(2)

P1	P2	P3	P4	P1	P2	P3	P4	P1	P3	P4	P1	P4	P1	
3	6	9	12	15	17	20	23	26	27	30	33	34	37	

$T_{TRND}(P1) = 22+15 = 37$

$T_{TRND}(P2) = 12+5 = 17$

$T_{TRND}(P3) = 20+7 = 27$

$T_{TRND}(P4) = 24+10 = 34$

Avg $T_{TRND} = 28.75$

$T_w(P1) = 9+6+4+1 = 22$

$T_w(P2) = 3+9 = 12$

$T_w(P3) = 6+8+6 = 20$

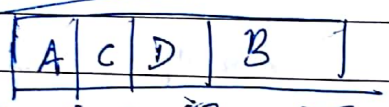
$T_w(P4) = 9+8+4+3 = 24$

Avg $T_w = 19.5$

Q3. For the following list of processes draw burnt chart for priority scheduling both preemptive & non-preemptive. A large priority number has higher priority.

Processes	Arrival	CPU burst	Priority
A	0.0000	4	3
B	1.0001	3	4
C	2.001	3	1
D	3.001	5	5

Non-preemption



$T_{TRND}(A) = 4$

$T_{TRND}(B) = 15-1 = 14$

$T_{TRND}(C) = 7-2 = 5$

$T_{TRND}(D) = 12-3 = 9$

Avg. $T_{TRND} = 8$

$T_w(A) = 0$

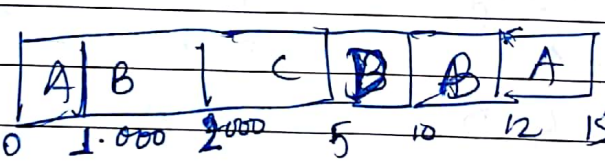
$T_w(B) = 12-1$

$T_w(C) = 4-2 = 2$

$T_w(D) = 7-3 = 5$

Avg $T_w = 4.5$

Preemptive



$T_w(A) = (0-0) + 12-1 = 11$

$T_w(B) = 1 + (10-2) - 1 = 8$

$T_w(C) = 2-2 = 0$

$T_w(D) = 5-3 = 2$

Avg $T_w = 5.25$

$T_{TRND}(A) = 15$

$T_{TRND}(B) = 12-1 = 11$

$T_{TRND}(C) = 5-2 = 3$

$T_{TRND}(D) = 10-3 = 7$

Avg. $T_{TRND} = 9$