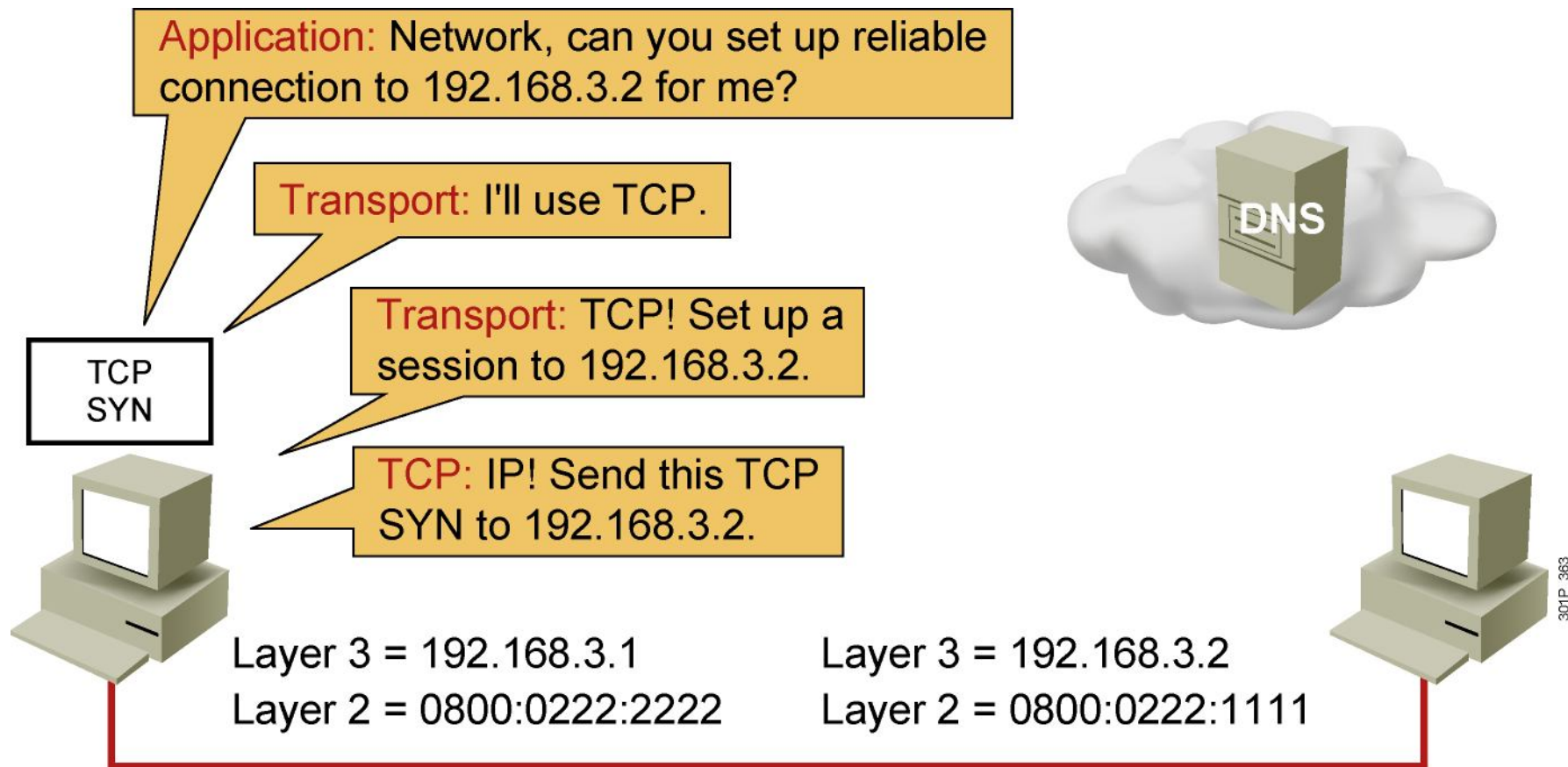
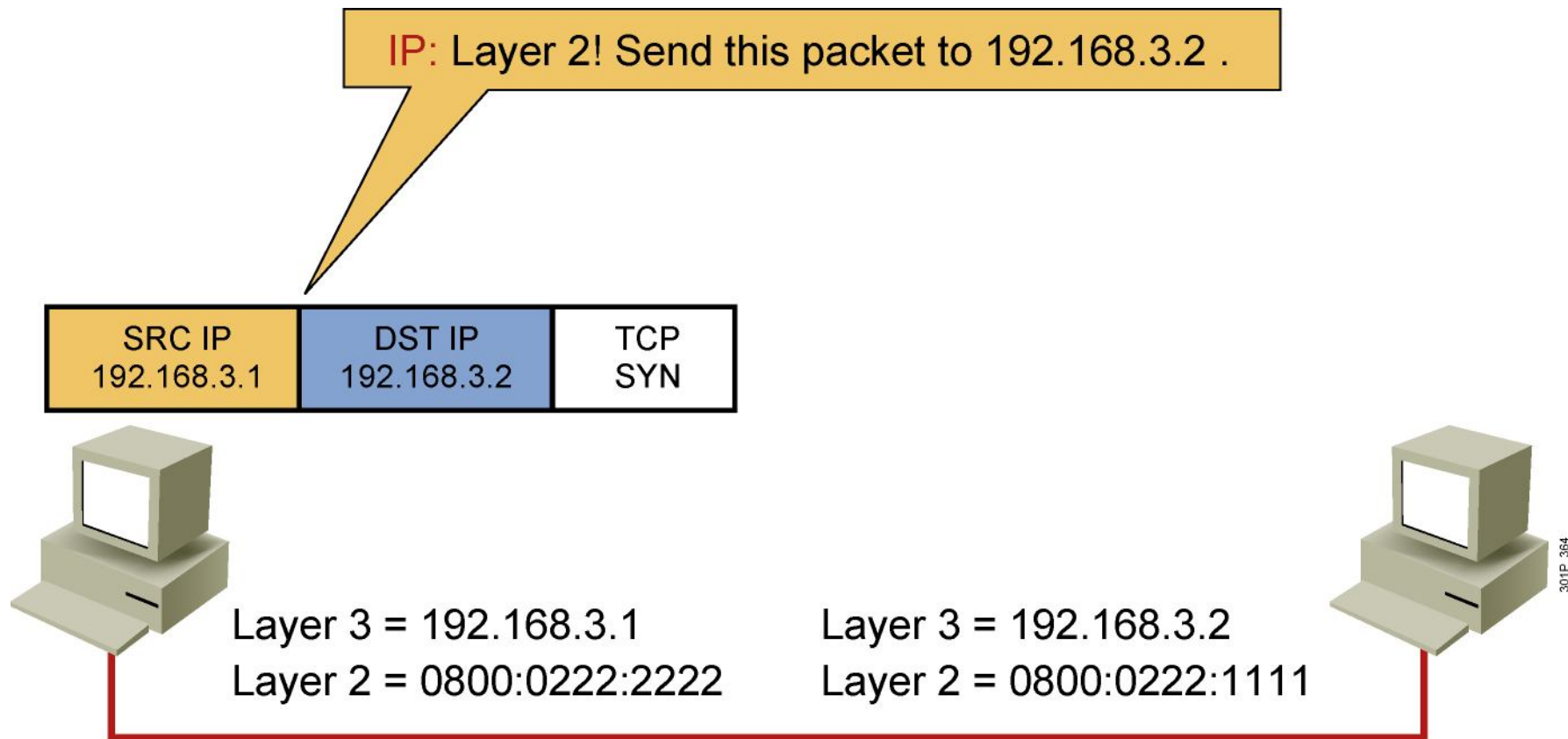


TCP Traffic Flow

Host-to-Host Packet Delivery (1 of 22)



Host-to-Host Packet Delivery (2 of 22)



Host-to-Host Packet Delivery (3 of 22)

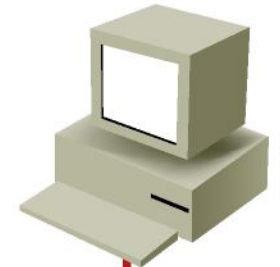
Layer 2: ARP, do you have a mapping for 192.168.3.2?

