV file was created successfully !!!

Process finished with exit code 0
```

Forgot the average throughput, so I calculate it manually: **Throughput: 914**

Thread 128

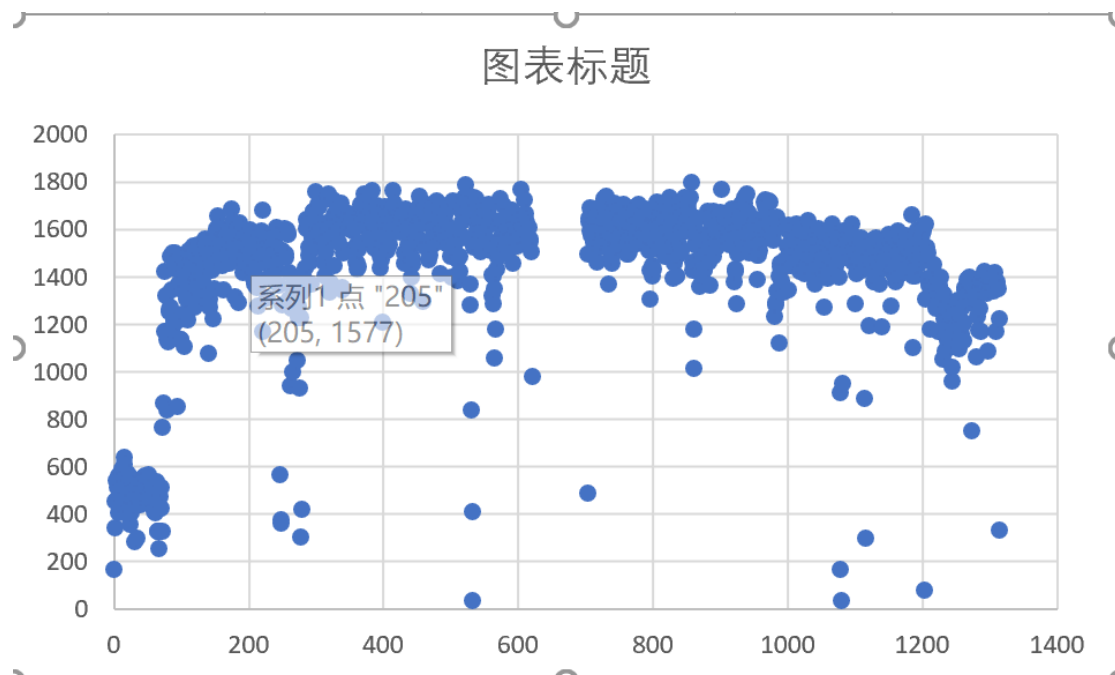


```
MyClient Starting ..... Time: 10:06:17
Warmup phase: All threads running
Warmup phase complete: Time 55.0 seconds
Loading phase: All threads running
Loading phase complete: Time 115.0 seconds
Peak phase: All threads running
Peak phase complete: Time 419.0 seconds
CoolDown phase: All threads running
CoolDown phase complete: Time 100.0 seconds
Wall Time 689.0 seconds
P95: 111
P99: 137
Total requests: 961569
CSV file was created successfully !!!

Process finished with exit code 0
```

Forgot the average throughput, so I calculate it manually: **Throughput: 1395**

Thread 256:



I have no idea that why one part is miss 😞

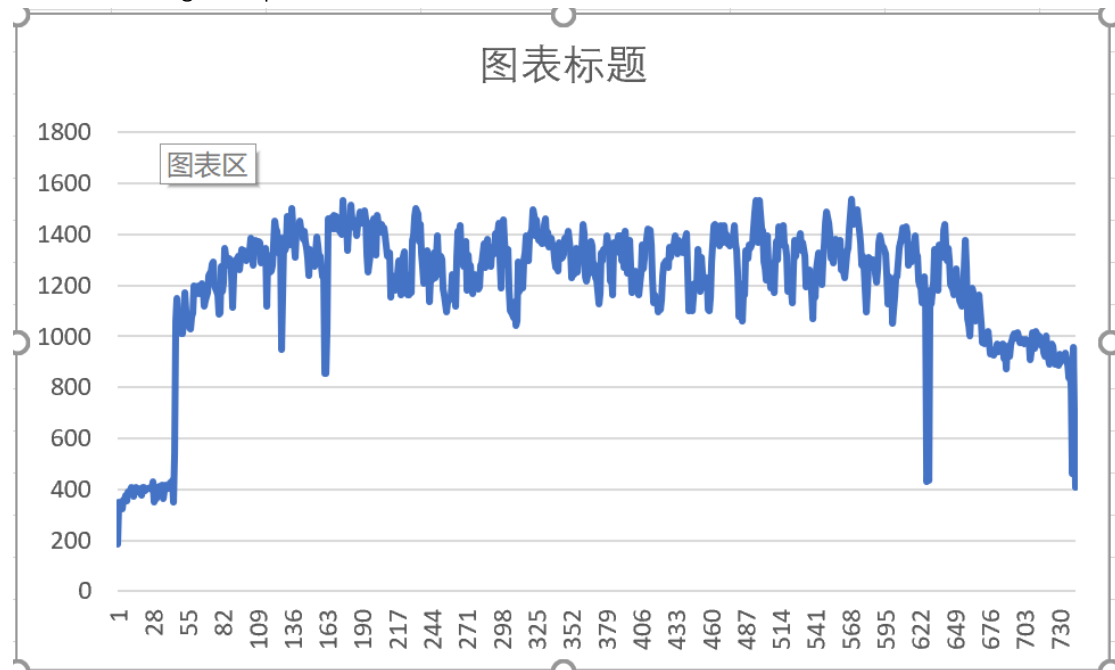
```
MyClient Starting ..... Time: 13:51:15
Warmup phase: All threads running
Warmup phase complete: Time 76.0 seconds
Loading phase: All threads running
Loading phase complete: Time 267.0 seconds
Peak phase: All threads running
Peak phase complete: Time 887.0 seconds
Cooldown phase: All threads running
Cooldown phase complete: Time 146.0 seconds
Wall time 1376.0 seconds
P95 126
P99 148
Total requests: 1923138
CSV file was created successfully

Process finished with exit code 0
```

Step 4

The plot shows that the performance looks more even, it can't shows the four phases directly.

Load Balancing Group with 128 threads



```
MyClient Starting ..... Time: 11:28:34
Warmup phase: All threads running
Warmup phase complete: Time 45.0 seconds
Loading phase: All threads running
Loading phase complete: Time 116.0 seconds
Peak phase: All threads running
Peak phase complete: Time 501.0 seconds
CoolDown phase: All threads running
CoolDown phase complete: Time 80.0 seconds
Wall Time 742.0 seconds
P95: 234
P99: 354
Total requests: 961748
CSV file was created successfully !!!
```

Forgot the average throughput, so I calculate it manually: **Throughput: 1296**

Load balancing 256 threads can not finishing peak phase

```
C:\Java\jdk1.8.0_144\bin\java ...
```

```
MyClient Starting ..... Time: 12:23:19
```

```
Warmup phase: All threads running
```

```
Warmup phase complete: Time 53.0 seconds
```

```
Loading phase: All threads running
```

```
Loading phase complete: Time 414.0 seconds
```

```
Peak phase: All threads running
```

```
|
```