Transport Layer

application

transport

network

link

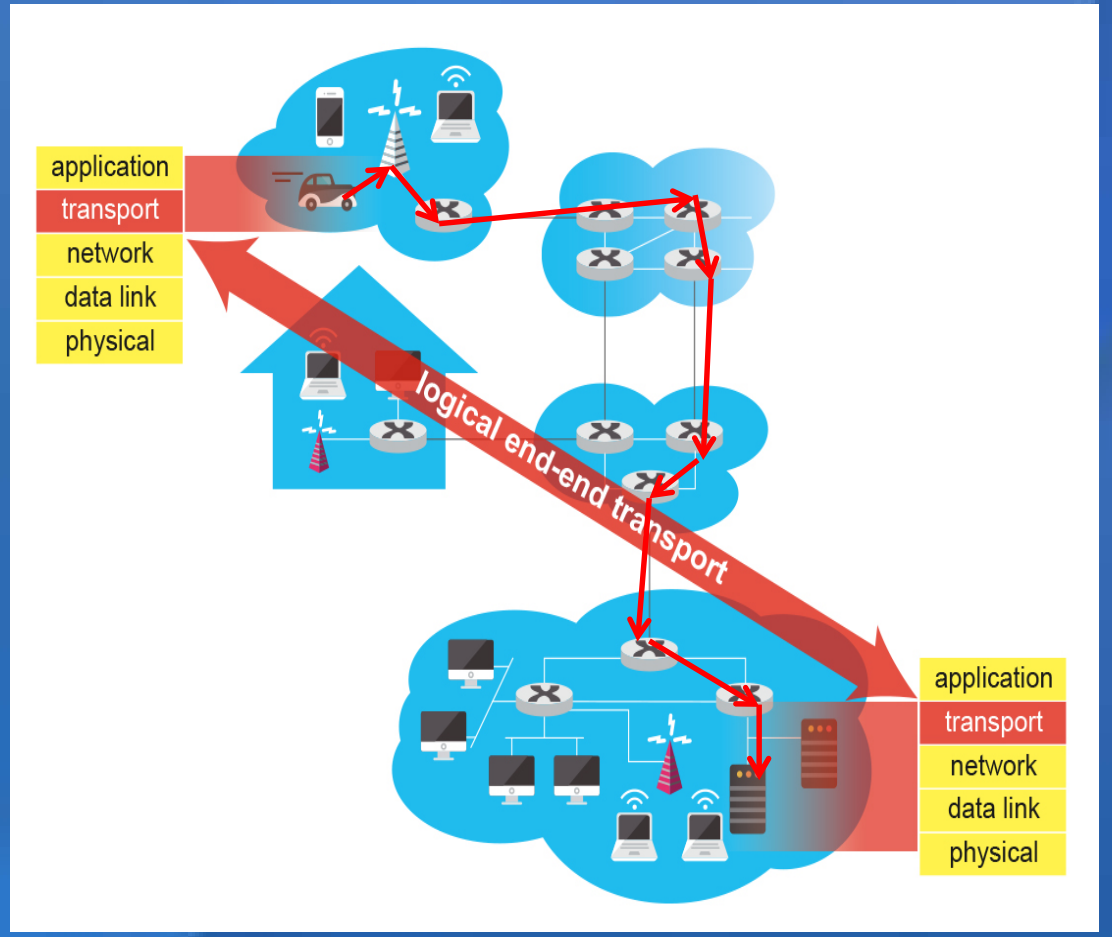
physical

Logical Communication between Processes

