Base Header NEXT=TCP	TCP Segment

(a)

Base Header NEXT=ROUTE	Route Header NEXT=TCP	TCP Segment

(b)

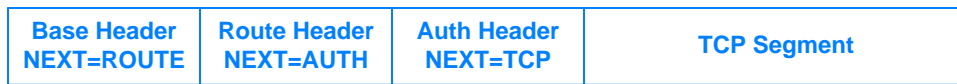| Base Header NEXT=ROUTE	Route Header NEXT=AUTH	Auth Header NEXT=TCP	TCP Segment

(c)

Figure 7.5 Illustration of the *NEXT HEADER* fields in IPv6 datagrams with (a) only a base header, (b) a base header and one extension, and (c) a base header and two extension headers.