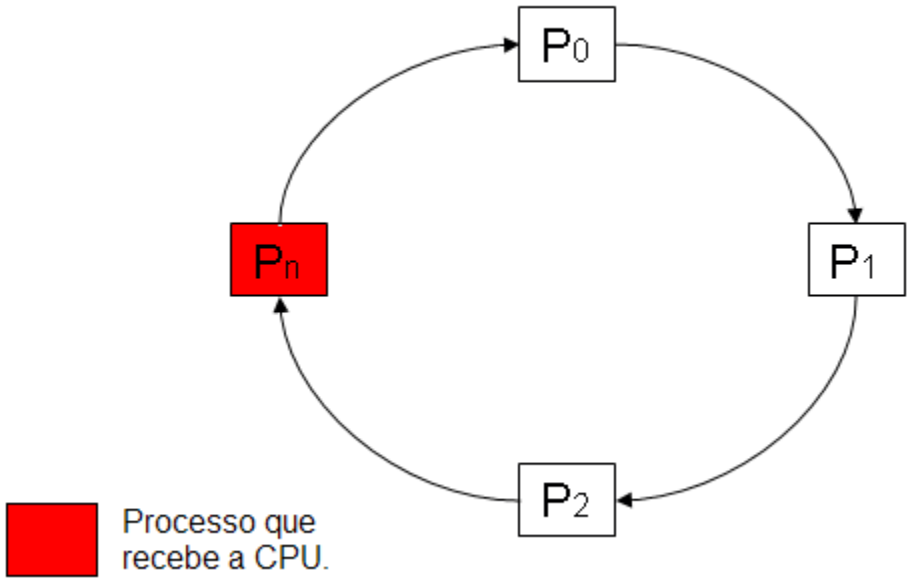
ROUND ROBIN SCHEDULING

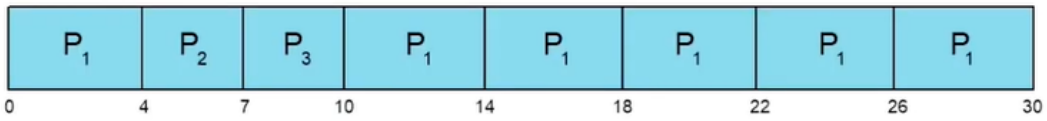


It is a CPU scheduling algorithm where **each process is assigned a fixed time slot in a cyclic way**. It is basically the **preemptive version of First come First Serve CPU Scheduling algorithm.**

- Round Robin CPU Algorithm generally **focuses on Time Sharing technique**.
- The **period of time** for which a process or **job is allowed to run** in a pre-emptive method is called time **quantum**.
- Each process or job present in the ready queue is assigned the CPU for that time quantum, if the execution of the process is completed during that time then the process will end else the process will go back to the waiting table and wait for the its next turn to complete the execution.

Process	Burst Time
P_1	24
P_2	3
P_3	3

- Time Quantum = 4



- Typically, higher average turnaround than SJF, but better ***response***
- q should be large compared to context switch time

Performance

If time quantum is large than it will act like FIFO

If time quantum is small (if it's smaller than the context switching time) than there will be too much overhead