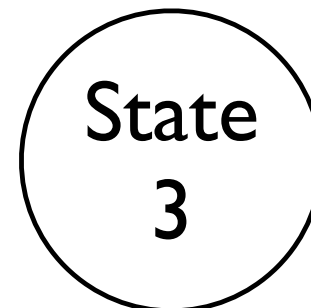
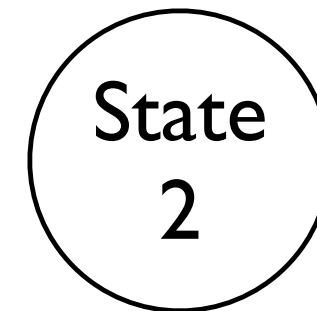
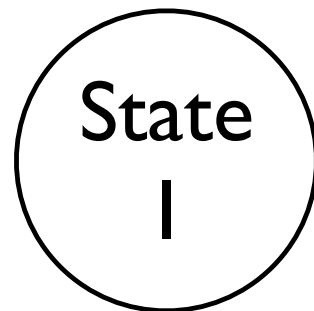


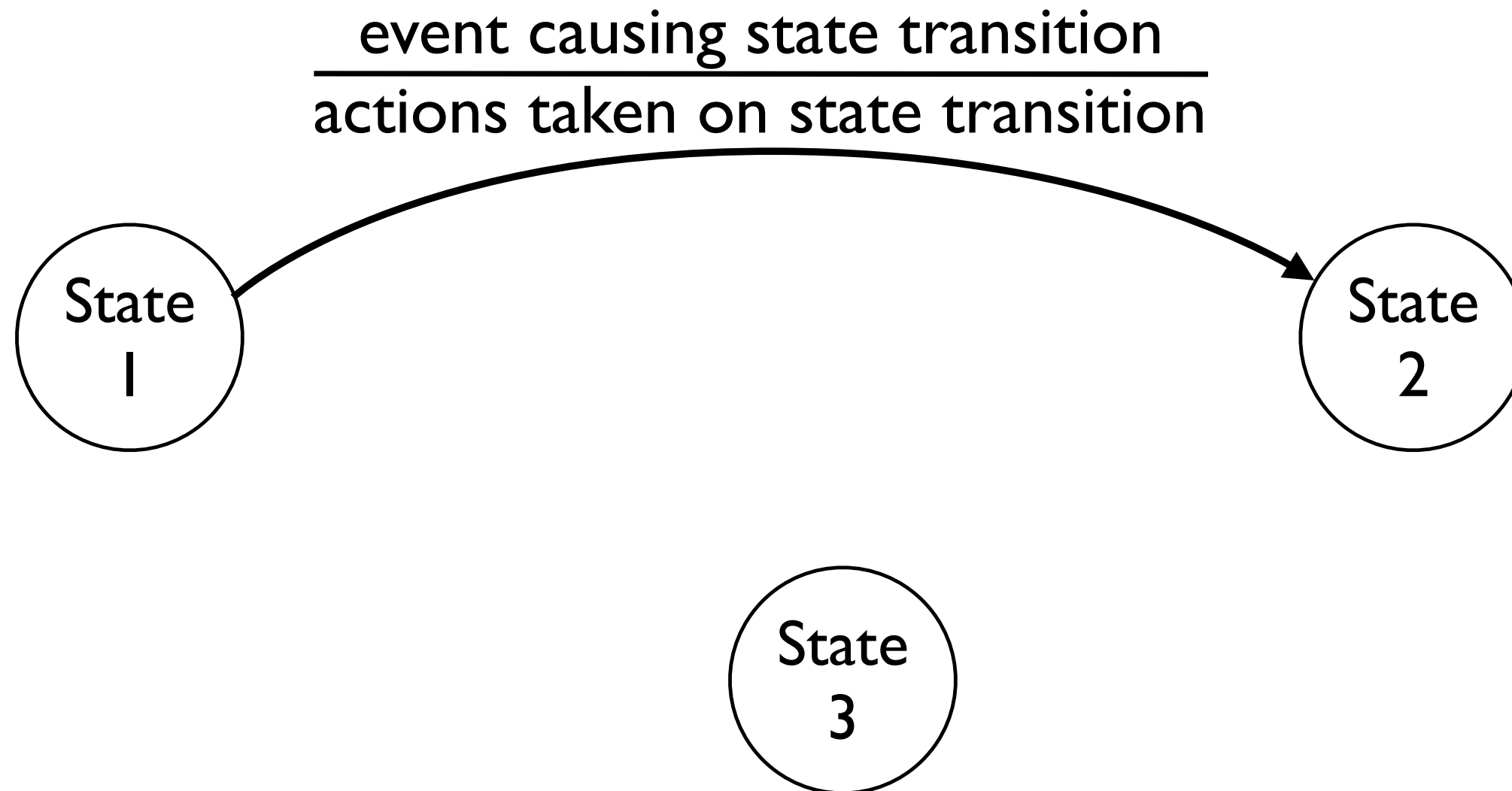
Finite State Machines

Protocol Specification

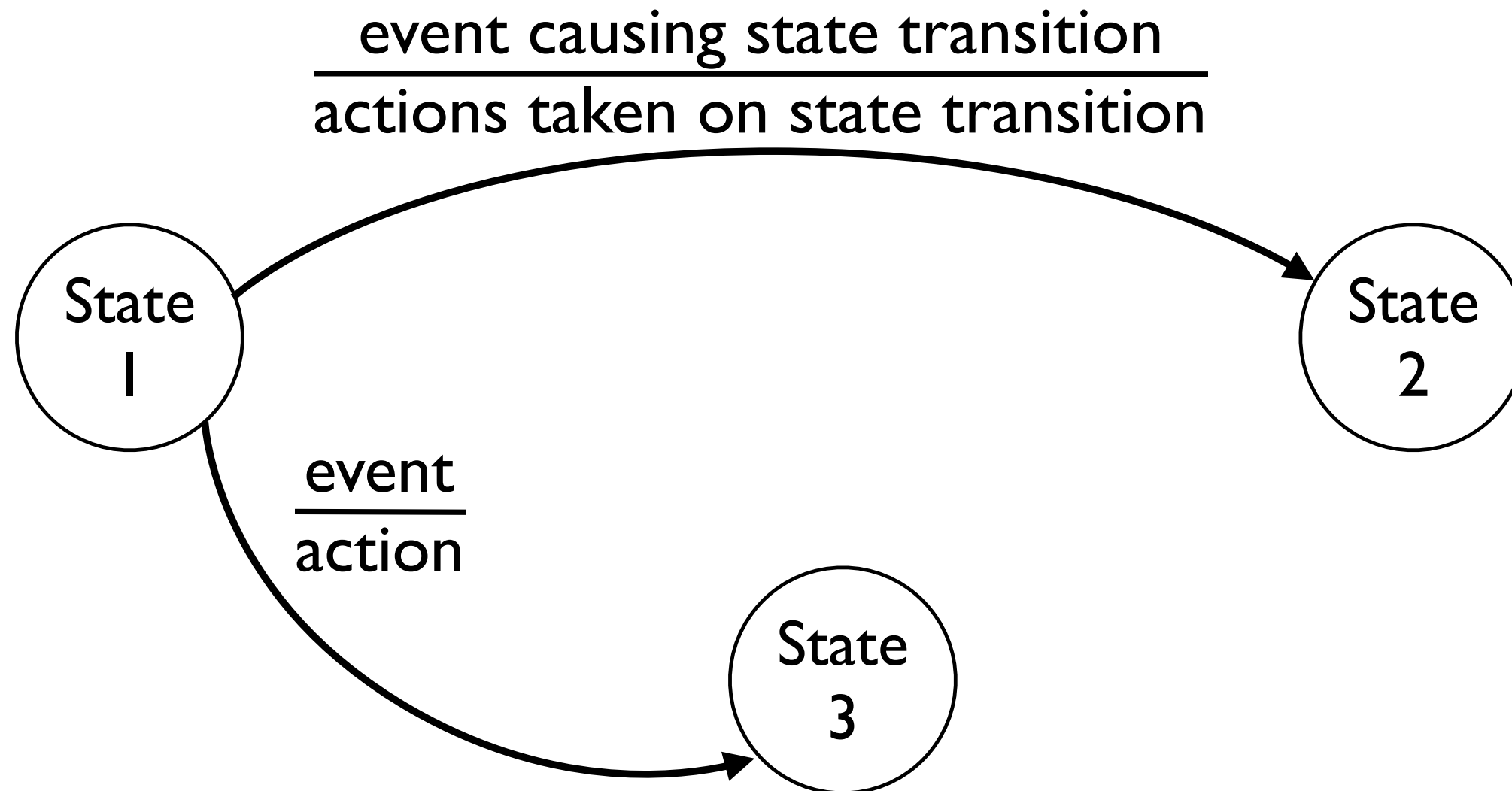
