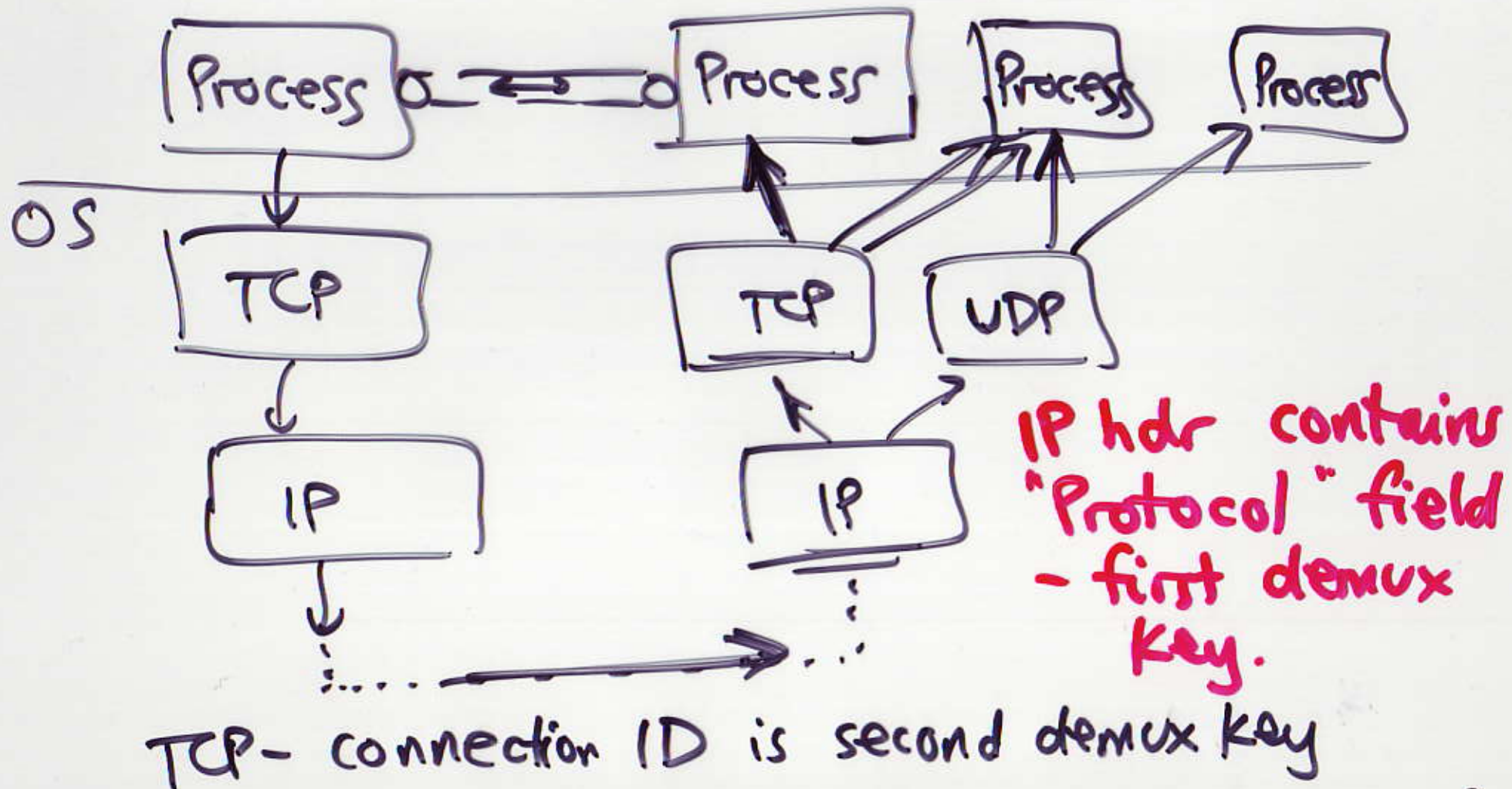


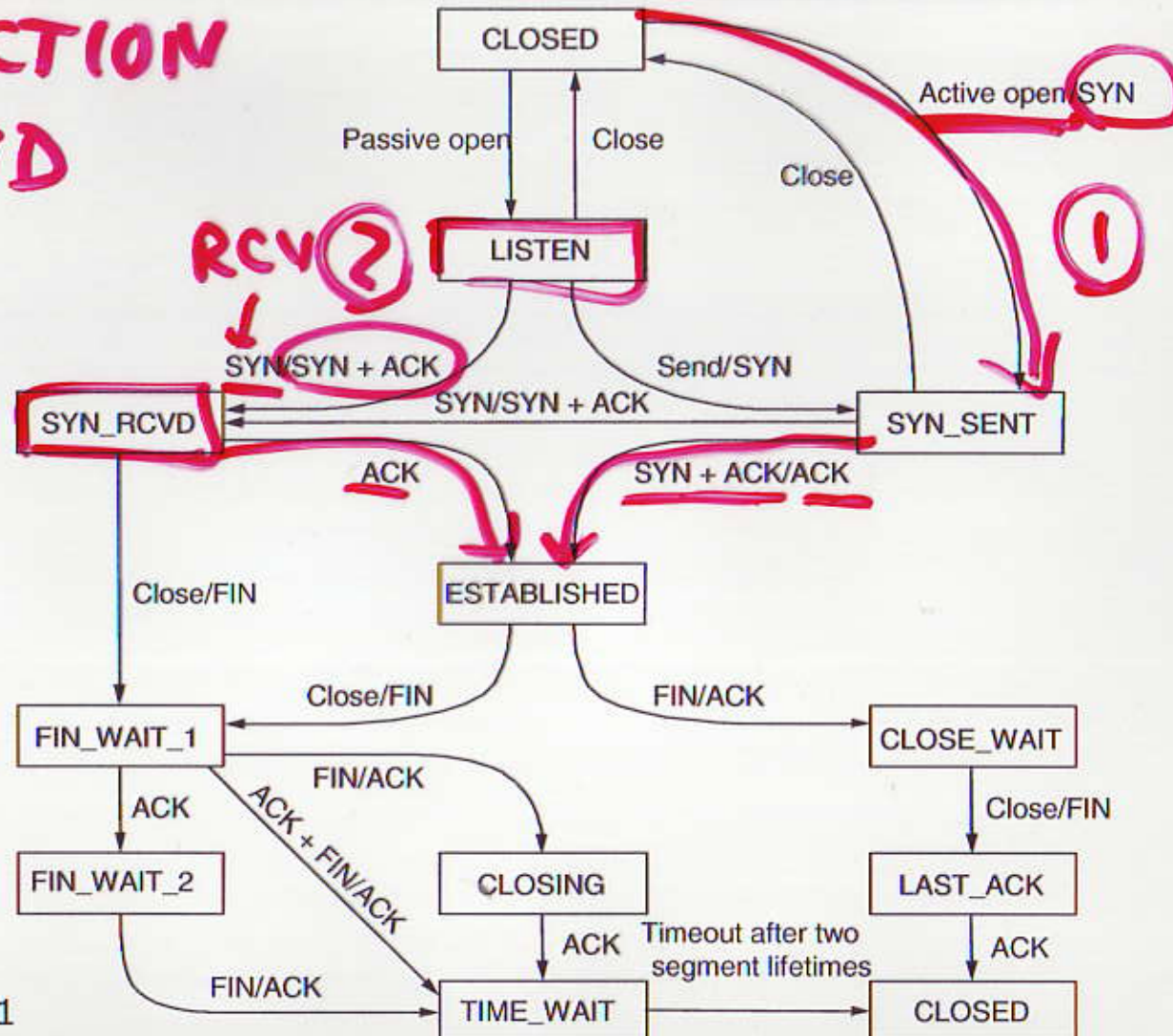
TCP Connections

demux = demultiplex

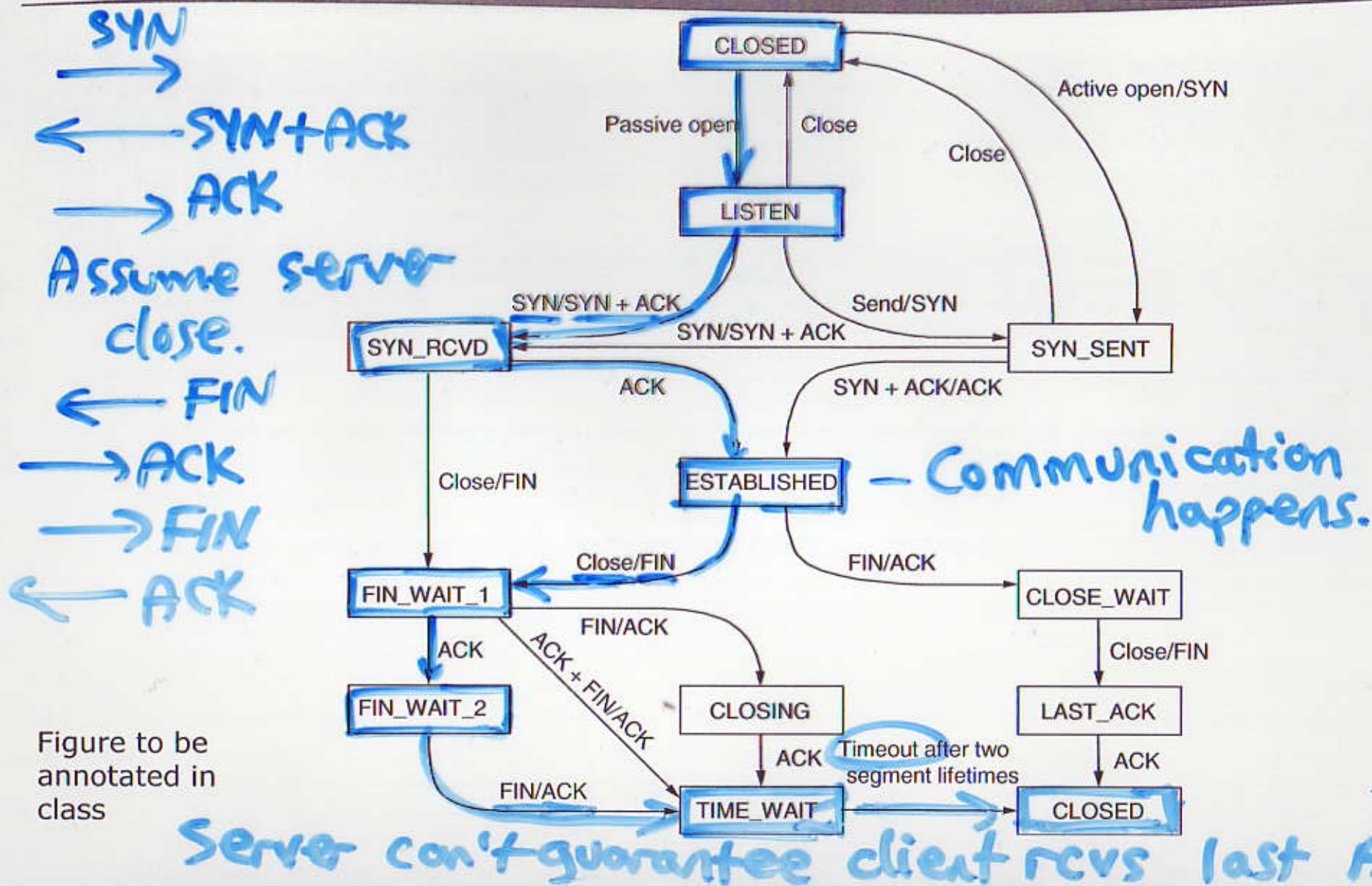


TCP State Diagram

EVENT/ACTION
RCV / SEND

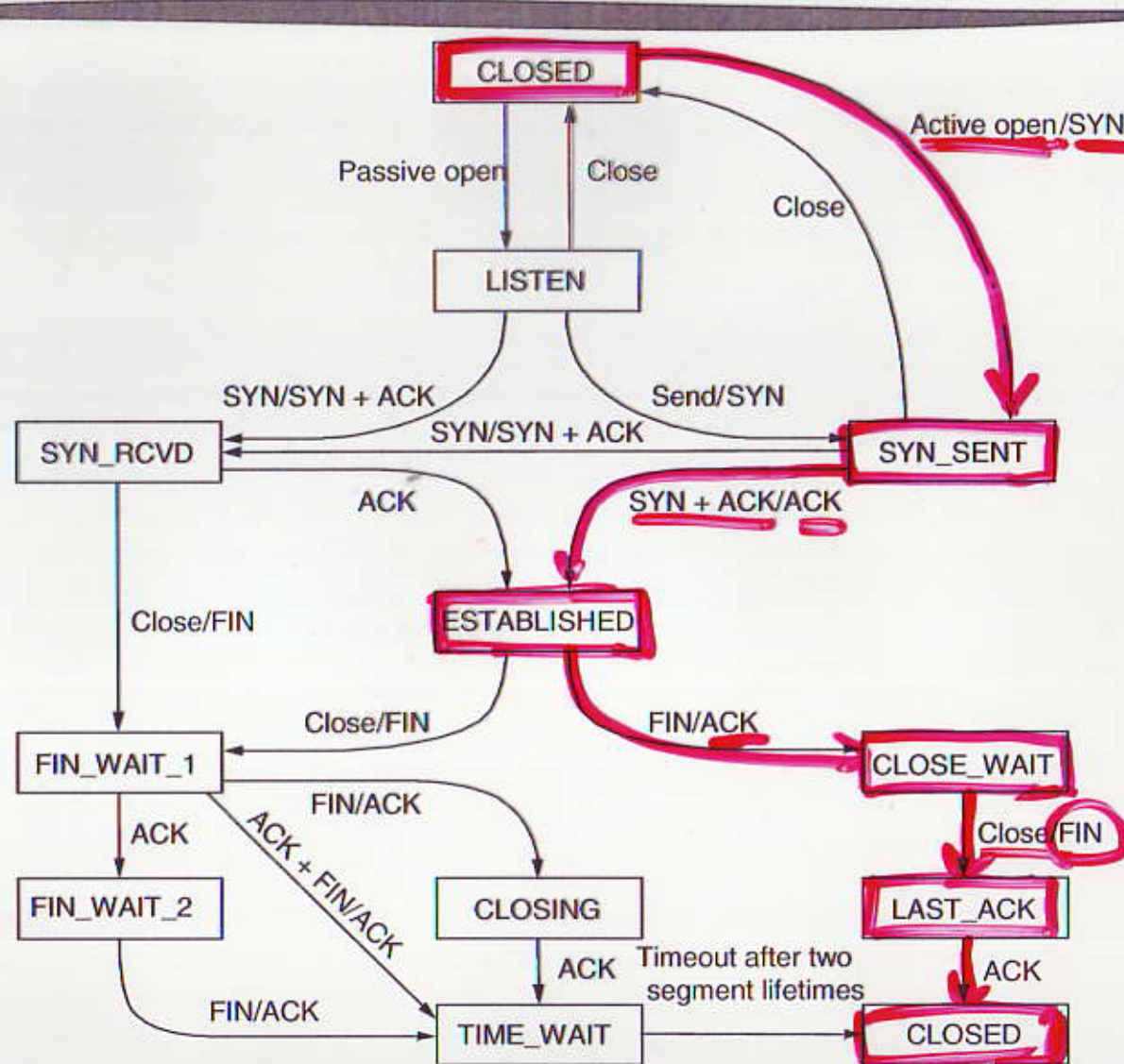