ARP: Is 192.168.3.2 in my ARP table? No, I guess Layer 2 will have to put the packet in the parking lot until I do an ARP.

SRC IP 192.168.3.1	DST IP 192.168.3.2	TCP SYN
-----------------------	-----------------------	------------

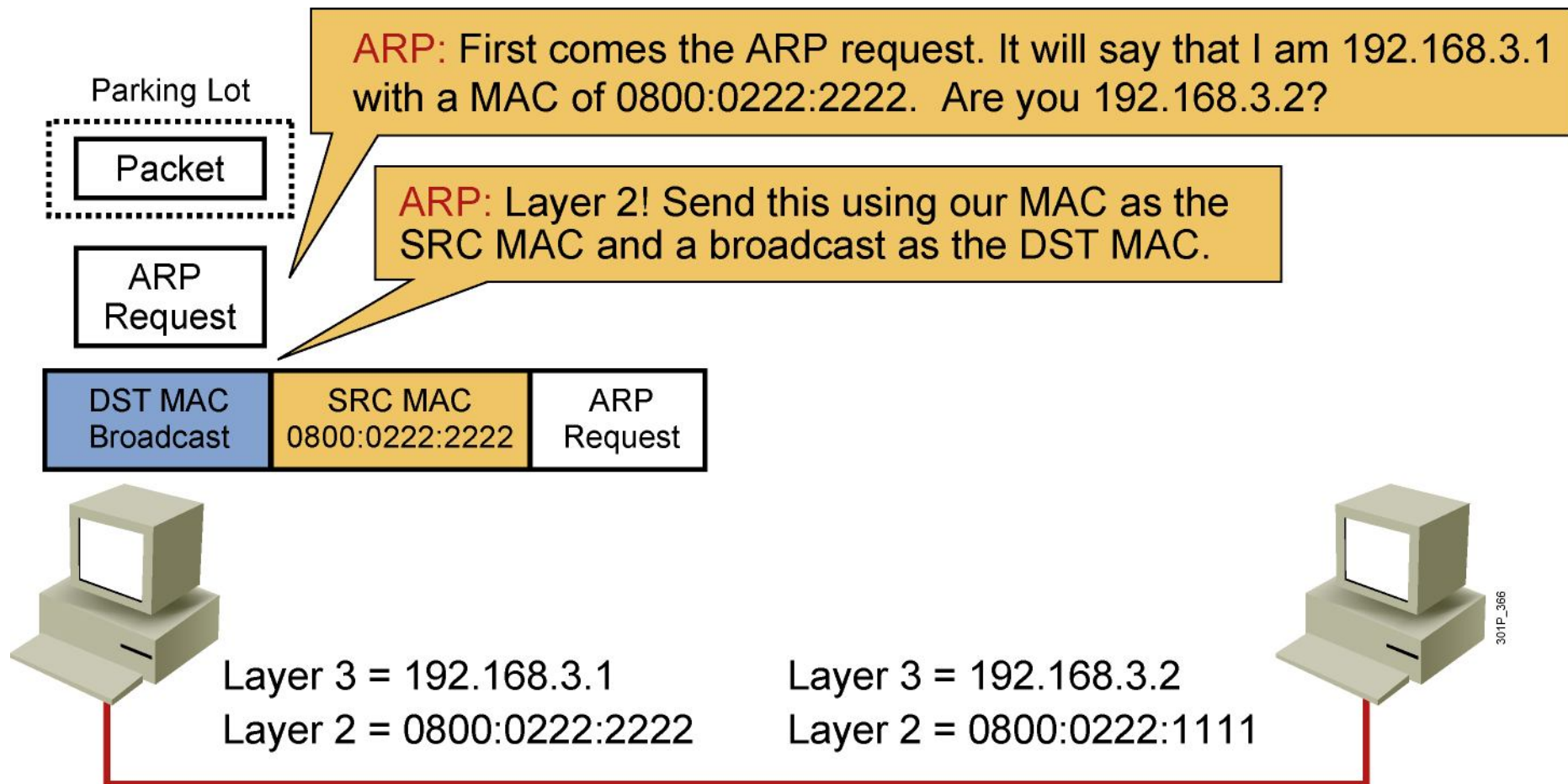


Layer 3 = 192.168.3.1
Layer 2 = 0800:0222:2222

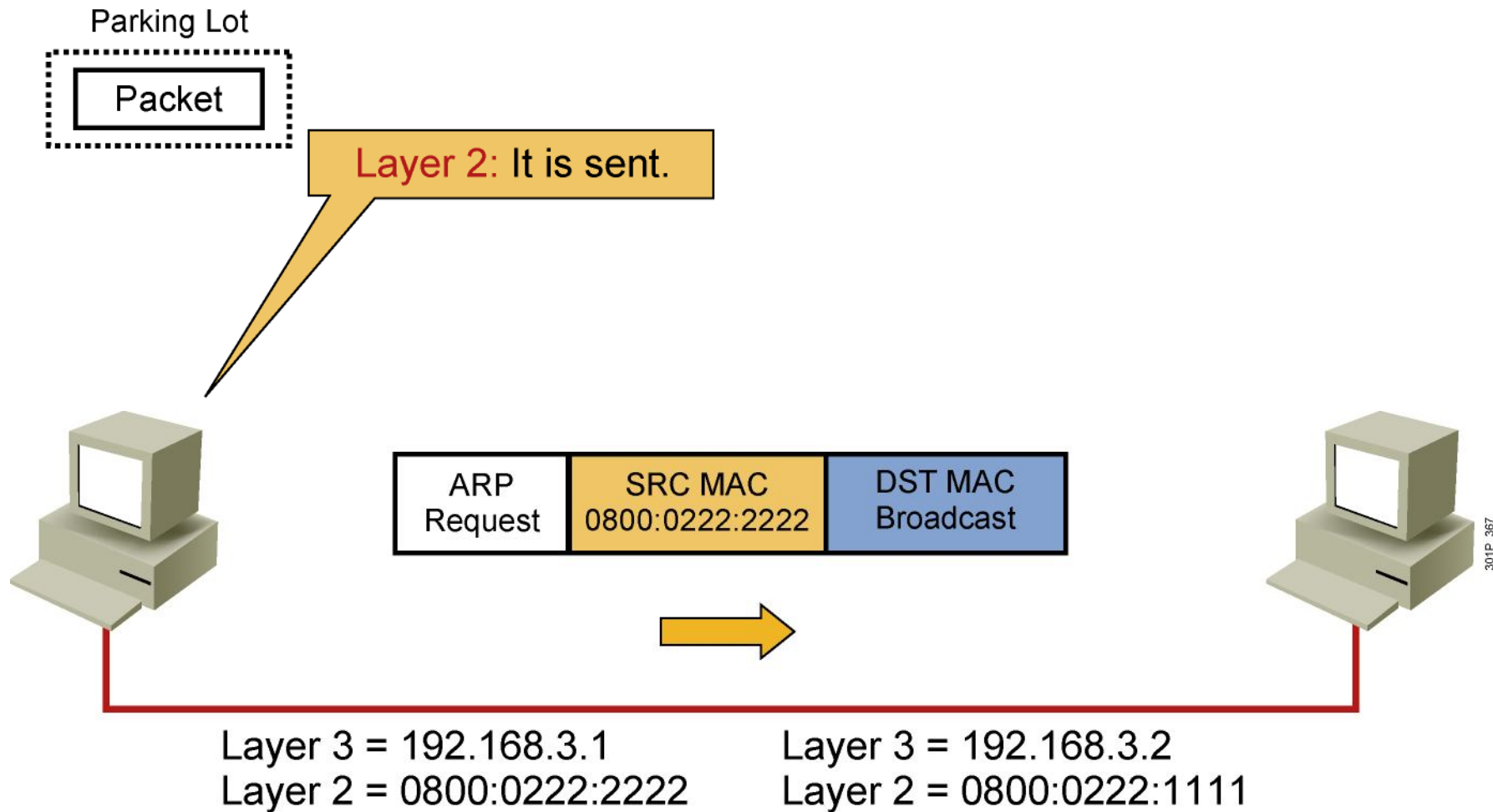


Layer 3 = 192.168.3.2
Layer 2 = 0800:0222:1111

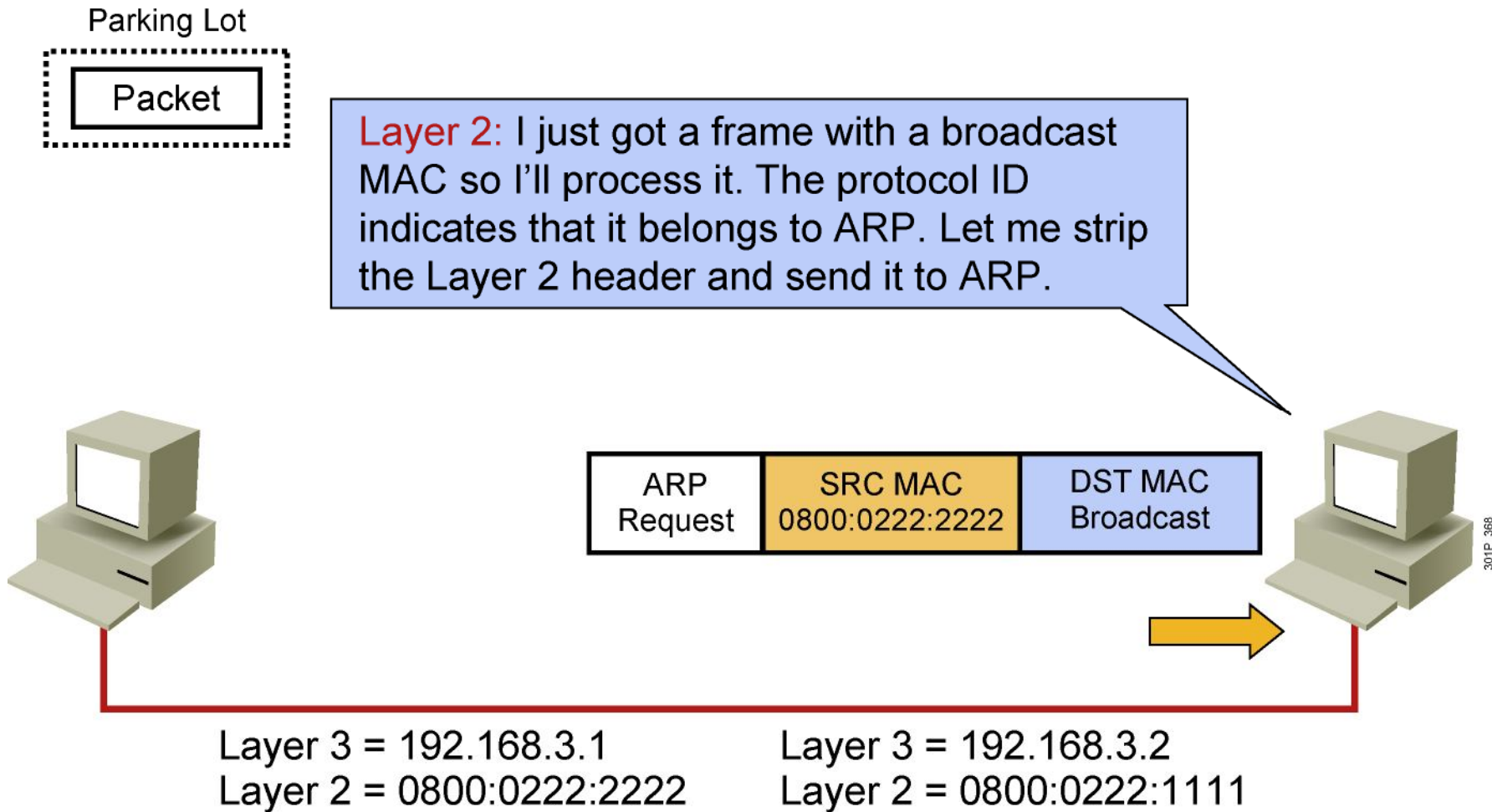
Host-to-Host Packet Delivery (4 of 22)