Finite State Machines



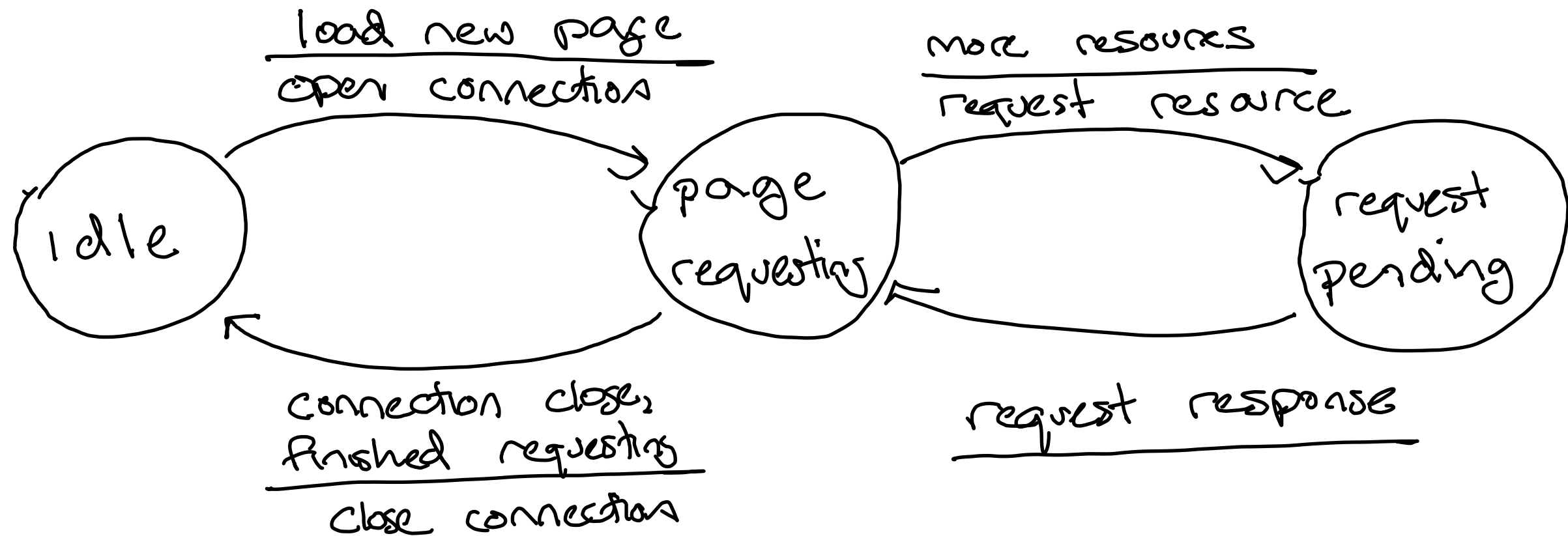
Finite State Machines



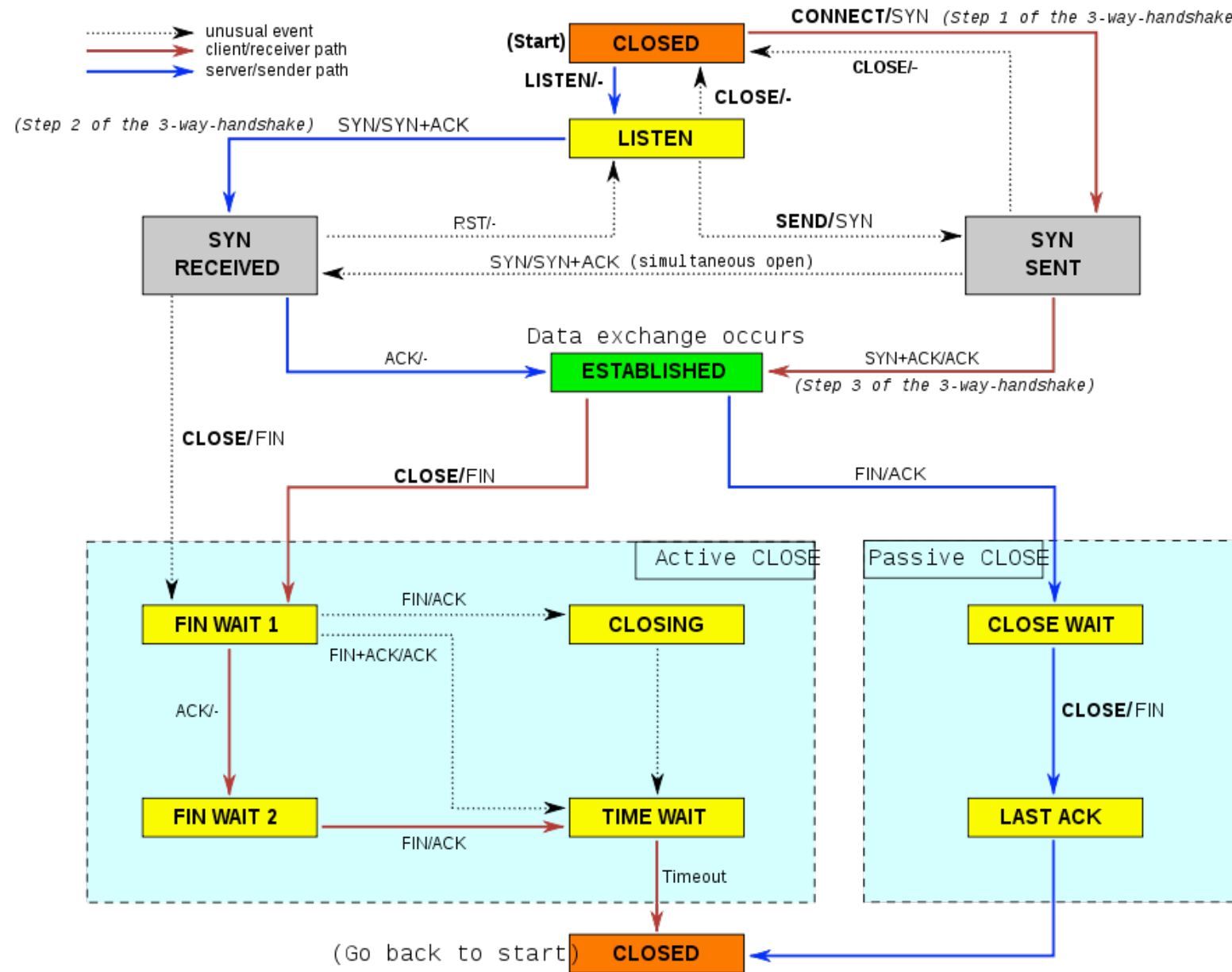
