Initial

TearDown()

Send(FIN)

Received(FIN, ACK)

Send(ACK)

Received(!FIN || !ACK)

Send(FIN)

Received(FIN, ACK)

Send(FIN, ACK)

Timeout\_received

Send(FIN)

Timeout\_received

**Explanations**

SYN: Connection flag

ACK: Acknowledgment

FIN: teardown flag

TearDown(): Function called to initialize the state

next\_seq: Next expected sequence number

Timeout\_received: The time for receiving ACK has passed