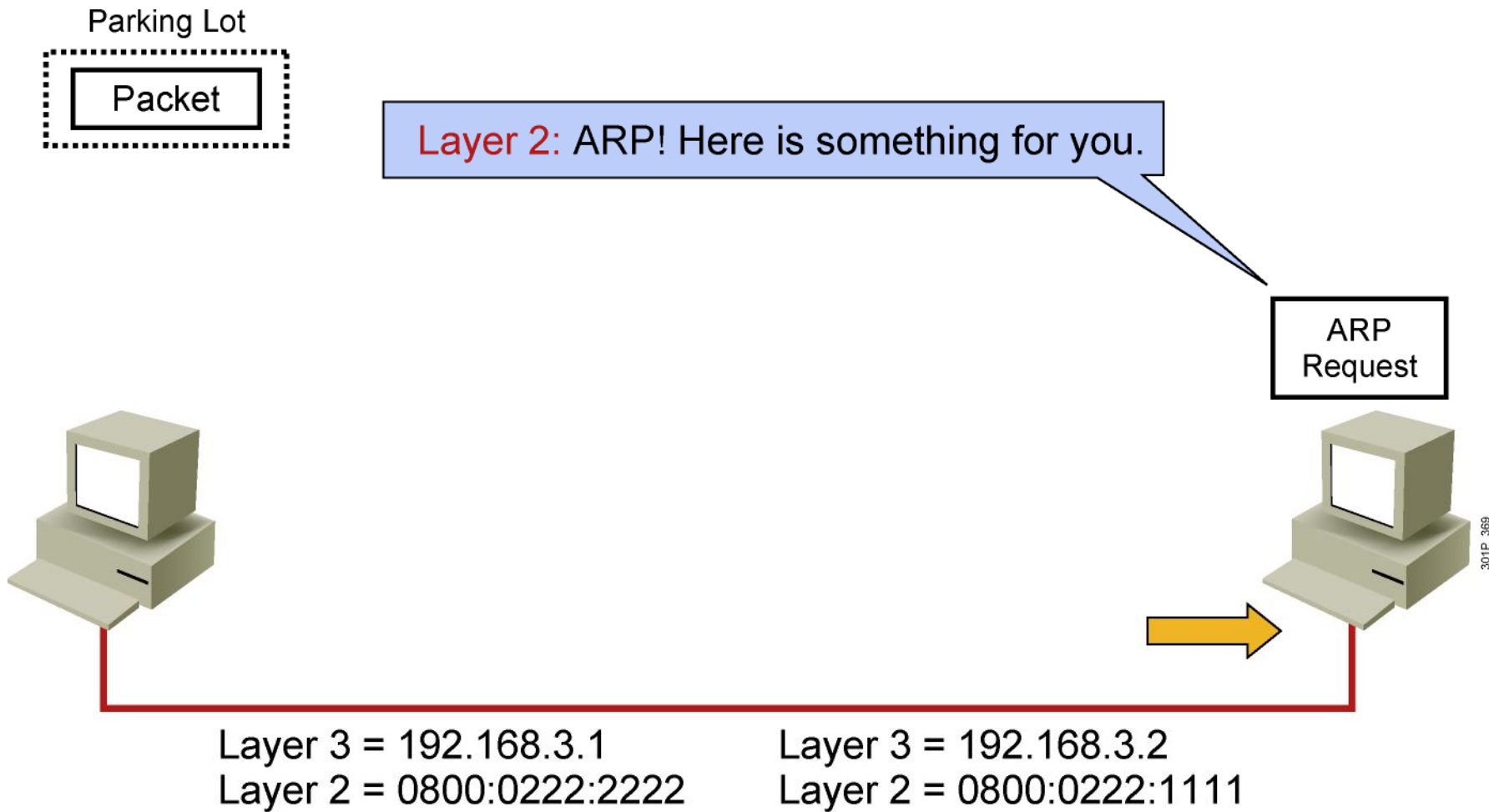
Host-to-Host Packet Delivery (5 of 22)



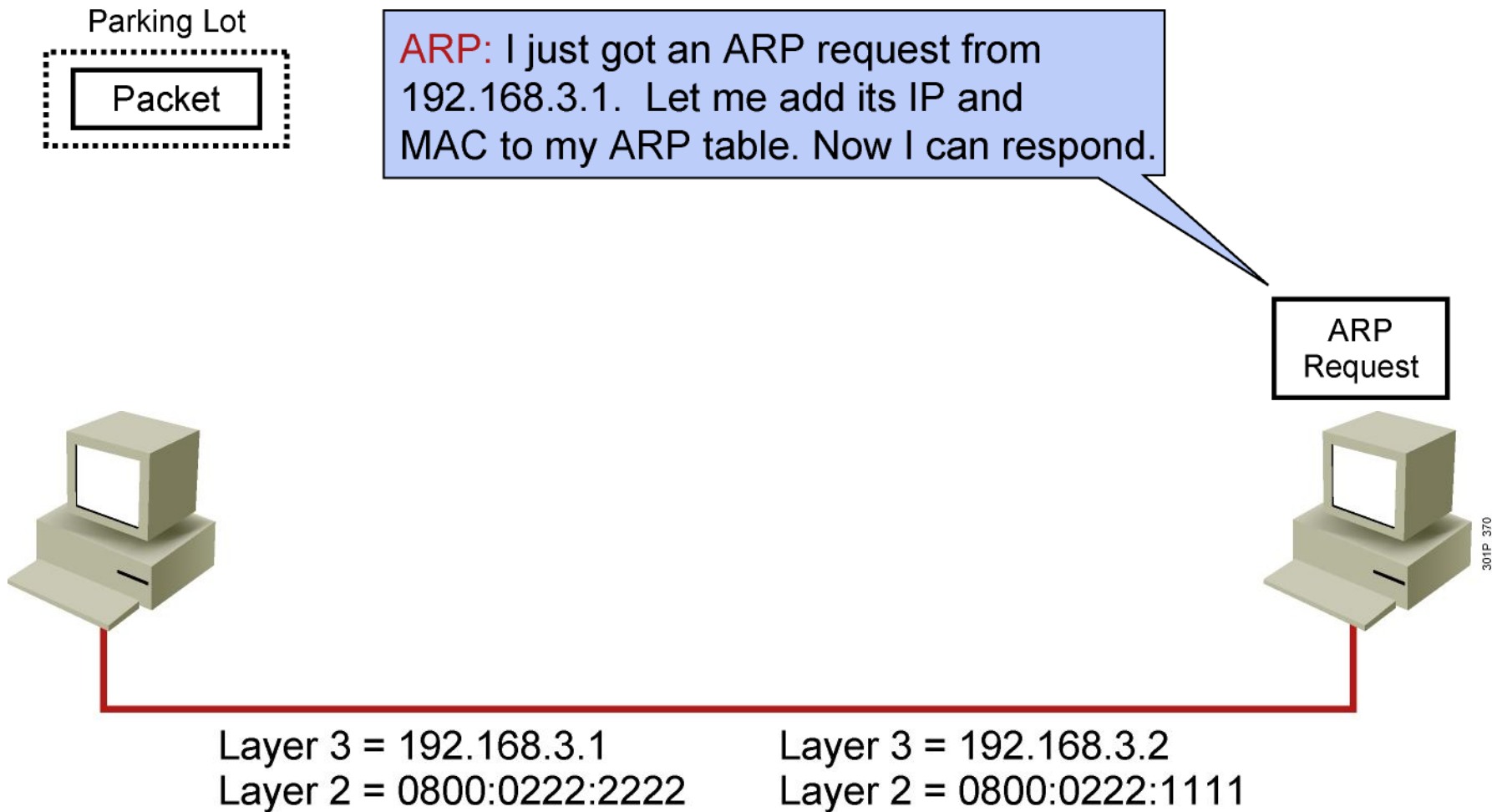
Host-to-Host Packet Delivery (6 of 22)



