Sample Input and Output

1. Here is the content of the sample "TaskSpec.txt":

T1,0,8

T2,1,4

T3,2,9

T4,3,5

2. Here is the content of the "Output.txt" when the above "TaskSpec.txt" is processed by your program:

```
FCFS:
T1
      0
             8
T2
      8
             12
T3
      12
             21
T4
      21
             26
Waiting Time T1: 0
Waiting Time T2: 7
Waiting Time T3: 10
Waiting Time T4: 18
```

Average Waiting Time: 8.75

Waiting Time T1: 12

Waiting Time T2: 3

Waiting Time T3: 15

Waiting Time T4: 17

Average Waiting Time: 11.75

NPSJF:

T1 0 8 T2 8 12 T4 12 17 T3 17 26 Waiting Time T1: 0

Waiting Time T2: 7

Waiting Time T3: 15

Waiting Time T4: 9

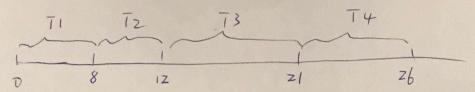
Average Waiting Time: 7.75

PSJF: T1 0 1 T2 1 5 T4 5 10 T1 10 17 Т3 17 26 Waiting Time T1: 9 Waiting Time T2: 0 Waiting Time T3: 15 Waiting Time T4: 2

Average Waiting Time: 6.50

3. The detailed analysis of this sample scenario can be found in the following pages.

OFCFS



Arrivali 0 1 2 3 Time 1 11 12 13 14

waiting time: T1: 0-0=0

T2: 8-1=7

T3: 12-2=10

T4: 21-3=18

Average Waiting Time: (0+7+10+18)/4=8.75

Arrival

Time: DIZ3

Waiting Time: T1: (0-0)+ (16-4)=12

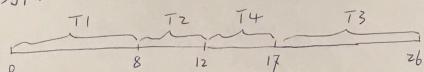
T2: (4-1) = = 3

73: (8-2) + (20-12) + (25-24) = 15

74: (12-3)+ (24-16)=17

Average Waiting Time: (12+3+15+17)/4=11.75

BNSJF:



Arrival 0 1 2 3 Time: 1 1 7 7 7 TI TZ T3 T4

Waiting Time: T1: 0-0=0

Tz: 8-1=7

T3: 17-2=15

74: 1z-3=9

Average Waiting Time: (0+7+15+9)=7.75

@ PSJF:

Refer to Slide #26 of Lecture Notes for Chapter 5.