

FSM og rdt.

rdt 1.0 : Reliable data transfer over a perfectly reliable channel

En slik forbindelse er perfekt, uten noe bitfeil

rdt 2.0 : Reliable data transfer over a channel with bit errors

En slik forbindelse kan ha bitfeil, men pakkene kommer over.

rdt 2.1 : Reliable data transfer over a channel with bit errors

Her kan også ACK og NACK ha bitfeil

rdt 2.2 : Reliable data transfer over a channel with bit errors

Samme som 2.1, men her brukes ikke NACK. Mottager sender ACK på den forrige pakke på nytt

rdt 3.0 : Reliable data transfer over a lossy channel with bit errors.

En slik forbindelse kan både ha bitfeil, og tap av pakker.

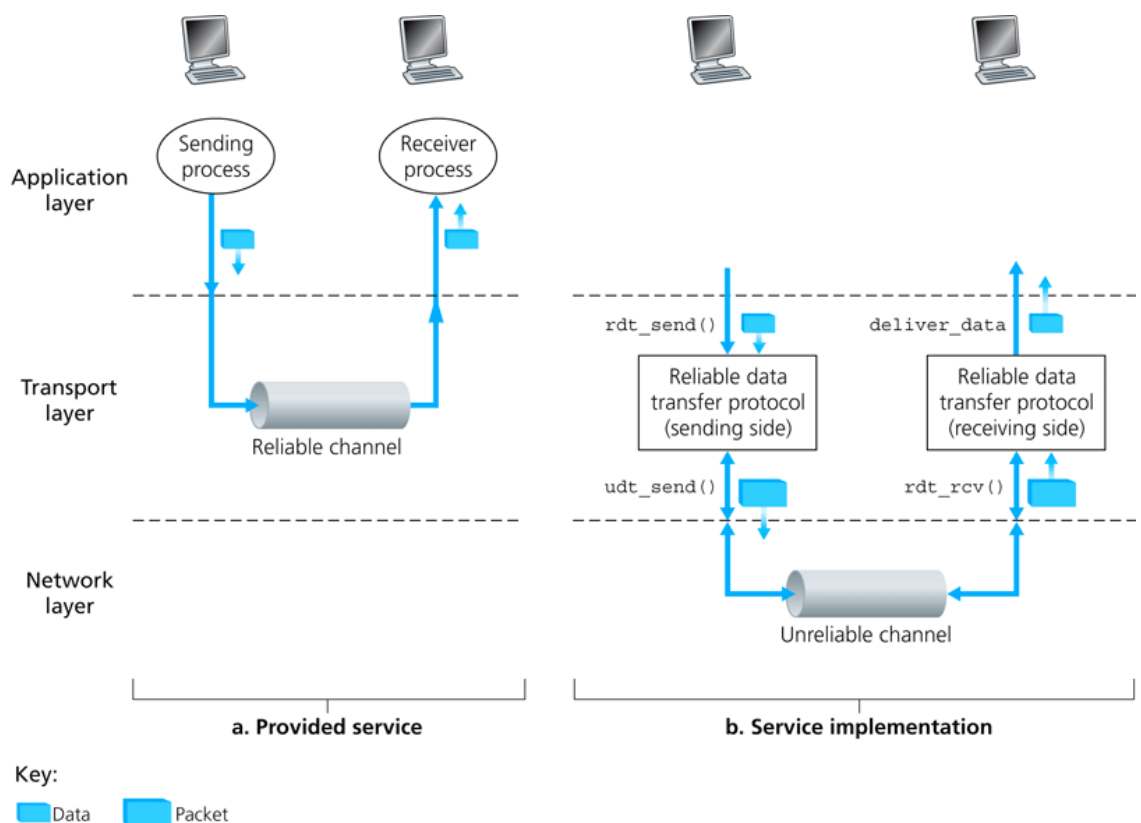
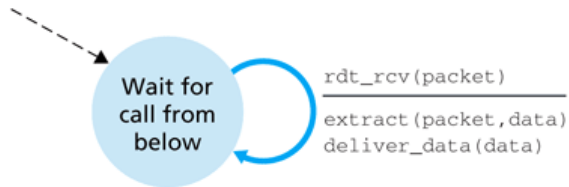