Finite State Machines



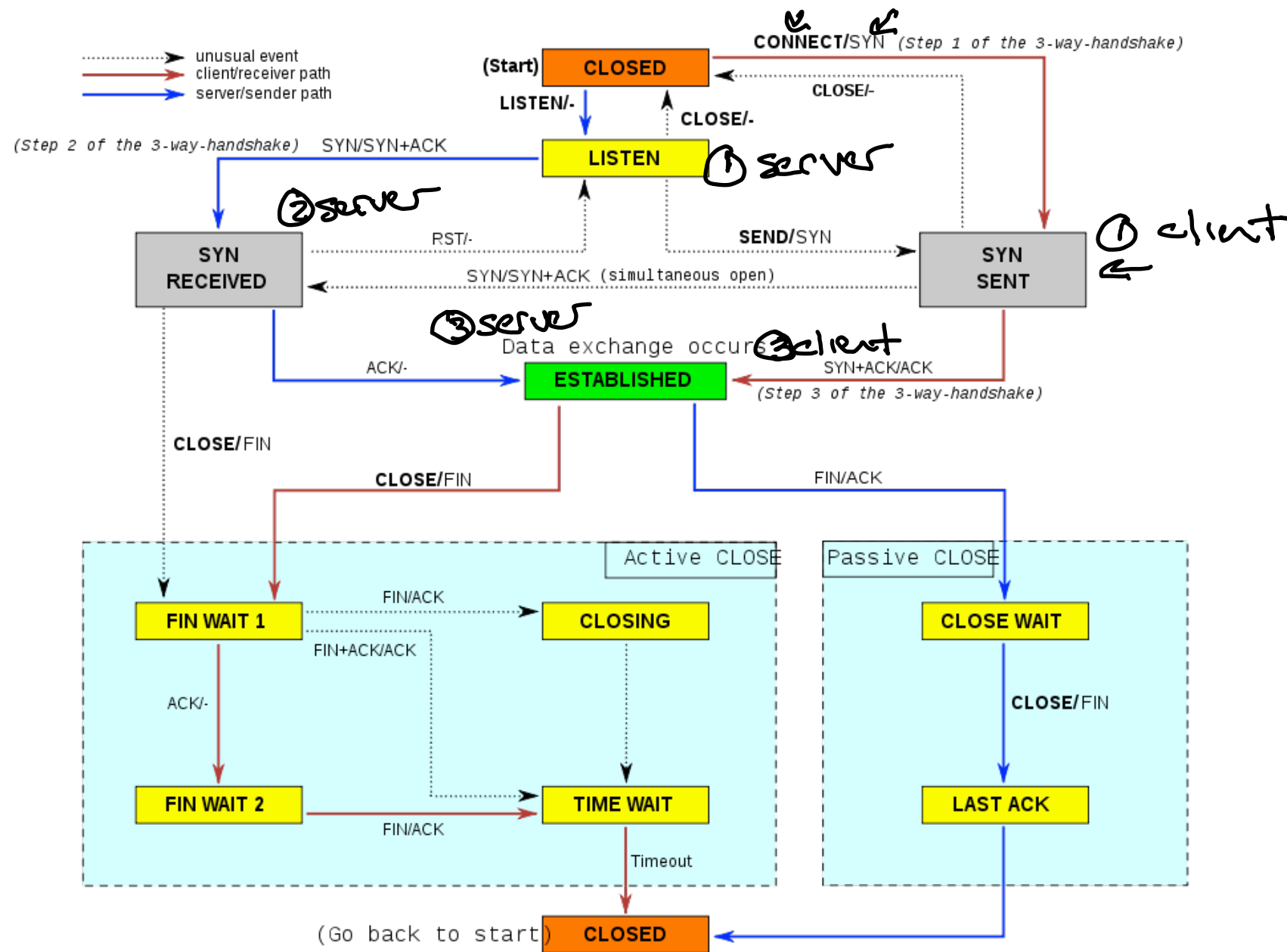
FSM Example: HTTP Request



FSM Example: TCP Connection