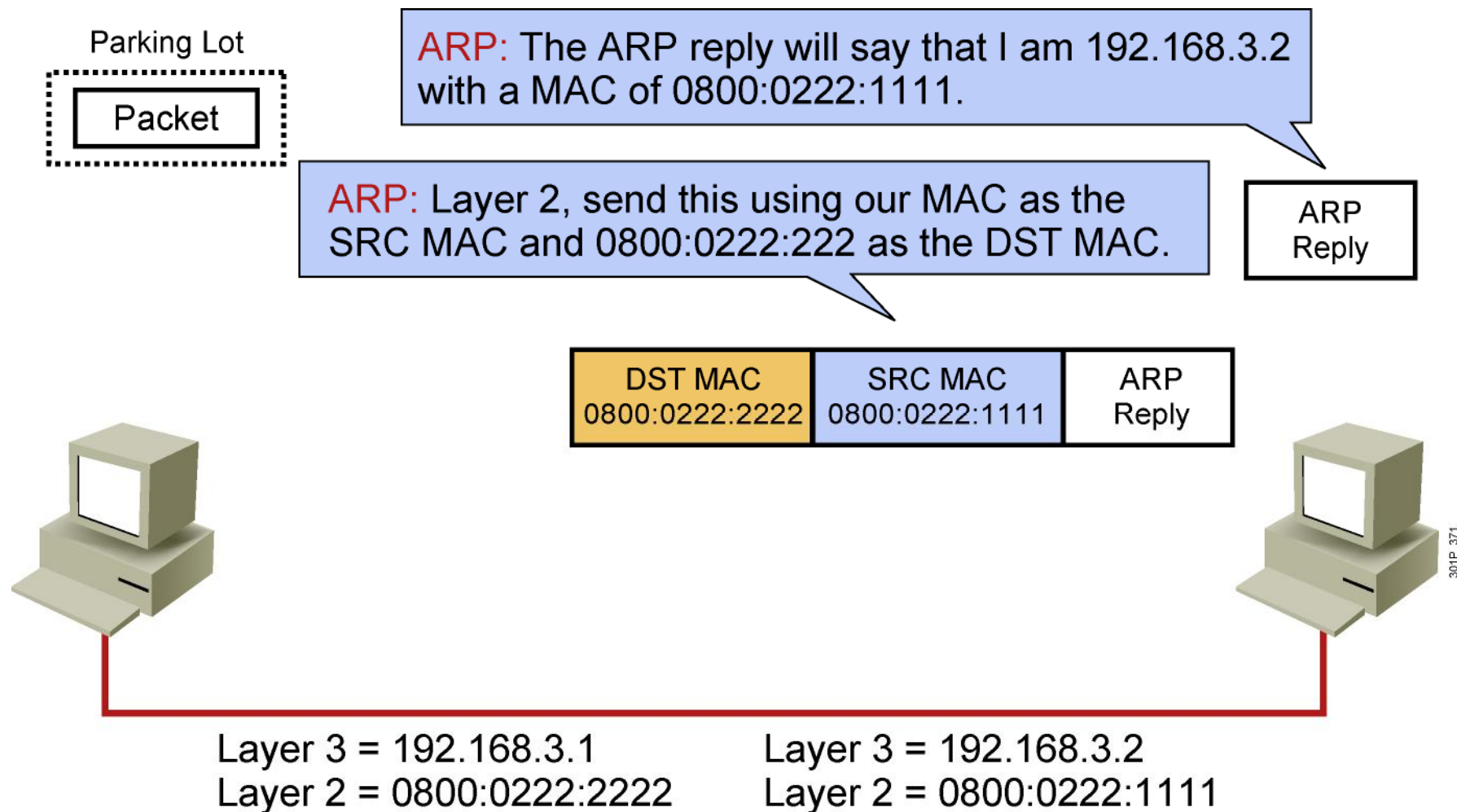
Host-to-Host Packet Delivery (7 of 22)



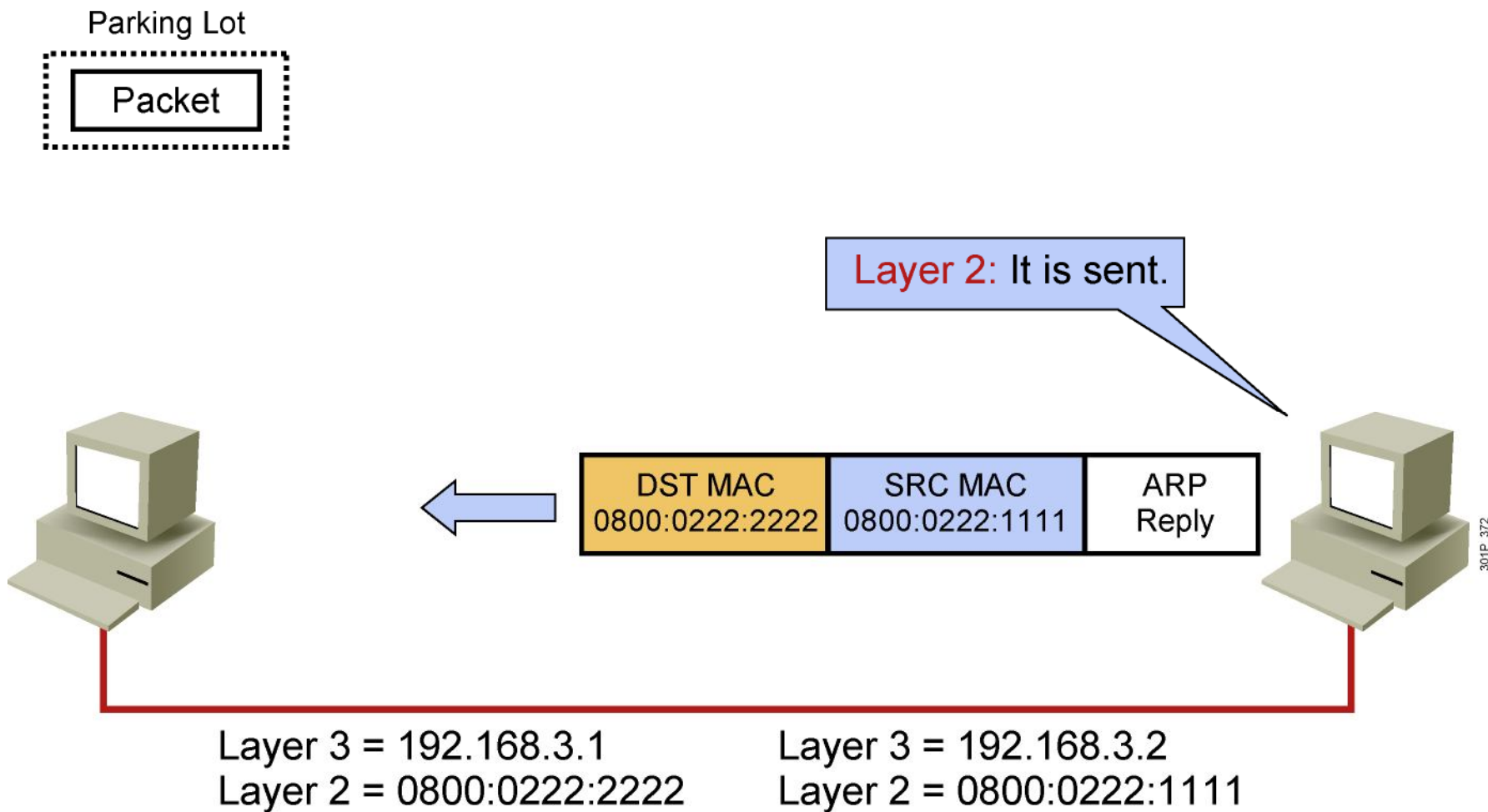
Host-to-Host Packet Delivery (8 of 22)