Figure 3.8 ♦ Reliable data transfer: Service model and service implementation

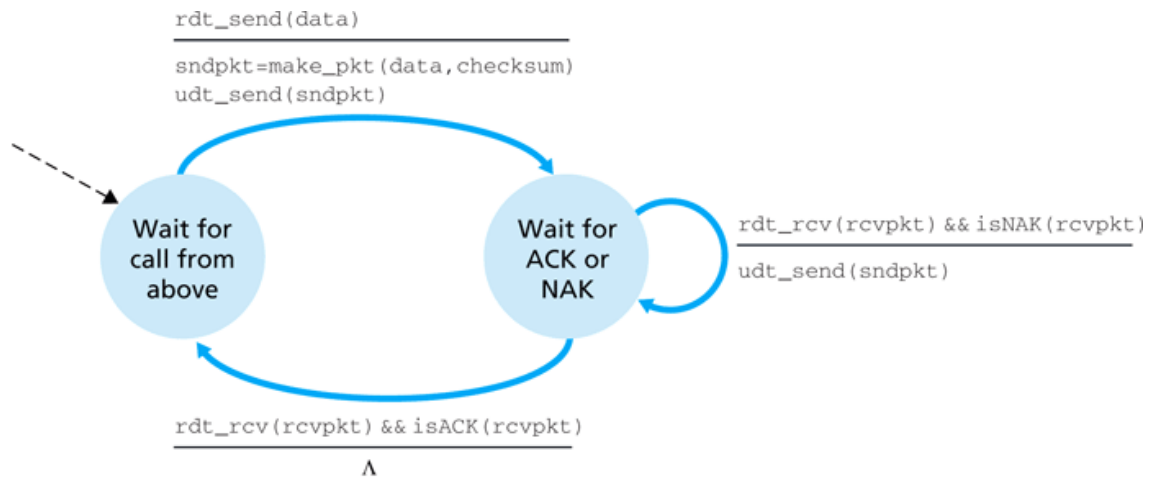


a. rdt1.0: sending side

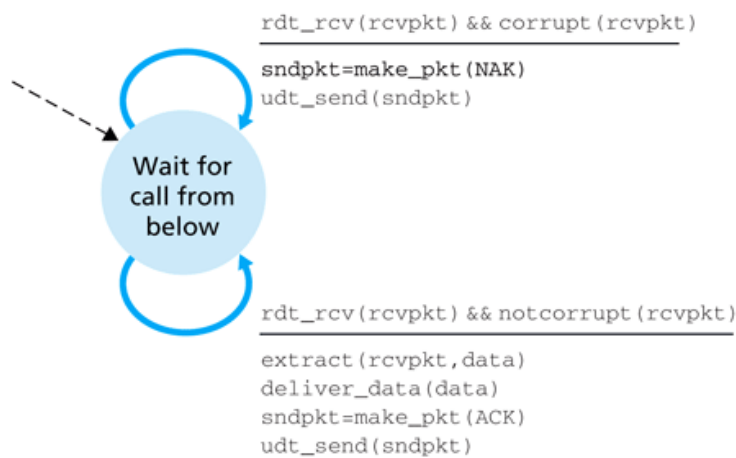


