





















Mechanisms for Building Crit. Sections

Locks

- very primitive, minimal semantics; used to build others

- Semaphores

 basic, easy to get the hang of, hard to program with
- Monitors
 - high level, requires language support, implicit operations
 - easy to program with; Java "synchronized()" as example
- Messages

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 simple model of communication and synchronization based on (atomic) transfer of data across a channel

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direct application to distributed systems















