

# Simulation of Scheduling in Real-Time Systems Model: DeadReachMonitor

Table 1: Tasks

Task number	Arrival Time	Execution Time	Deadline	Period
1	2	69	207	207
2	3	137	411	411
3	0	82	246	246
4	0	18	54	54
5	6	69	207	Aperiodic
6	0	137	411	Aperiodic
7	0	82	246	Aperiodic
8	0	18	54	Aperiodic

Table 2: Average Turnaround Times

Task	Average Turnaround Time
1	139
2	No Value
3	310
4	48.2857
5	204
6	No Value
7	392
8	36
Total Average Turnaround Time	188.214

Table 3: Simulation Results in Numbers

CPU Idle Time	0
Number of Deadlines reached	12
Number of Deadlines missed	11
Number of Completed tasks	6
Number of Tasks	8

Table 4: Simulation Results in Percentage

CPU Idle Time	0%
Deadlines missed	47.8261%
Completed tasks	75%