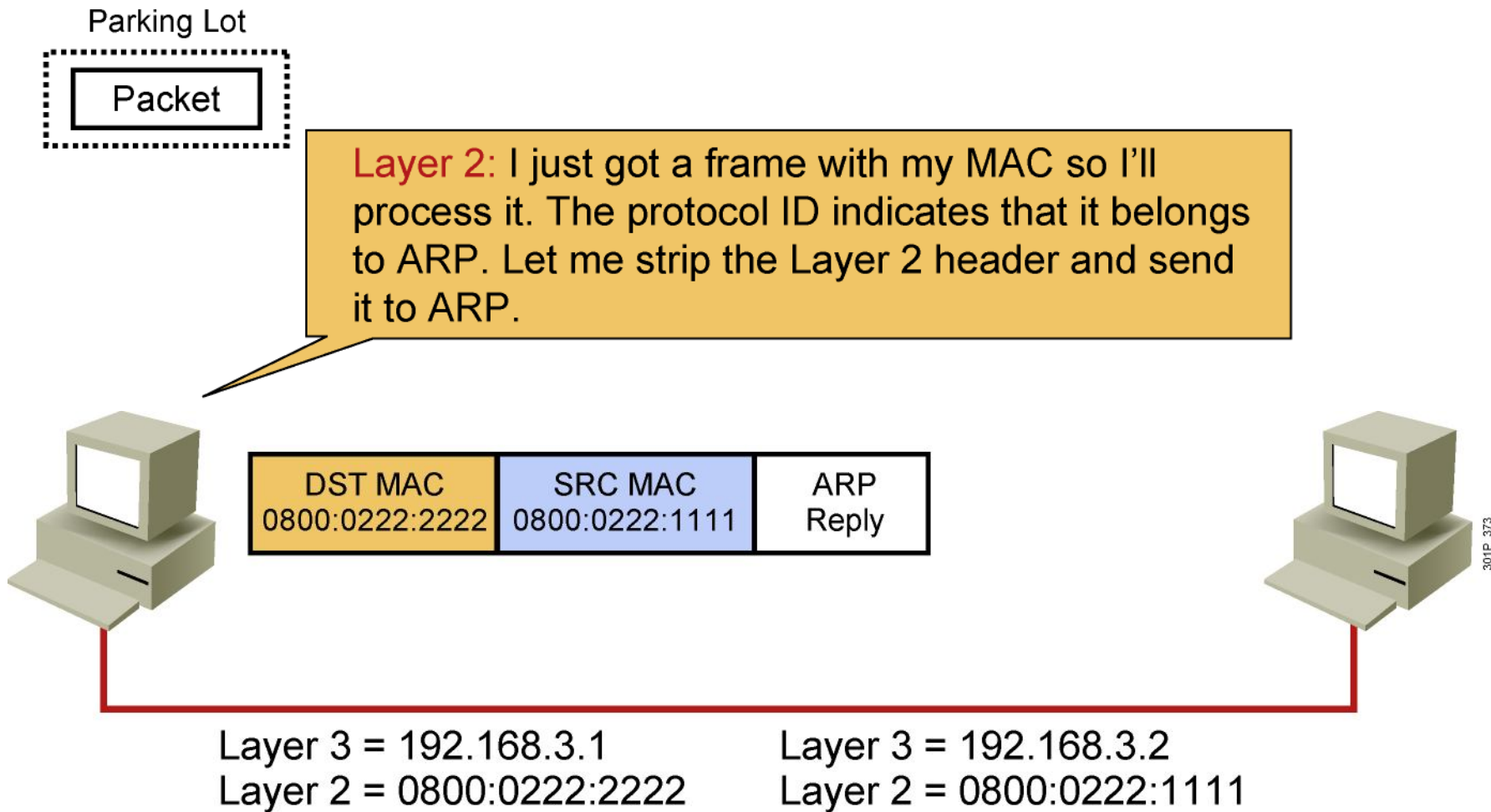
Host-to-Host Packet Delivery (9 of 22)



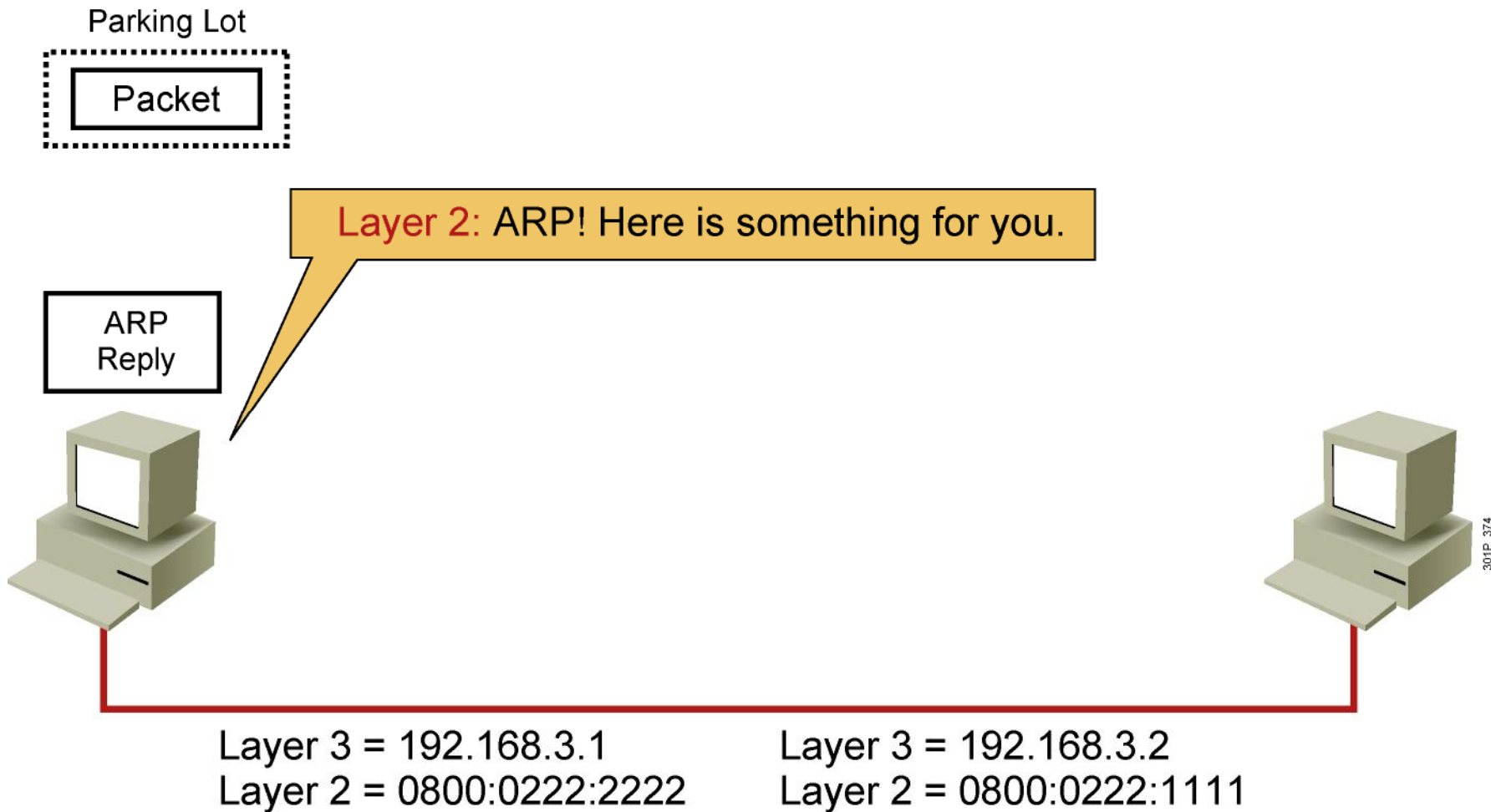
Host-to-Host Packet Delivery (10 of 22)