b. rdt1.0: receiving side

Figure 3.9 ♦ rdt1.0 – A protocol for a completely reliable channel



a. rdt2.0: sending side



b. rdt2.0: receiving side

Figure 3.10 ♦ rdt2.0 – A protocol for a channel with bit errors

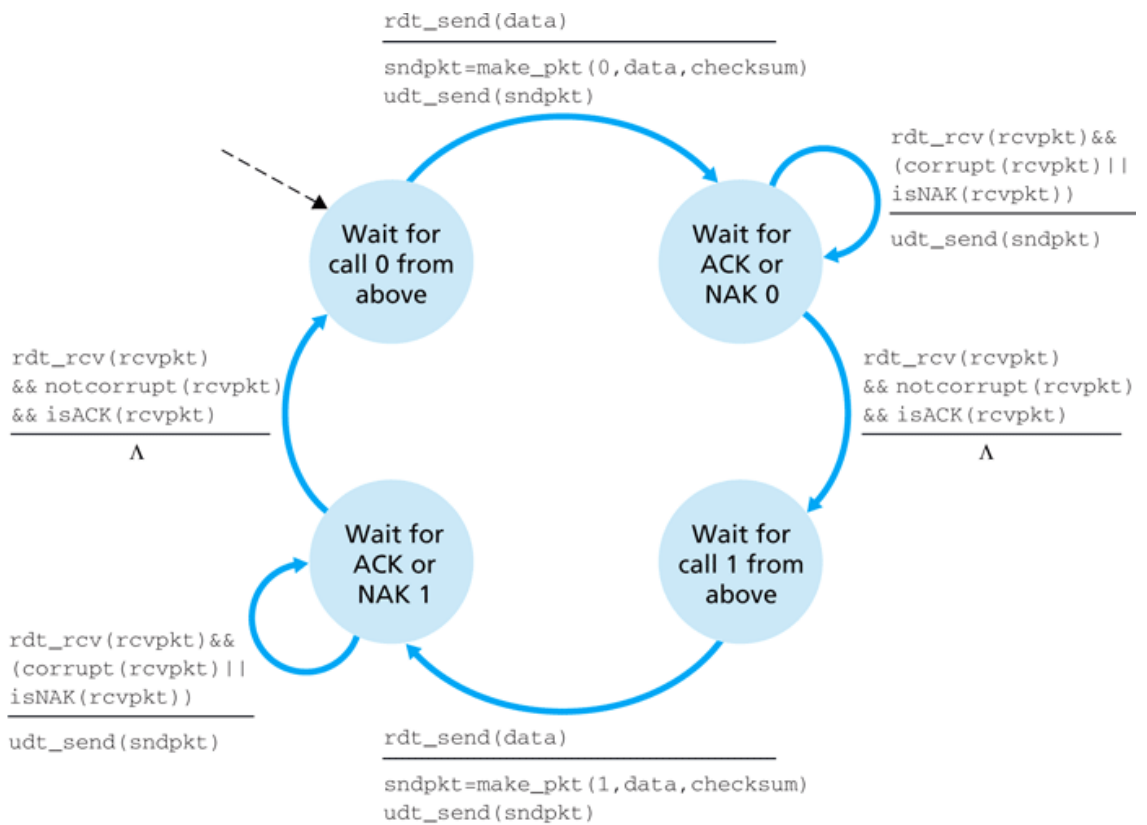


Figure 3.11 ♦ rdt2.1 sender

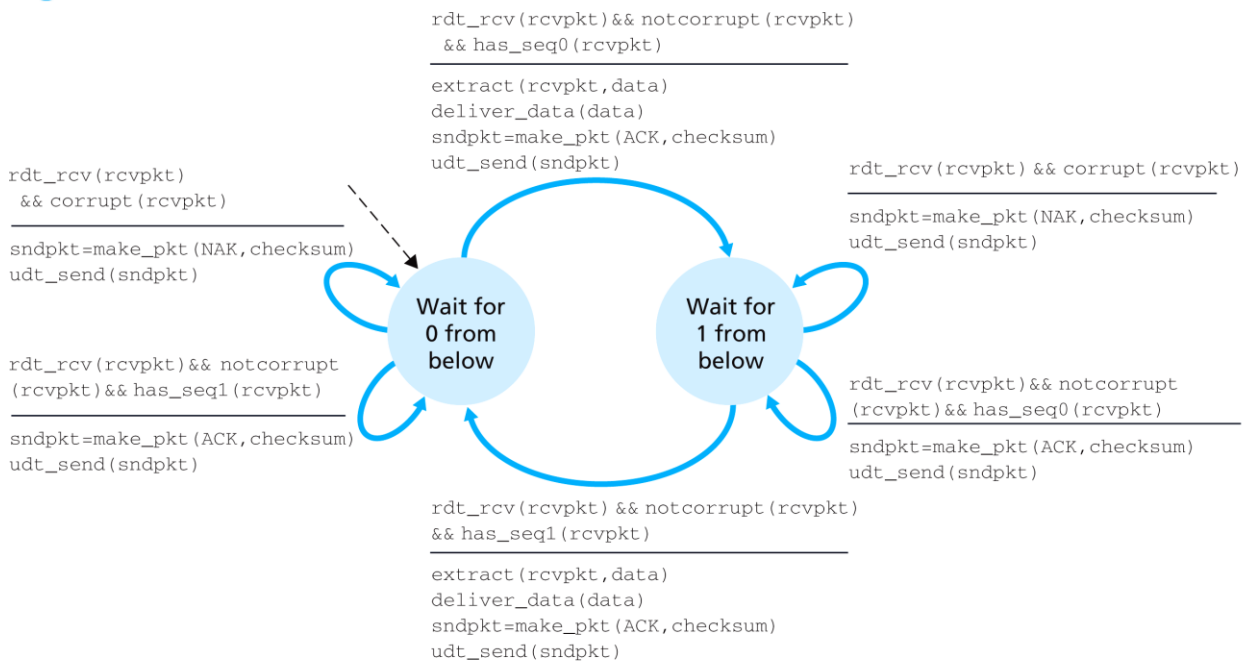


