

Lab5

andrew.dibella1

October 2020

1 CPU Scheduling

THROUGH PUT: 5/19 FOR ALL CASES

Process	Burst	Priority
A	10	3
B	1	1
C	2	3
D	1	4
E	5	2

2 FCFS

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
A	A	A	A	A	A	A	A	A	A	B	C	C	D	E	E	E	E	E

Average Wait Time: $10 + 11 + 13 + 14 = 48/5$

Average Turn Around Time: $9 + 10 + 12 + 13 + 18 = 62/5 = 10$

3 NP SJF

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
B	D	C	C	E	E	E	E	E	A	A	A	A	A	A	A	A	A	A

Average Wait Time: $1 + 2 + 4 + 8 = 15/5$

Average Turn Around Time: $1 + 2 + 4 + 8 + 18 = 33/5$

4 NP PRIORITY

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
B	E	E	E	E	E	A	A	A	A	A	A	A	A	A	A	C	C	D

Average Wait Time: $1 + 5 + 16 + 17 = 39/5$

Average Turn Around Time: $1 + 5 + 15 + 17 + 18 = 55/5$

5 ROUND ROBIN Q=1

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
A	B	C	D	E	A	C	E	A	E	A	E	A	E	A	A	A	A	A

QUANTUM = 1 Average Wait Time: $9 + 1 + 5 + 3 + 9 = 27/5$

Average Turn Around Time: $2 + 6 + 18 + 13 + 3 = 42/5$