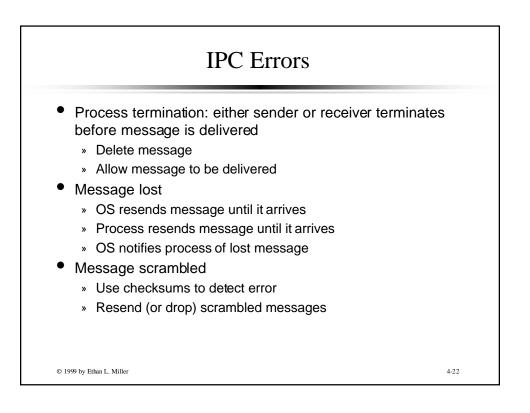


Link Capacity

- Zero capacity
 - » Sender must wait until receiver gets the message
 - » Implicit synchronization between two processes
- Bounded capacity
 - » Sender must wait if more than n messages in the link
 - » Sender can continue otherwise
- Unbounded capacity
 - » Sender never has to wait
 - » Always some limit there's not infinite capacity in the computer...

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Example: UNIX

- UNIX supports send & receive and mailboxes (ports)
- Same method for local and remote communication
 » OS handles network issues if necessary
- Finding a process:
 - » Unique port name (number) advertised publicly
 - » Process wanting to establish communication uses that port
 - » At most one process listens to a particular port
- Communicating
 - » Public port used to decide on private link (new port number)

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- » Send & receive done on the private link
- Cleaning up
 - » Port is released after communication is done
 - » Other processes may reuse the port

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