Figure 3.12 ♦ rdt2.1 receiver

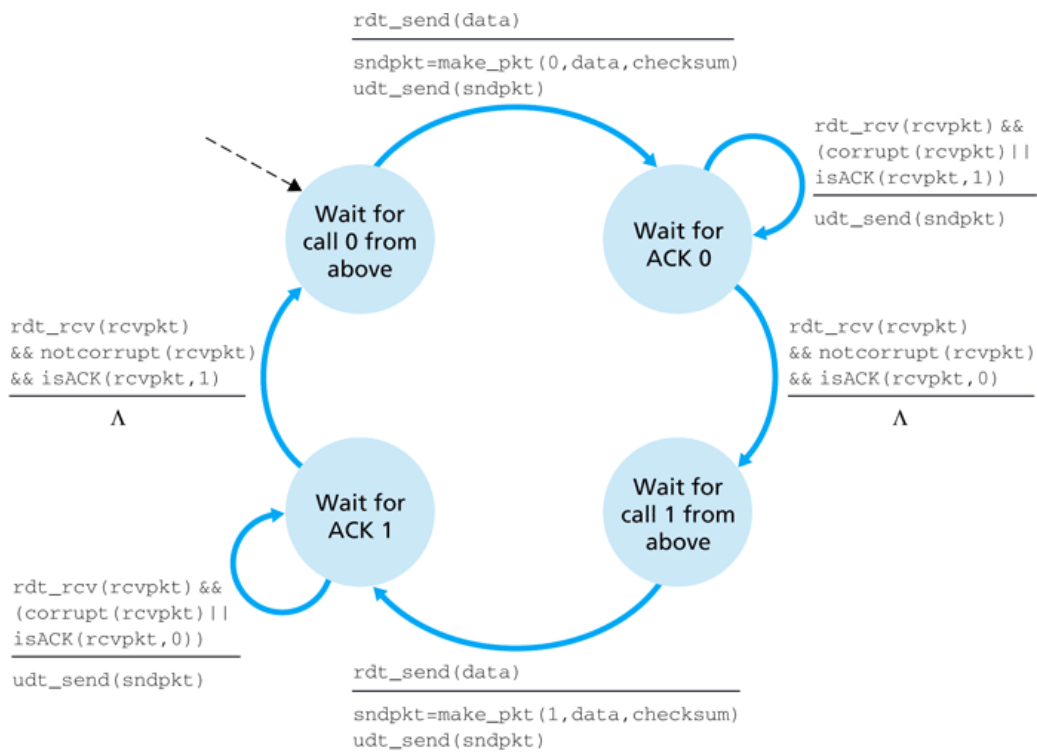


Figure 3.13 ♦ rdt2.2 sender

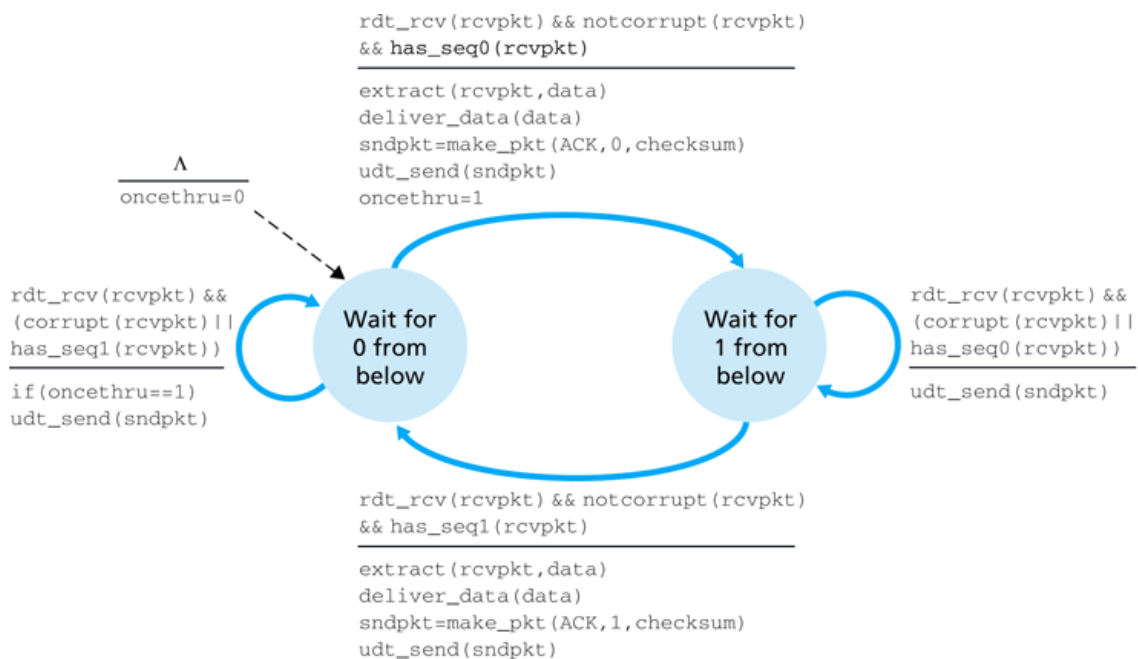


Figure 3.14 ♦ rdt2.2 receiver