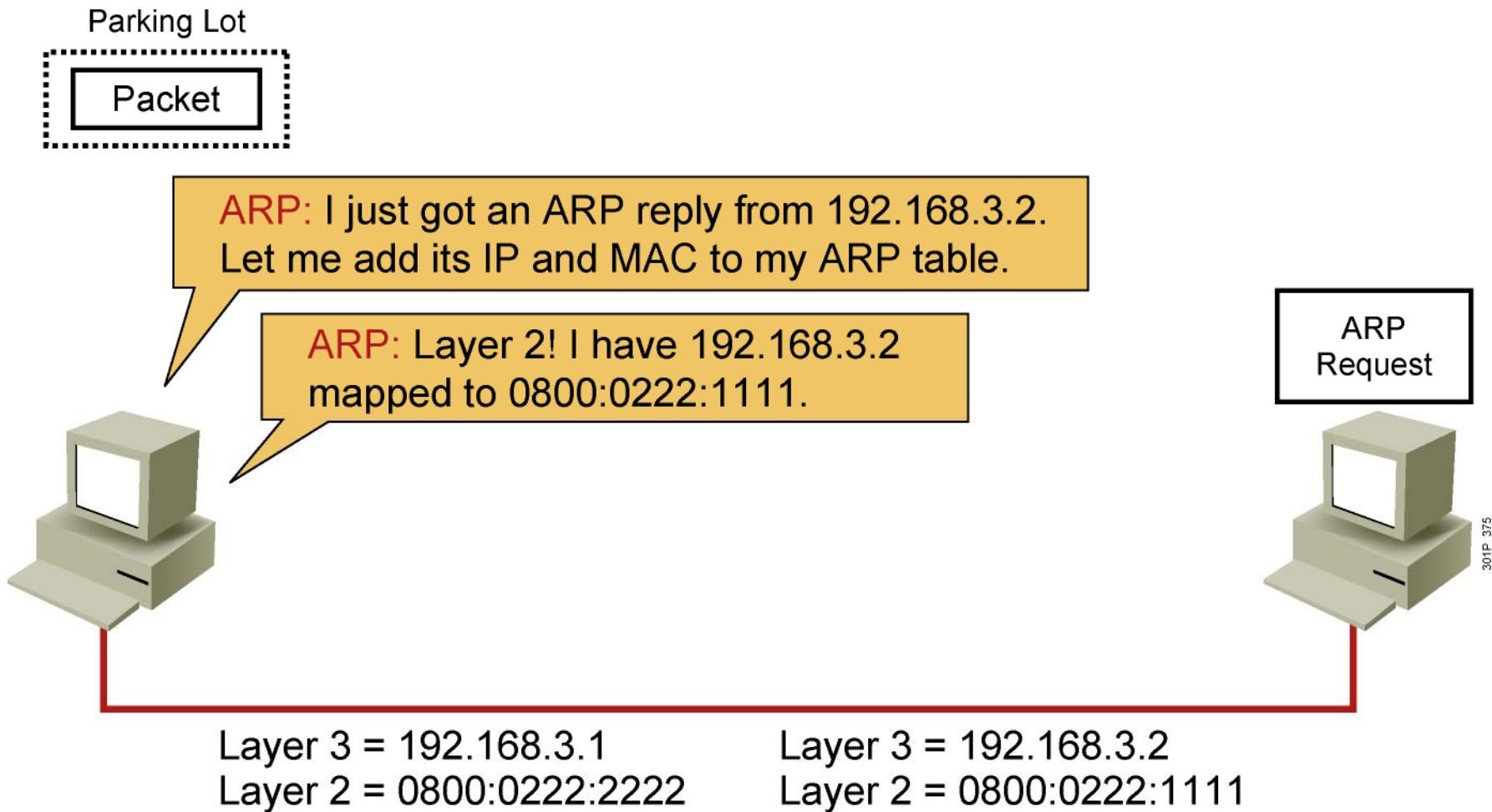
Host-to-Host Packet Delivery (11 of 22)



Host-to-Host Packet Delivery (12 of 22)

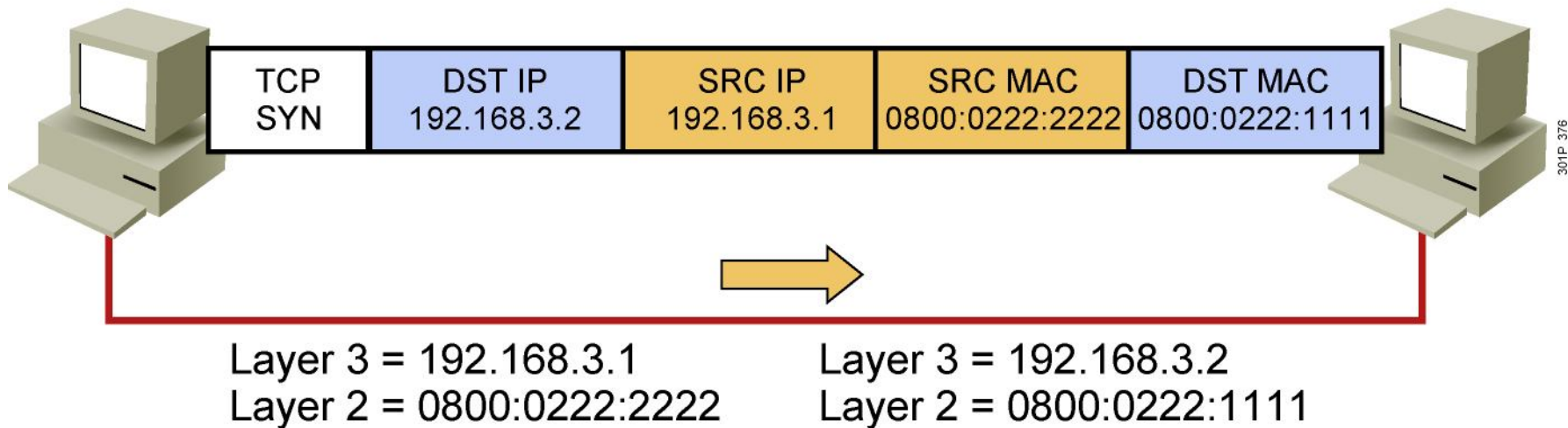


Host-to-Host Packet Delivery (13 of 22)

