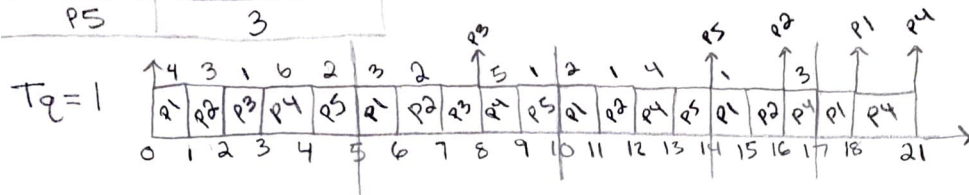
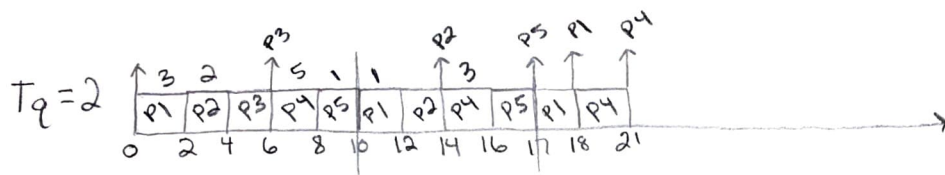


Jordan Diaz OS Homework 1

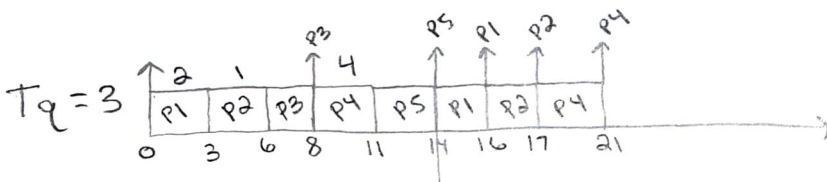
Process	CPU Burst time
P1	5
P2	4
P3	2
P4	7
P5	3



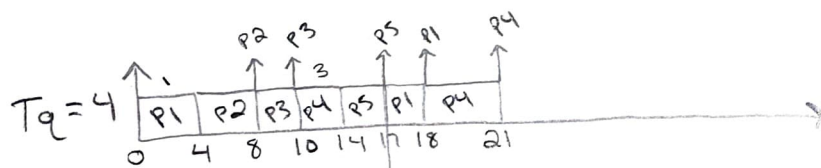
	T_w	T_{tr}
P1	$4+4+3+2=15$	18
P2	$1+4+4+3=12$	16
P3	$2+4=6$	8
P4	$3+4+3+3+1=14$	21
P5	$4+4+3=11$	14
AVG	$58/5 = 11.6$	$77/5 = 15.4$



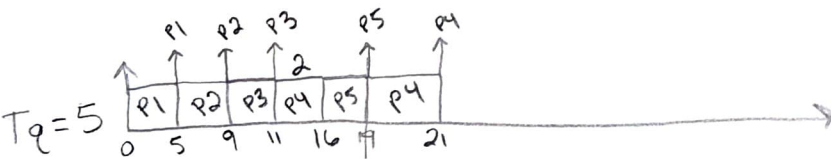
	T_w	T_{tr}
P1	$8+5=13$	18
P2	$2+8=10$	14
P3	4	6
P4	$6+6+2=14$	21
P5	$8+6=14$	17
AVG	$55/5 = 11$	$76/5 = 15.2$



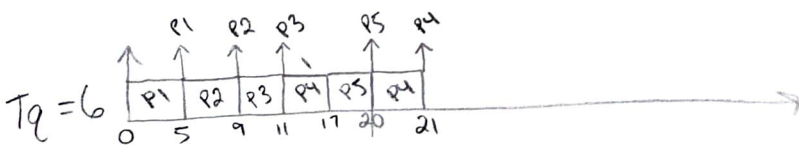
	T_w	T_{tr}
P1	11	16
P2	$3+10=13$	17
P3	6	8
P4	14	21
P5	11	14
AVG	$55/5 = 11$	$76/5 = 15.2$



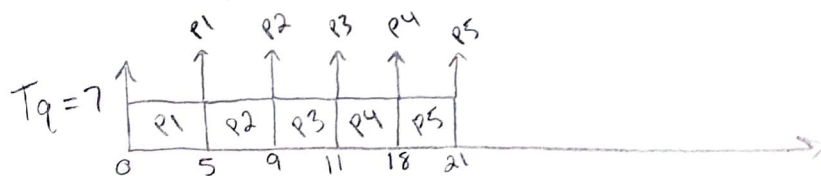
	T_w	T_{tr}
P1	13	18
P2	4	8
P3	8	10
P4	$10+4=14$	21
P5	14	17
AVG	$53/5 = 10.6$	$74/5 = 14.8$



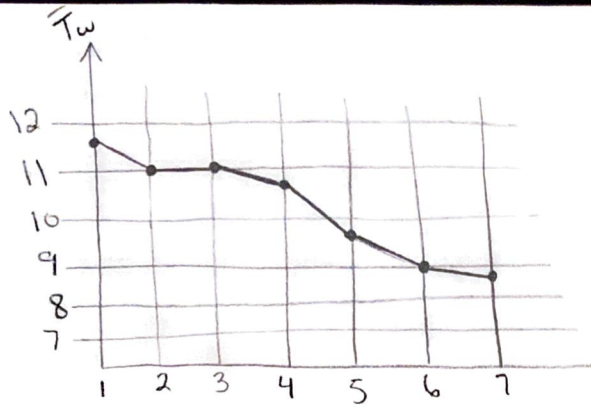
	T_w	T_{tr}
P1	0	5
P2	5	9
P3	9	11
P4	$11+7=18$	21
P5	16	19
AVG	$48/5 = 9.6$	$65/5 = 13$



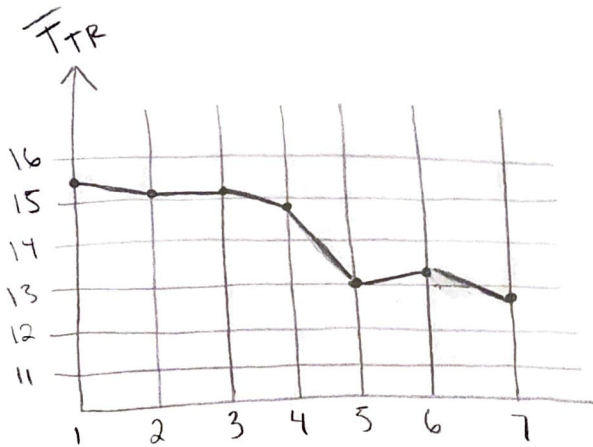
	T_w	T_{tr}
P1	0	5
P2	5	9
P3	9	11
P4	$11+3=14$	21
P5	17	20
AVG	$45/5 = 9$	$66/5 = 13.2$



	T_w	T_{tr}
P1	0	5
P2	5	9
P3	9	11
P4	11	18
P5	18	21
AVG	$43/5 = 8.6$	$64/5 = 12.8$



T_q	\bar{T}_w
1	11.6
2	11
3	11
4	10.6
5	9.6
6	9
7	8.6



T_q	\bar{T}_{TR}
1	15.4
2	15.2
3	15.2
4	14.8
5	13.2
6	13.2
7	12.8

- It seems that the closer time quantum (T_q) is to the largest CPU burst time out of all processes, the lower the average waiting time (\bar{T}_w) and average turn-around time (\bar{T}_{TR}) will be. So picking a larger T_q might be good until there is a process that has an incredibly long process time