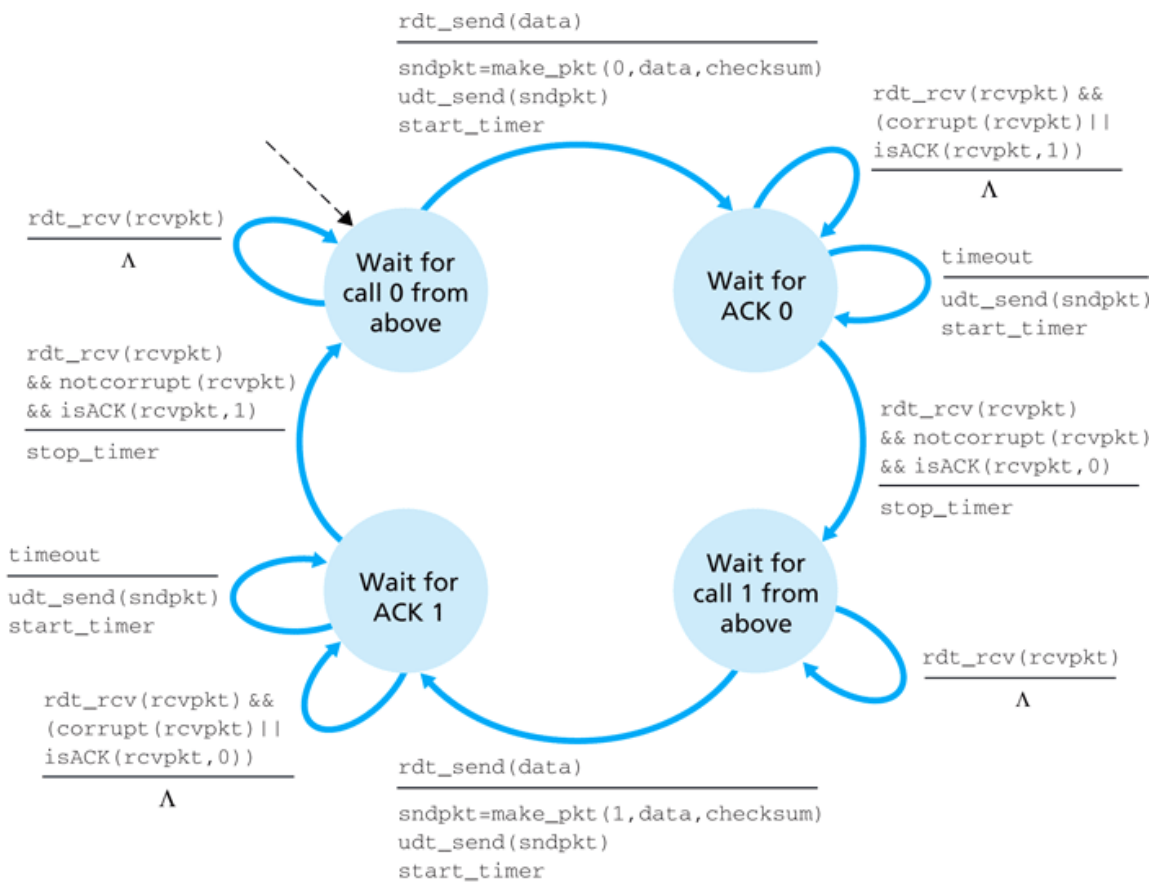


Figure 3.15 ♦ rdt3.0 sender

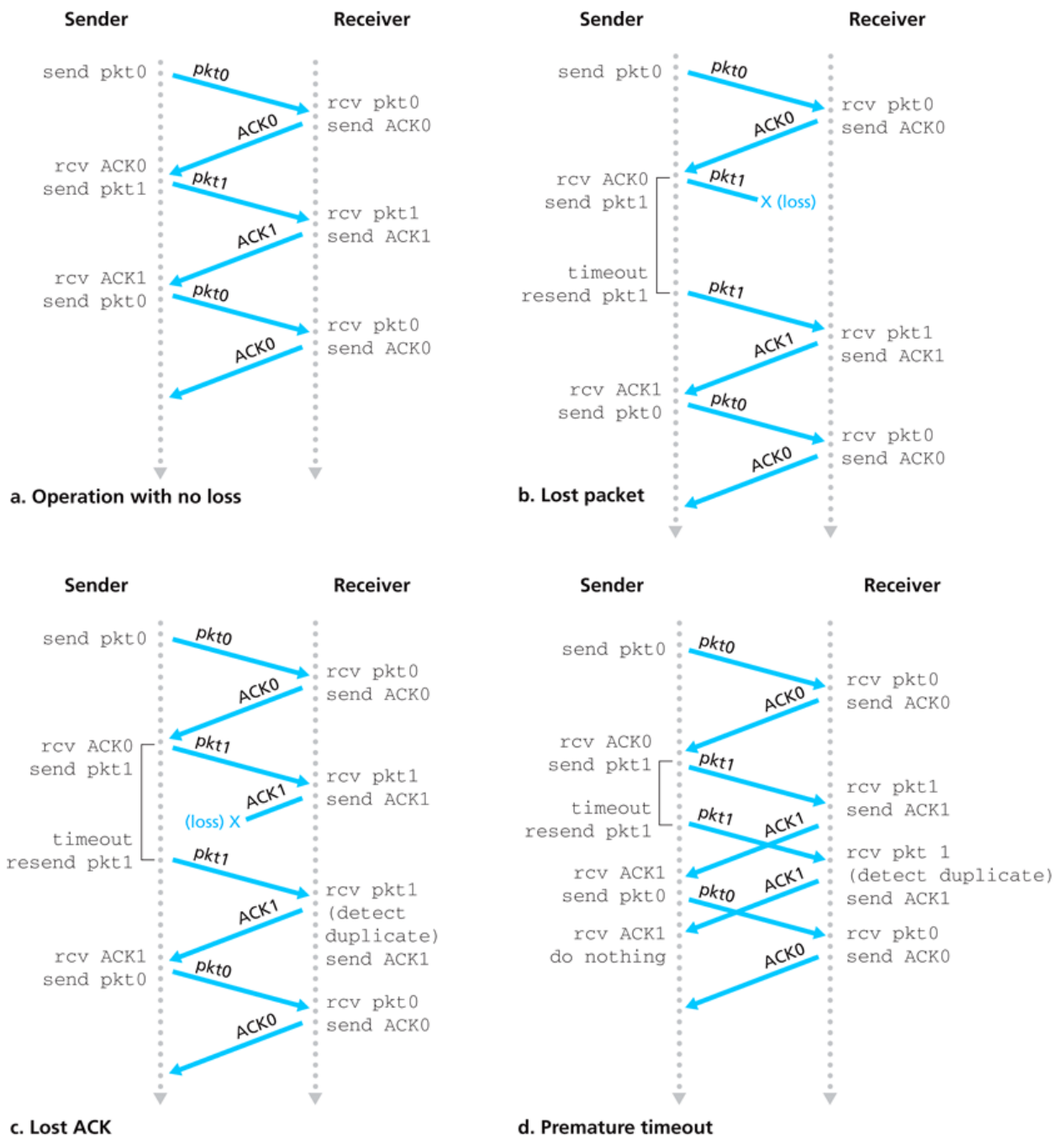


Figure 3.16 ♦ Operation of rdt3.0, the alternating-bit protocol