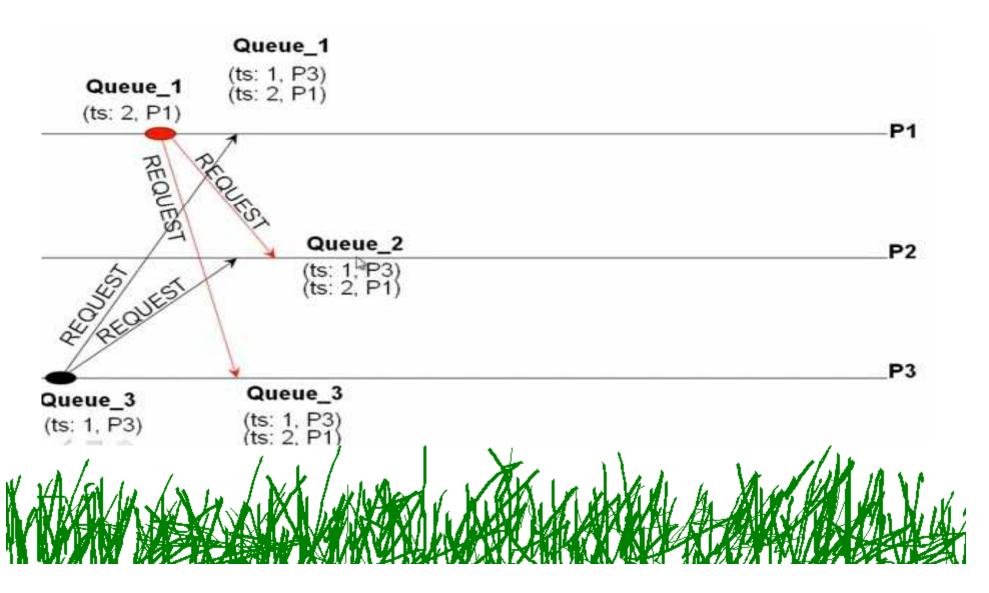
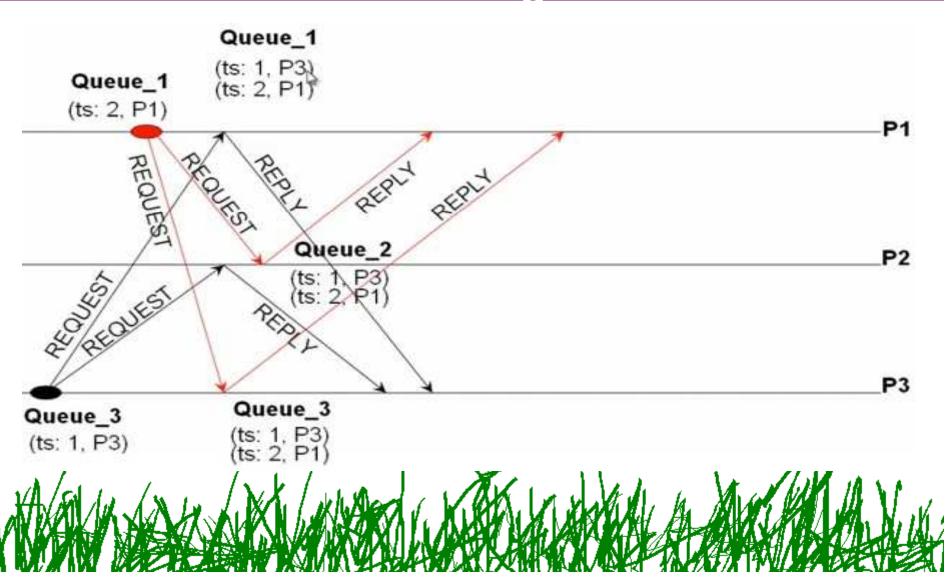
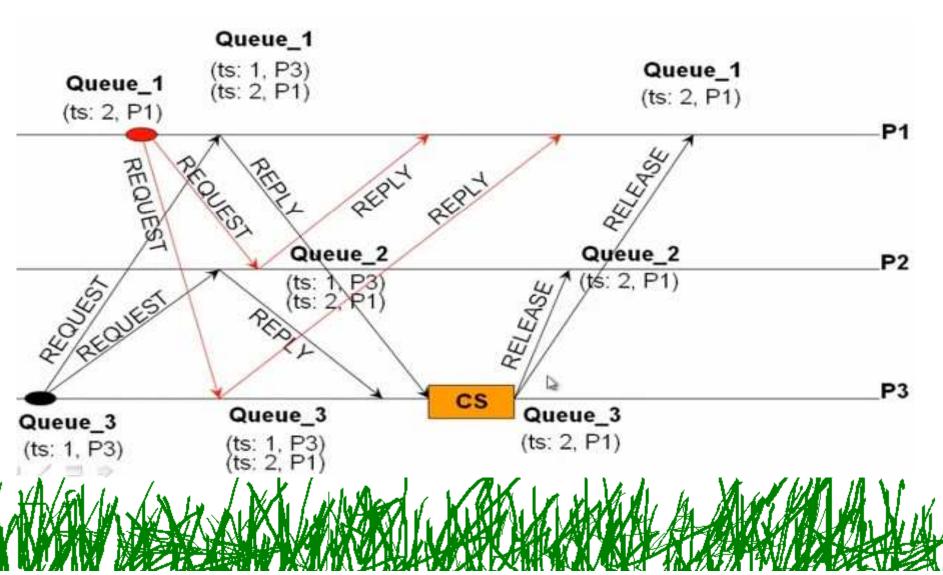
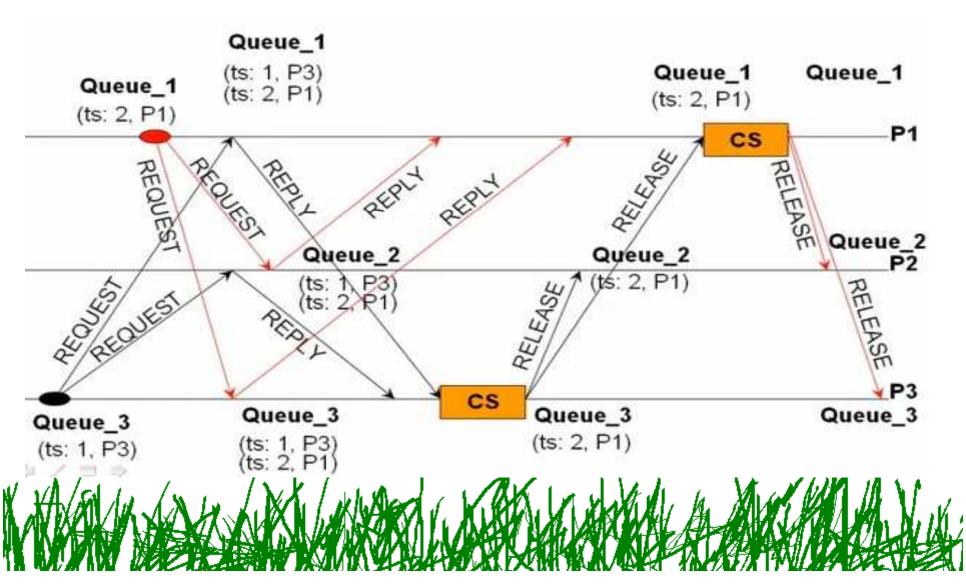
Reference: Mukesh Singhal & N.G. Shivaratri, Advanced Concepts in Operating Systems,