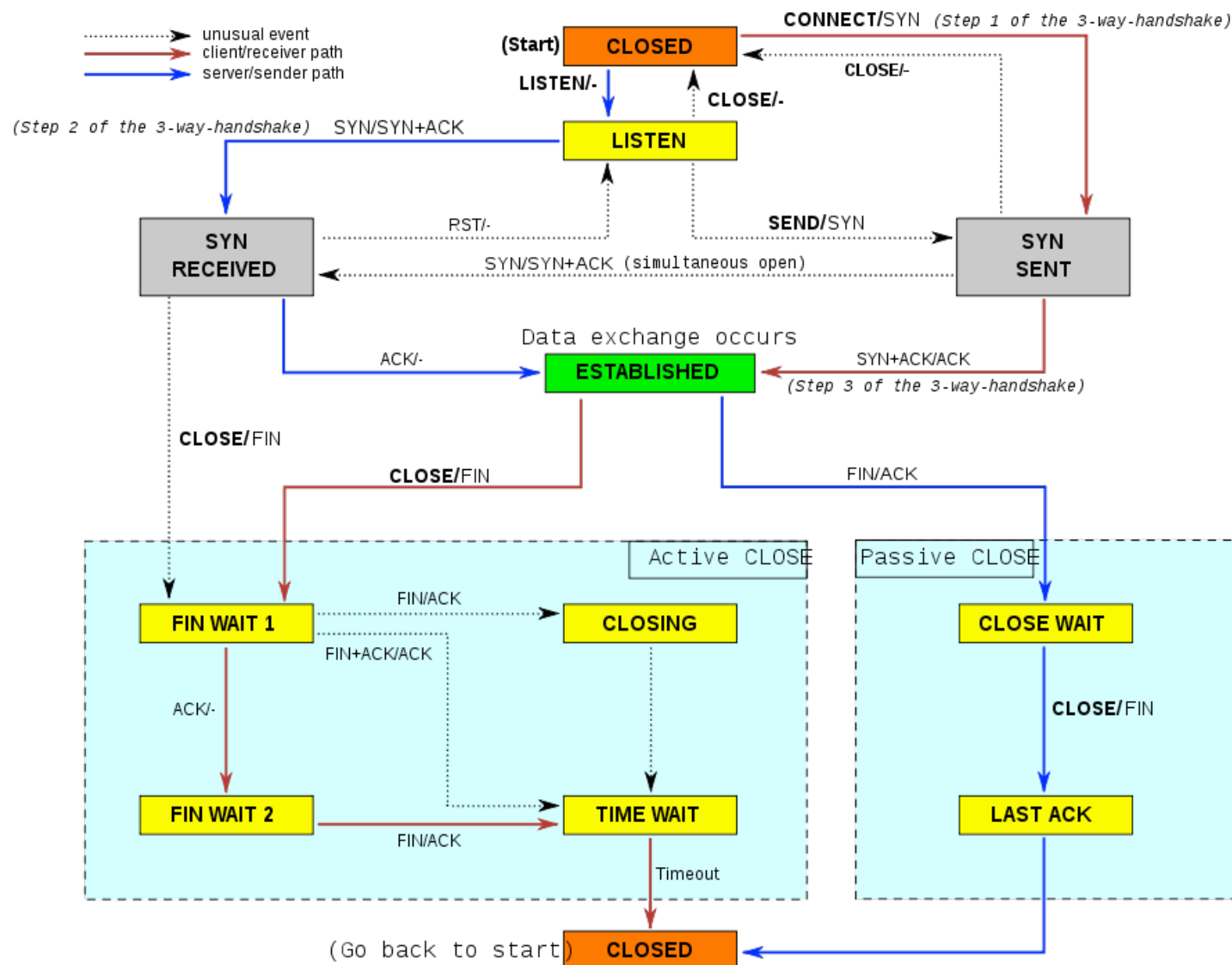


FSM Example: TCP Connection



Quiz

Assume there is no other documentation of the TCP finite state machine, so there's no supporting textual description which defines other state transitions.

