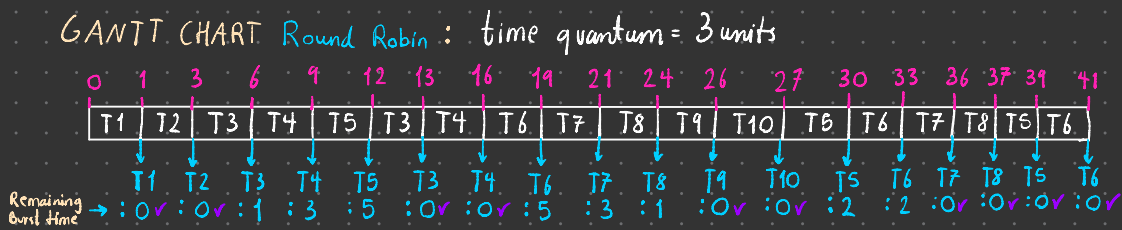




Process	Burst time	Arrival time	TA time	Comp time	Waiting time
T1	1	0	1	1	$1-1 = 0$ → shortest
T2	2	0	3	3	$3-2 = 1$
T3	4	0	13	13	$13-4 = 9$
T4	6	0	16	16	$16-6 = 10$
T5	8	0	39	39	$39-8 = 31$ → the longest waiting time, with 31 time units
T6	8	11	30	41	$30-8 = 22$
T7	6	11	25	36	$25-6 = 19$
T8	4	11	26	37	$26-4 = 22$
T9	2	11	15	26	$15-2 = 13$
T10	1	11	16	27	$16-1 = 15$

$$\text{Avg. wait. time} = \frac{(0 + 1 + 9 + 10 + 31 + 22 + 19 + 22 + 13 + 15)}{10} = \underline{\underline{14.2 \text{ time units}}}$$



T3 T4 T6 T7 T8 T9 T10 T5  
Ready Que at  $t=11$

T5 T6 T7 T8  
 $t=27$

# FIFS gantt chart og analyse:



Process	Burst time	Arrival time	TA time	Comp time	Waiting time
T1	1	0	1	1	$1-1 = 0$ shortest
T2	2	0	3	3	$3-2 = 1$
T3	4	0	7	7	$7-4 = 3$
T4	6	0	13	13	$13-6 = 7$
T5	8	0	21	21	$21-8 = 13$
T6	8	11	18	29	$18-8 = 10$
T7	6	11	24	35	$24-6 = 18$
T8	4	11	27	39	$27-4 = 23$
T9	2	11	30	41	$30-2 = 28$
T10	1	11	31	42	$31-1 = 30$ T10 has longest waiting time

Average wait. time =  $\frac{(0+1+3+7+13+10+18+23+28+30)}{10}$

10

= 13.3 time units