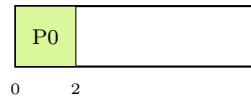


1 SJN Scheduling

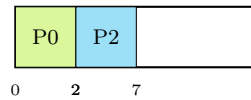
Introduction

The "Shortest-Job-Next" (SJN) algorithm is one of the scheduling algorithms in operating systems designed to manage processes in a multitasking system. In this algorithm, processes that have a shorter execution time are executed earlier than other processes. In other words, SJN tries to prioritize the shortest process to minimize the waiting time of the whole system.

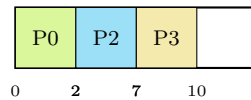
1.1 Time 0: Process P0



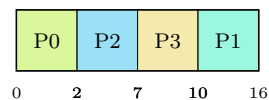
1.2 Time 2: Process P2



1.3 Time 7: Process P3



1.4 Time 10: Process P1



1.5 Final Process Table

Process	Arrival Time	Burst Time	Service Time
P0	0	2	0
P1	1	6	10
P2	2	5	2
P3	3	3	7

1.6 Execution Order

