

Problem 1 =====

	Arrival Time	Wait Time	CPU Burst	End Time
P1	t	0	6	6
P2	t+1	5	2	8
P3	t+6	2	3	11
P4	t+9	2	7	18
P5	t+10	8	1	19
P6	t+13	6	5	24
Totals		23		86

Throughput: 6/24 Time Units
Average Wait Time: 23/6 Time Units
Turn Around Time: 86/6 Time Units
Process Execution Order: P1, P2, P3, P4, P5, P6

Problem 2 =====

	Arrival Time	Priority	Wait Time	CPU Burst	End Time
P1	t	2	0	5	5
P2	t+2	3	15	3	20
P3	t+4	4	1	9	14
P4	t+6	1	21	1	28
P5	t+8	2	12	7	27
P6	t+10	5	4	3	17
Totals					

Throughput: 6/28 Time Units
Average Wait Time: 53/6 Time Units
Turn Around Time: 111/6 Time Units
Process Execution Order: P1, P3, P6, P2, P4, P5

Problem 3 =====

Process	P1	P2	P3	P4	P5	P6
Arrival Time	t	t+2	t+4	t+6	t+8	t+10
Priority	2	3	4	1	2	5
Burst Time	5	3	9	1	7	3

Process Order	P1	P2	P3	P6	P3	P2	P1	P5	P4		Totals
Wait Time	0	0	0	0	3	12	15	12	21		63
Work Time	2	2	6	3	3	1	3	7	1		30
Time Left	3	1	3	0	0	0	0	0	0		
End Time				13	16	17	20	27	28		121

Throughput: 6/28 Time Units
Average Wait Time: 63/6 Time Units
Turn Around Time: 121/6 Time Units
Process Execution Order: P1, P2, P3, P6, P3, P2, P1, P5, P4

Problem 4

	Arrival Time	Wait Time	CPU Burst	End Time
P1	t	0	5	5
P2	t+2	4	3	9
P3	t+4	1	1	6
P4	t+6	3	7	16
P5	t+8	13	9	30
P6	t+10	6	5	21
Totals		27		87

Throughput: 6/30 Time Units
Average Wait Time: 27/6 Time Units
Turn Around Time: 87/6 Time Units
Process Execution Order: P1, P3, P2, P4, P6, P5

Problem 5

Process	P1	P2	P3	P4	P5	P6
Arrival Time	t	t+2	t+4	t+6	t+8	t+10
Burst Time	5	3	1	7	9	5

Process Order	P1	P3	P2	P4	P6	P4	P5		Totals
Wait Time	0	1	4	3	0	5	13		26
Work Time	5	1	3	1	5	6	9		30
Time Left	0	0	0	6	0	0	0		
End Time	5	6	9		15	21	30		86

Throughput: 6/30 Time Units
Average Wait Time: 26/6 Time Units
Turn Around Time: 86/6 Time Units
Process Execution Order: P1, P3, P2, P4, P6, P4, P5

Problem 6

Process	P1	P2	P3	P4	P5	P6
Arrival Time	t	t+3	t+6	t+8	t+12	t+15
Burst Time	8	1	3	5	6	3

Quantum: 2

Process Order	P1	P1	P2	P1	P3	P1	P4	P3	P5	P4	P6	P5	P4	P6	P5		Totals
Wait Time	0	0	1	1	1	2	3	4	2	3	3	4	4	3	2		33
Work Time	2	2	1	2	2	2	2	1	2	2	2	2	1	1	2		26
Time Left	6	4	0	2	1	0	3	0	4	1	1	2	0	0	0		
End Time			5			11		14					23	24	26		103

Throughput: 6/26 Time Units
Average Wait Time: 33/6 Time Units
Turn Around Time: 103/6 Time Units
Process Execution Order: P1, P1, P2, P1, P3, P1, P4, P3, P5, P4, P6, P5, P4, P6, P5