

Task 3

First Come First Serve

T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	
0	1	3	7	13	21	29	35	39	41	42

Process	Arrival Time	Burst Time	Finish Time	Turnaround Time (Finish time - Arrival time)	Waiting Time (Turnaround time – burst time)
T1	0	1	1	1	0
T2	0	2	3	3	1
T3	0	4	7	7	3
T4	0	6	13	13	7
T5	0	8	21	21	13
T6	11	8	29	18	10
T7	11	6	35	24	18
T8	11	4	39	28	24
T9	11	2	41	30	28
T10	11	1	42	31	30

Average Waiting time: $134/10=13.4$

Shortest Waiting time: T1 = 0

Round Robin

T1	T2	T3	T4	T5	T3	T4	T6	T7	T8	T9	T10	T5	T6	T7	T8	T5	T6
0	1	3	6	9	12	13	16	19	22	25	27	28	31	34	37	38	40 42

Process	Arrival Time	Burst Time	Finish Time	Turnaround Time (Finish time – Arrival time)	Waiting Time (Turnaround time – burst time)
T1	0	1	1	1	0
T2	0	2	3	3	1
T3	0	4	13	13	9
T4	0	6	16	16	10
T5	0	8	40	40	32
T6	11	8	42	31	23
T7	11	6	37	26	20
T8	11	4	38	27	23
T9	11	2	27	16	14
T10	11	1	28	17	16

Average waiting time $148/10=14.8$

Shortest Waiting time: T1 = 0