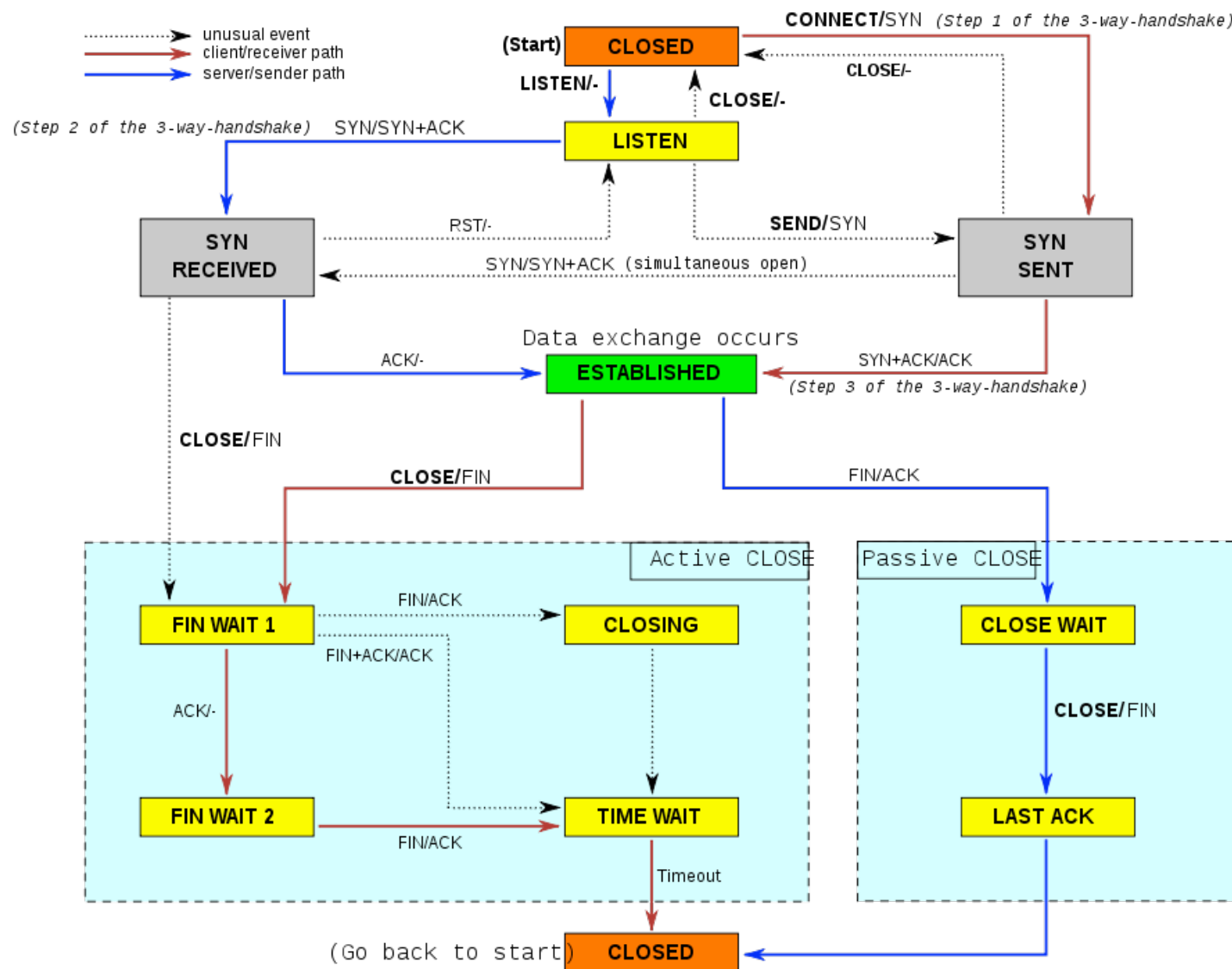


Suppose we start in the closed state, then call listen, then receive a SYN, then call close. What state will we be in: CLOSED, SYN SENT, SYN RECEIVED, ESTABLISHED, FIN WAIT 1, or undefined?

Suppose we start in the closed state, then call connect, then call close. What state will we be in: CLOSED, SYN SENT, SYN RECEIVED, ESTABLISHED, FIN WAIT 1, or undefined?

