

Scheduling with changing of Queue Level

-A process is shifted to higher Queue level if it had waited for a time greater than a factor

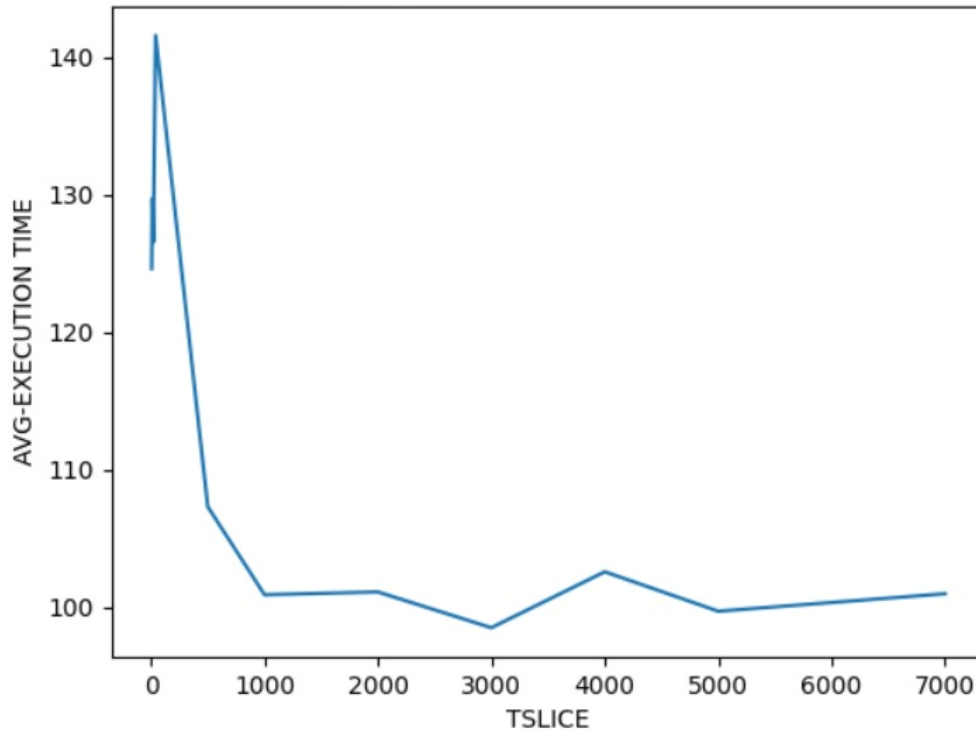
```
-----  
pid: 10990 created:14.00 wait:0.00 execTime:90.00  
pid: 10995 created:14.00 wait:0.00 execTime:96.00  
pid: 10999 created:14.00 wait:1.00 execTime:94.00  
pid: 11004 created:14.00 wait:50.00 execTime:143.00  
pid: 11005 created:14.00 wait:1.00 execTime:94.00  
pid: 11006 created:14.00 wait:2.00 execTime:81.00  
pid: 11007 created:14.00 wait:12.00 execTime:110.00  
pid: 11008 created:14.00 wait:2.00 execTime:87.00  
pid: 11009 created:14.00 wait:3.00 execTime:95.00  
pid: 11010 created:14.00 wait:29.00 execTime:126.00  
pid: 11011 created:14.00 wait:50.00 execTime:144.00  
pid: 11012 created:14.00 wait:12.00 execTime:111.00  
pid: 11013 created:14.00 wait:3.00 execTime:95.00  
pid: 11014 created:14.00 wait:29.00 execTime:128.00  
-----  
Average Execution time: 106.71  
Average Wait time: 13.86
```

Scheduling Without changing of Queue Level

```
-----  
pid: 10842 created:10.00 wait:0.00 execTime:74.00  
pid: 10847 created:10.00 wait:0.00 execTime:74.00  
pid: 10850 created:10.00 wait:81.00 execTime:102.00  
pid: 10854 created:10.00 wait:1.00 execTime:75.00  
pid: 10856 created:10.00 wait:101.00 execTime:121.00  
pid: 10859 created:10.00 wait:102.00 execTime:122.00  
pid: 10860 created:10.00 wait:121.00 execTime:142.00  
pid: 10861 created:10.00 wait:2.00 execTime:75.00  
pid: 10862 created:10.00 wait:3.00 execTime:79.00  
pid: 10863 created:10.00 wait:3.00 execTime:79.00  
pid: 10864 created:10.00 wait:5.00 execTime:81.00  
pid: 10865 created:10.00 wait:122.00 execTime:142.00  
pid: 10866 created:10.00 wait:81.00 execTime:101.00  
pid: 10867 created:10.00 wait:5.00 execTime:81.00  
-----  
Average Execution time: 96.29  
Average Wait time: 44.79
```

Result: Due to the changing of Queue Level average waiting time is reduced and also prevent from starvation

Keeping the number of Process =2



Keeping the number of Process =2

