

Roll No. 66

Operating System Tutorial - 4

Q.1. If the waiting time for a process is P and there are n processes in the memory, then the CPU utilization is ?

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waiting time of 1 process is P and n process in the memory

∴ total waiting time P^n

If total time is 1, {utilization = total - waiting}

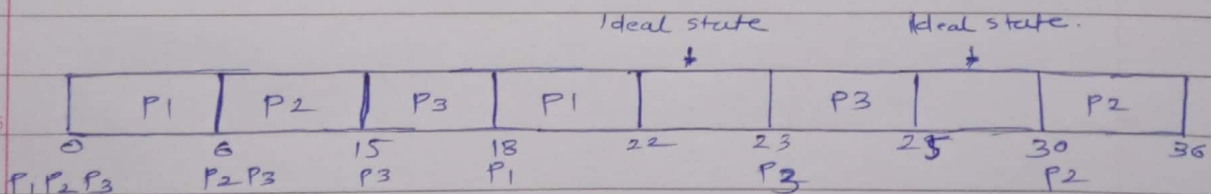
then CPU utilization time will be $1 - P^n$

Q.2 Assume following Data:

Process Ids	AT	CPU BT	I/O Burst	CPU BT
P1	0	6	10	4
P2	0	9	15	6
P3	0	3	5	2

Apply FCFS process scheduling Algorithm to schedule process on CPU.

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P1 → I/O → 16

P2 → I/O → 30

P3 → I/O → 23