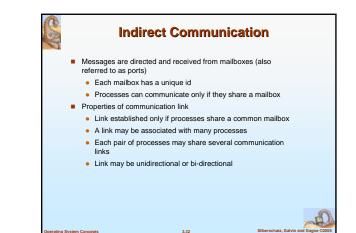
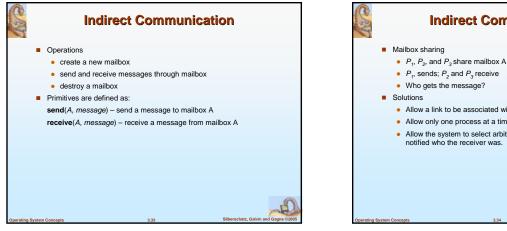


## **Direct Communication**

- Processes must name each other explicitly:
  - send (P, message) send a message to process P
  - receive(Q, message) receive a message from process Q
- Properties of communication link
  - Links are established automatically

- A link is associated with exactly one pair of communicating processes
- Between each pair there exists exactly one link
- The link may be unidirectional, but is usually bi-directional







- Allow a link to be associated with at most two processes
- Allow only one process at a time to execute a receive operation
- Allow the system to select arbitrarily the receiver. Sender is