TCP State Transitions – Typical Server



Both sides must close connections

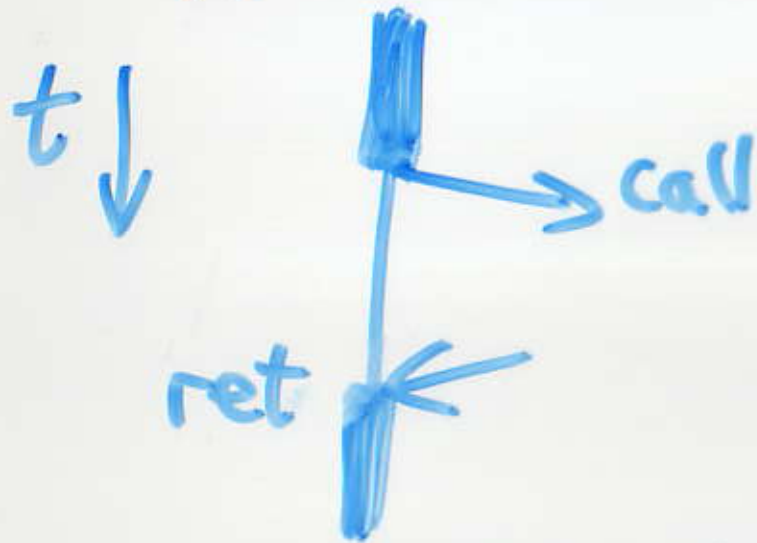
TCP State Transitions – Typical Client



SYN
 SYN + ACK
 ACK
 FIN
 ACK
 FIN
 ACK

Figure to be annotated in class

RPC Client