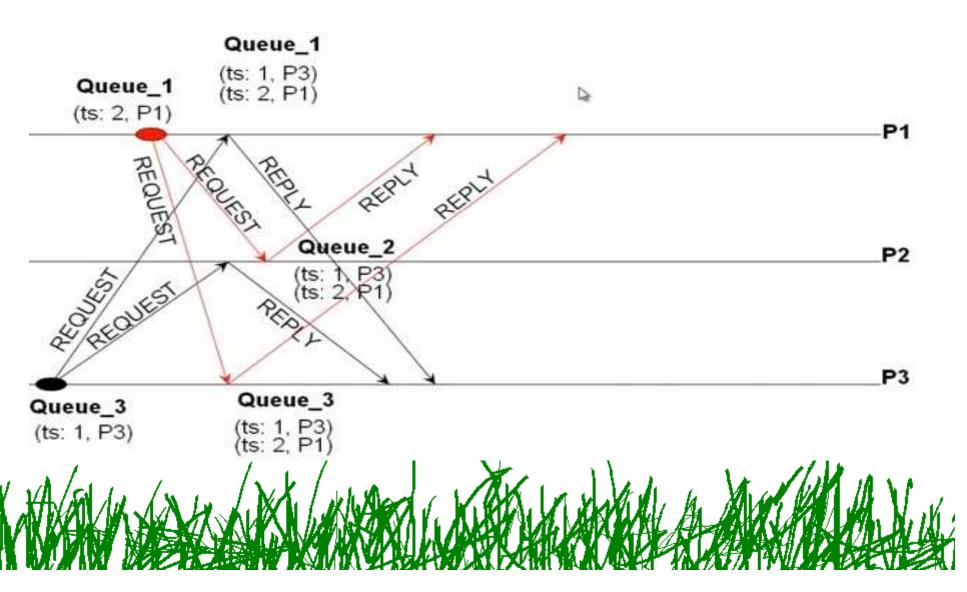








- # Messages: 3 (N-1)
 - N-1 REQUESTS; N-1 REPLY; N-1 RELEASE
- Synchronization Delay: T
- System Throughput: 1/(T+E)
- Optimization: Process Pi need not send a REPLY message to process Pj if the timestamp of the REQUEST message of Pj is higher than that of Pi. Process Pi can simply send a RELEASE message when done with its CS execution.
 - So, a process has to basically wait for a REPLY or RELEASE message from every other process and its REQUEST should be in the front of the queue to enter the CS.
 - With this, the # messages is between 2*(N-1) to 3*(N-1).



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Source

https://www.youtube.com/watch?v=r7SJOhG F4Nc



Thank You

