Lab Five

Paul Ippolito

paul.ippolito2@marist.edu

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1 Problem One

1.1 All four scheduling charts

1.2 Turanround and wait times

1.3 Which has the minimum average waiting time across all processes?

Shortest Job Fir

Algorithm	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
FCFS	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P2	P3	P3	P4	P5	P5	P5	P5	P5
SJF	P2	P4	P3	P3	P5	P5	P5	P5	P5	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1
NP- Priority	P2	P5	P5	P5	P5	P5	P1	P1	P1	P1	P1	P1	P1	P1	P1	P1	P3	P3	P4
RR: q = 1	P1	P2	P3	P4	P5	P1	P3	P5	P1	P5	P1	P5	P1	P5	P1	P1	P1	P1	P1

Algorithm	Average Turaround Time	Average Wait Time
FCFS	$67/5 = 13.4$	$52/5 = 10.4$
SJF	$35/5 = 7$	$16/5 = 3.2$
NP Priority	$60/5 = 12$	$41/5 = 8.2$
RR: q = 1	$46/5 = 9.2$	$28/5 = 5.6$