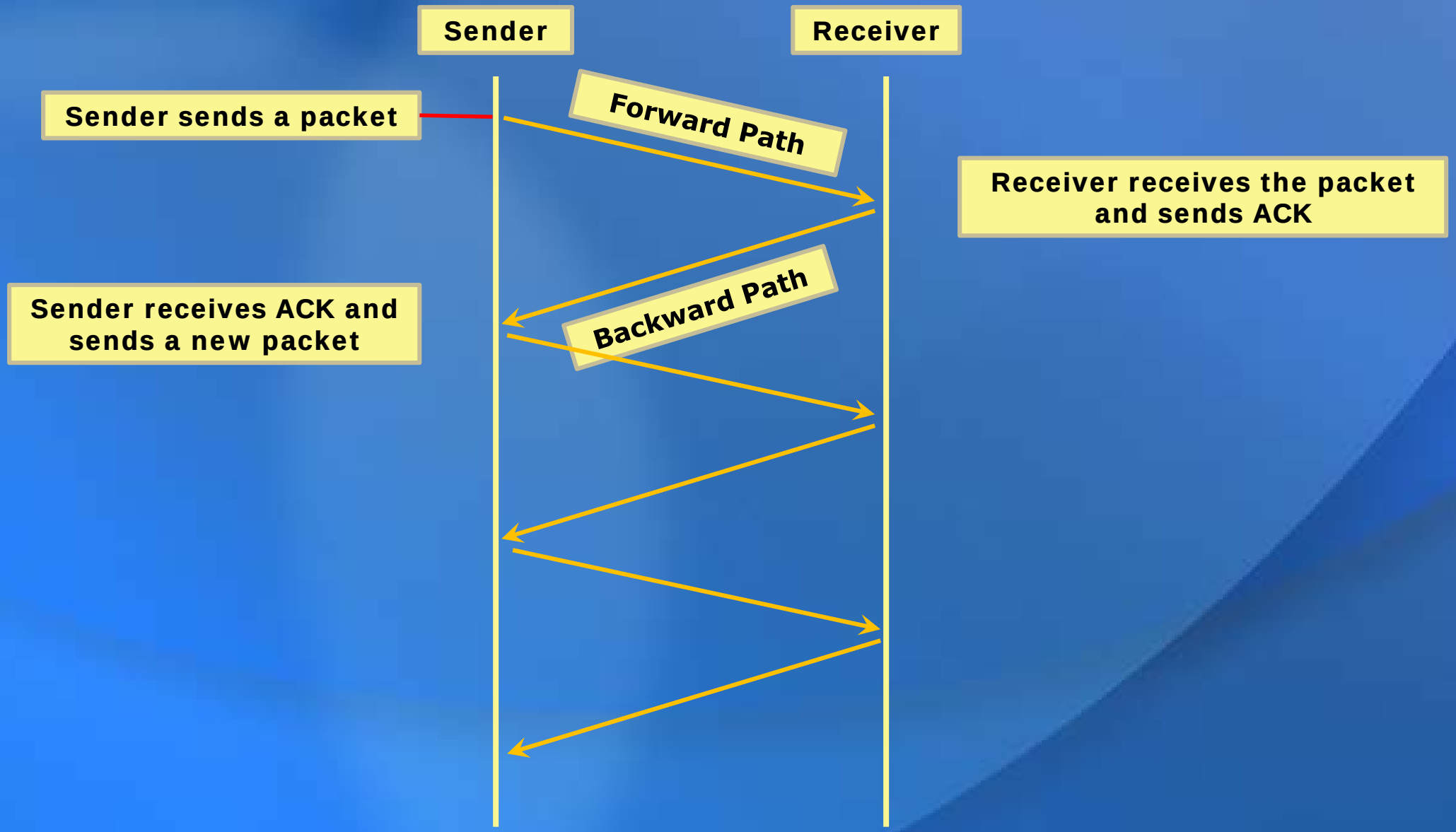
Forwarding & Routing

Data Transfer Between Neighbors

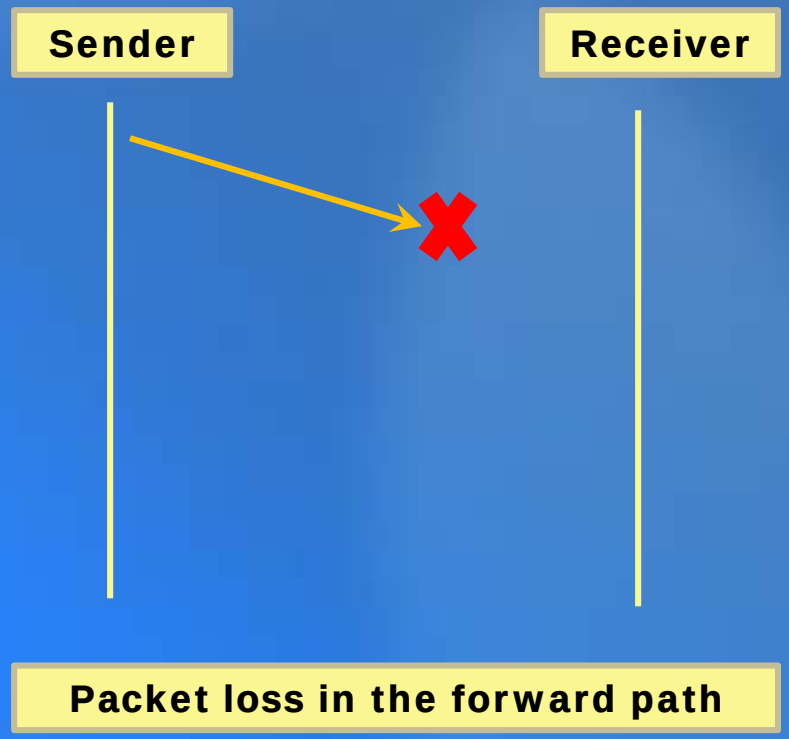
Bits “On The Wire”

