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Exam 1: Question 13

P1: Period=50, Deadline=50, Processing time= 25
P2: Period=75, Deadline=75, Processing time = 30
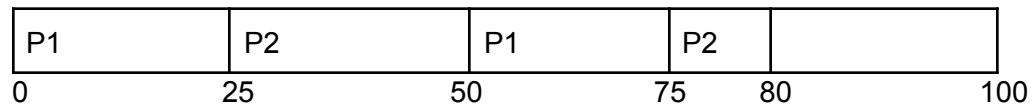
CPU utilization if both are fully scheduled:
P1: 25/50 = 0.5
P2: 30/75 = 0.4
The overall utilization is 0.9 (90%)

Rate Monotonic Scheduling:
Gantt Chart

P1	P2	P1	P2	
0	25	50	75 80	100

These two processes can be scheduled using rate-monotonic scheduling.

EDF:
Gantt Chart

P1	P1	P2	P1				
0	25						