Quiz

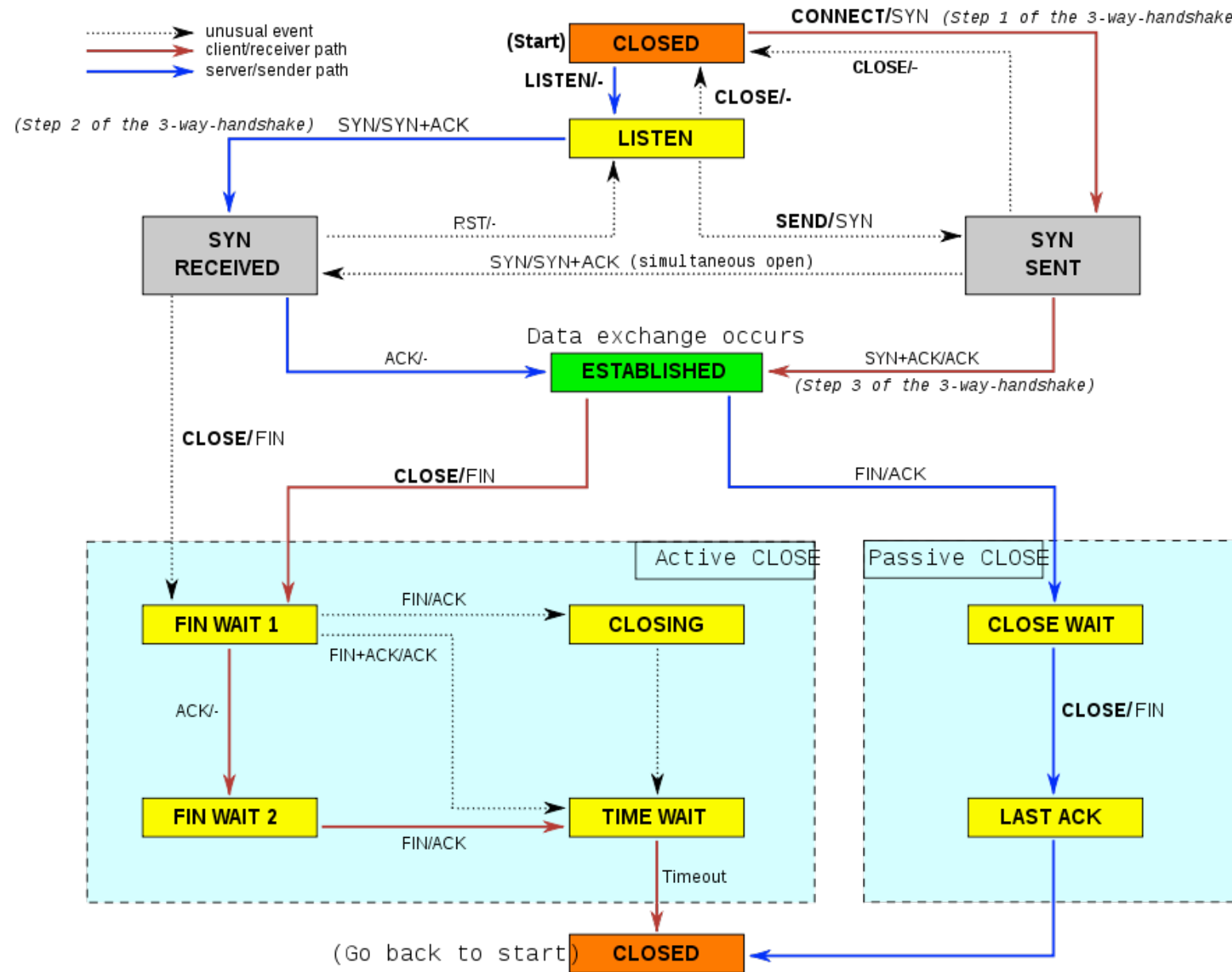
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Suppose we start in the closed state, then call connect, then call close. What state will we be in: CLOSED, SYN SENT, SYN RECEIVED, ESTABLISHED, FIN WAIT 1, or undefined?

FSM Example: TCP Connection



FSM Example: TCP Connection