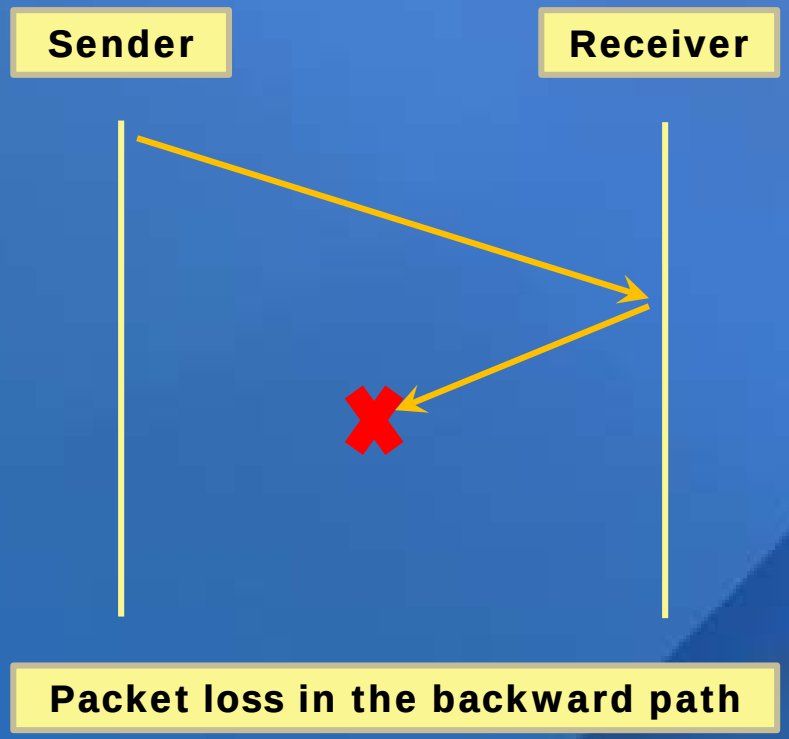


Stop-and-Wait Protocol

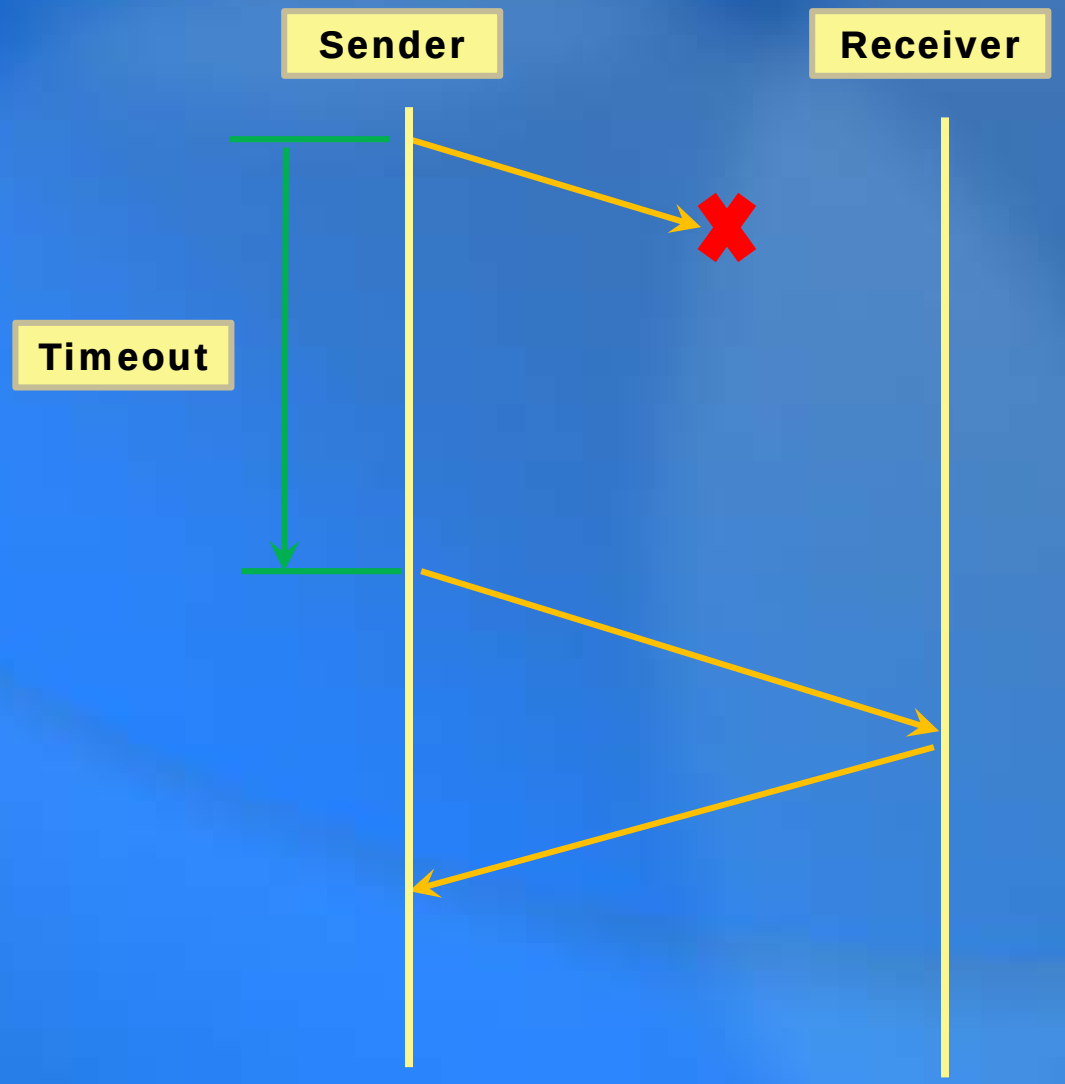


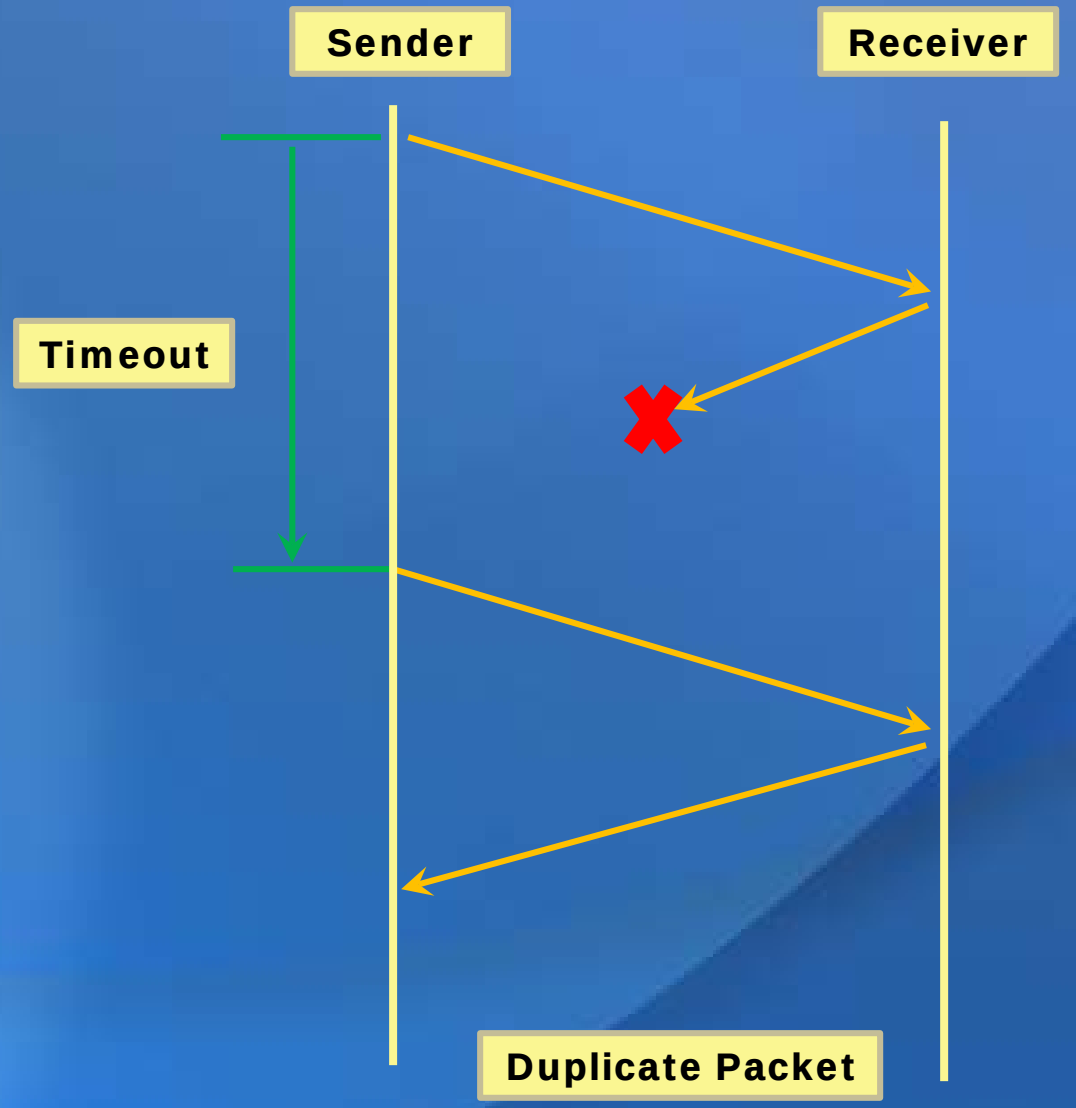
