

## PROCESS SCHEDULER

**Algorithm:** FCFS  
**Mode:** Preemptive  
**Type:** With IOBT  
**Context Switch:** 0 seconds  
**Time Quantum:** 0 seconds

Job ID	Priority	AT	BT	IOBT	BT	CT	TAT	WT	RT	%	State
Job 1		1	2	5	2	24	23	23	0	0%	Job
Job 2		3	3	2	3	33	30	30	4	0%	Job
Job 3		2	4	1	6	30	28	28	1	0%	Job
Job 4		5	2	4	5	39	34	34	9	0%	Job
Job 5		6	1	6	4	43	37	37	10	0%	Job
Job 6		7	5	2	2	45	38	38	10	0%	Job
Job 7		3	4	1	1	34	31	31	7	0%	Job

**Avg. TAT:** 31.57143 seconds  
**Avg. WT:** 31.57143 seconds  
**Avg. RT:** 5.85714 seconds

### Gantt Chart (CPU)

Job	X	1	1	3	3	3	3	2	2	2	7	7	7	7	4	4	5	6	6	6	6	6	1	1	3	3	3	3	3	3	2
Time	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

  

2	2	7	4	4	4	4	4	5	5	5	5	6	6
32	33	34	35	36	37	38	39	40	41	42	43	44	45

### Gantt Chart (IO)

Job	X	X	X	1	1	1	1	1	3	X	2	2	X	X	7	X	4	4	4	4	5	5	5	5	5	5	6	6
Time	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28