```
300,500,20,30
12,500,9,3
1000,200,3,3
0,100,1,5
0,500,100,3
====== FCFS scheduling =======
PCB: (0,100,1,5)
Finishing time: 401
Turnaround Time: 401
CPU time : 100
I/O time : 301
Waiting time : 0
PCB: (0,500,100,3)
Finishing time: 923
Turnaround Time: 923
CPU time : 500
I/O time : 22
Waiting time : 401
PCB: (12,500,9,3)
Finishing time: 1617
Turnaround Time: 1605
CPU time : 500
I/O time : 194
Waiting time : 911
PCB: (300,500,20,30)
Finishing time : 2902
Turnaround Time : 2602
CPU time : 500
I/O time : 785
Waiting time : 1317
PCB: (1000,200,3,3)
Finishing time : 3311
Turnaround Time: 2311
CPU time : 200
I/O time : 209
Waiting time : 1902
Scheduling 완료된 process의 갯수 : 5
Total Fininshing time : 3311
CPU utilization: 800.0
I/O utilization : 200.0
Throughput: 0.15101177891875567
Average turnaround time: 1568.4
Average waiting time : 906.2
```

```
======== SJF scheduling =======
PCB: (0,100,1,5)
Finishing time: 396
Turnaround Time: 396
CPU time : 100
I/O time : 292
Waiting time: 0
PCB: (12,500,9,3)
Finishing time: 1115
Turnaround Time : 1103
CPU time : 500
I/O time : 218
Waiting time: 384
PCB: (1000,200,3,3)
Finishing time: 1507
Turnaround Time: 507
CPU time : 200
I/O time : 190
Waiting time: 115
PCB: (300,500,20,30)
Finishing time: 2843
Turnaround Time: 2543
CPU time : 500
I/O time : 827
Waiting time: 1207
PCB: (0,500,100,3)
Finishing time: 3368
Turnaround Time: 3368
CPU time : 500
I/O time : 23
Waiting time: 2843
Scheduling 완료된 process의 갯수 : 5
Total Fininshing time: 3368
CPU utilization: 300.0
I/O utilization: 200.0
Throughput: 0.14845605700712589
Average turnaround time: 1583.4
Average waiting time: 909.8
PS C:\Users\Home>
```