Packet Loss due to Link Reliability



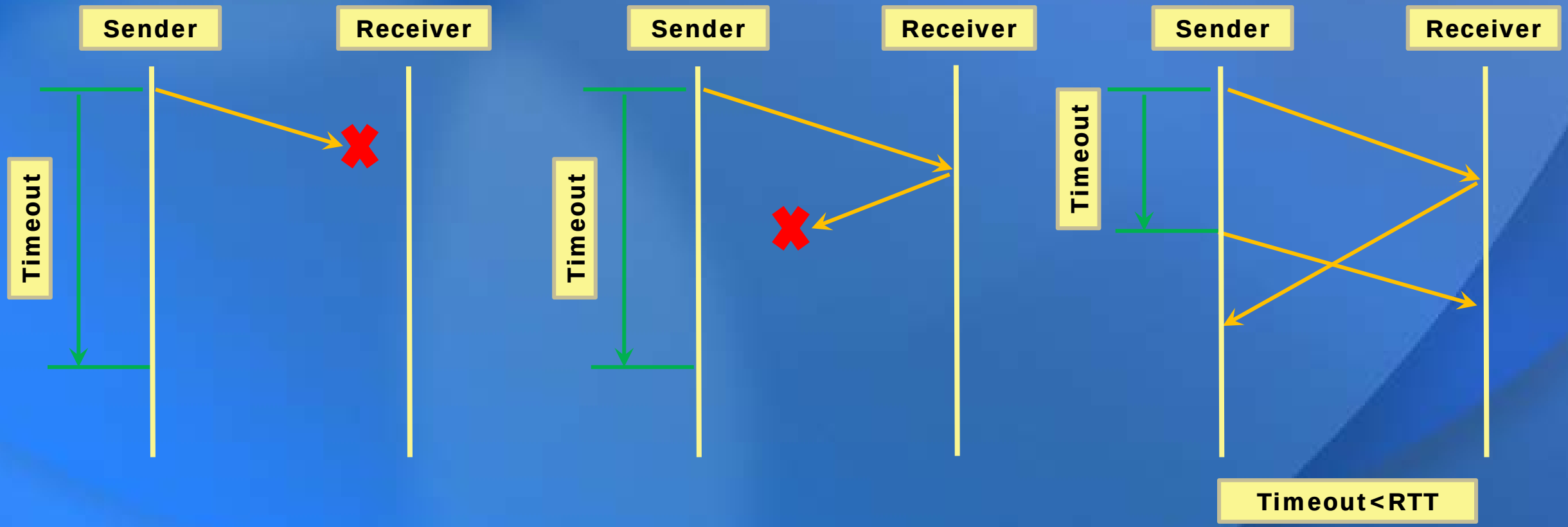


Time-Out and Retransmission





Effect of Timeout on Throughput



Selection of Timeout: a Tradeoff

1. Too large: unnecessary waiting for lost packets (Throughput)
2. Too small: unnecessary retransmissions (Energy)