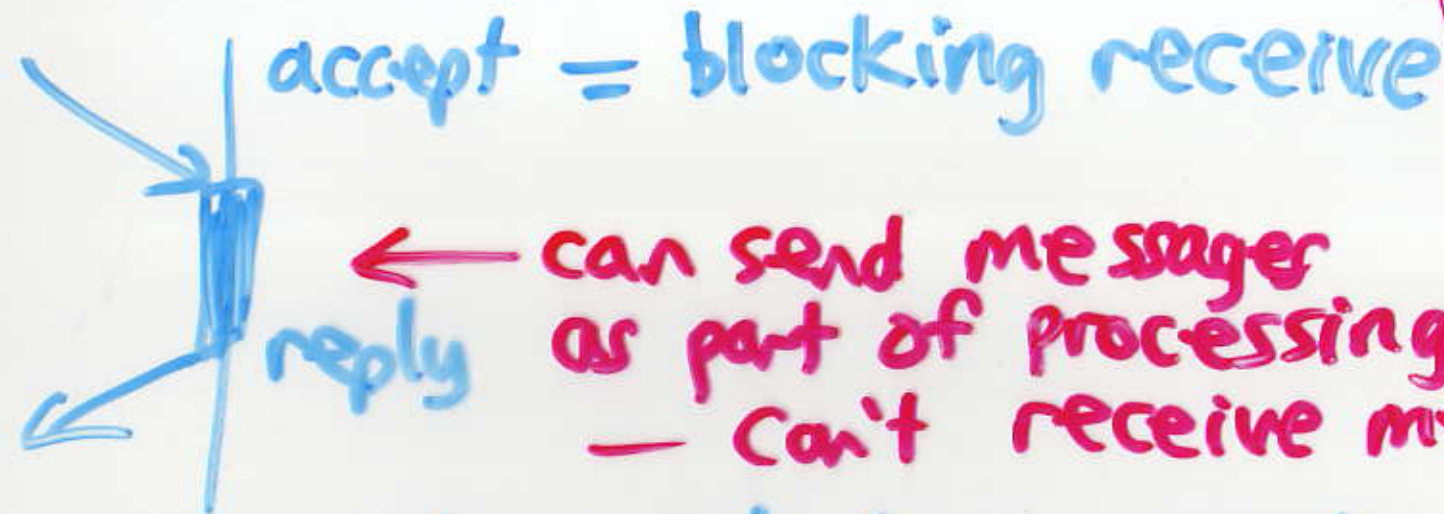
- no work to be done whilst awaiting reply
- no incoming comm'n from other than server
- reply is expected

If process
matcher there

⇒ use
rpc call

(at some
point in time)

RPC server



If matches
there =>
RPC
accept
reply

- only exists to process client requests
- all incoming messenger are service requests
- each message/request gets single reply
- no other computation to do when idle

Each process' communication primitives can be chosen independently of other processes

(n).b.send

RPC
accept

b. rcv

reply

both send + rcv. primitive

rpc_call

RPC
accept

use
these two
together

rpc_call

reply

Little diff between b. & n.b send
(except when other processing to do)

Choose n.b. rev only if other
processing to do.