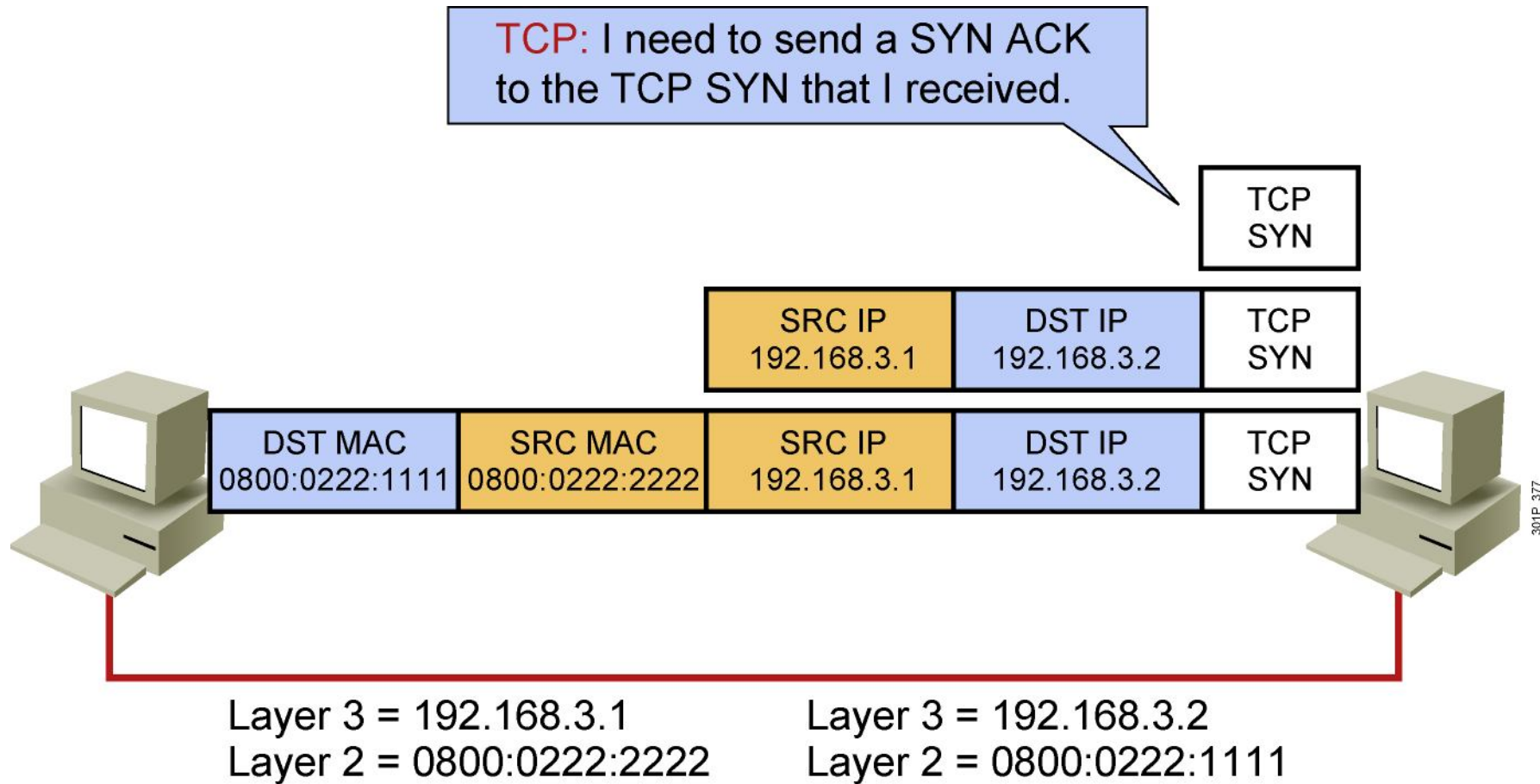


Host-to-Host Packet Delivery (14 of 22)

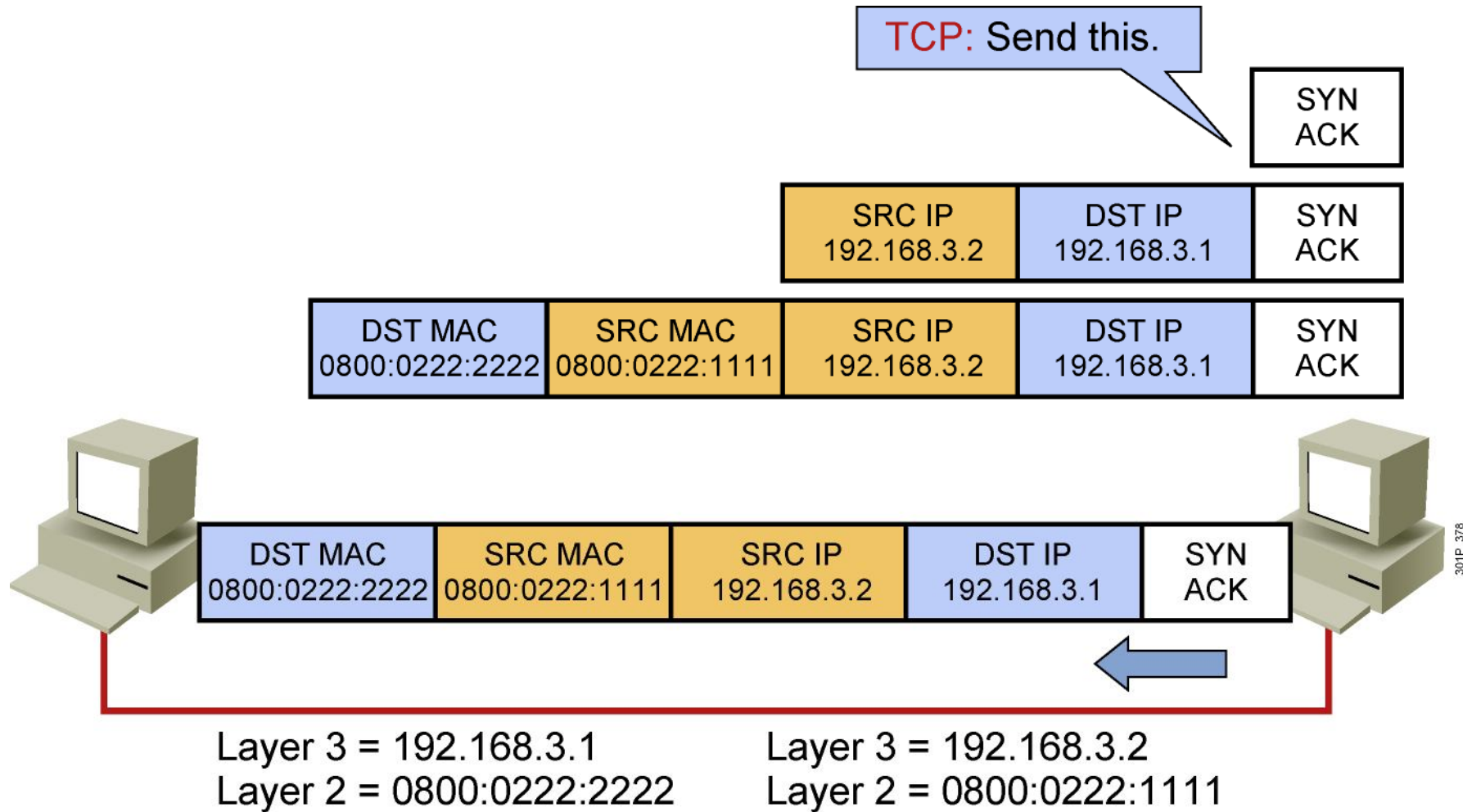
Layer 2: I can send out that pending packet.



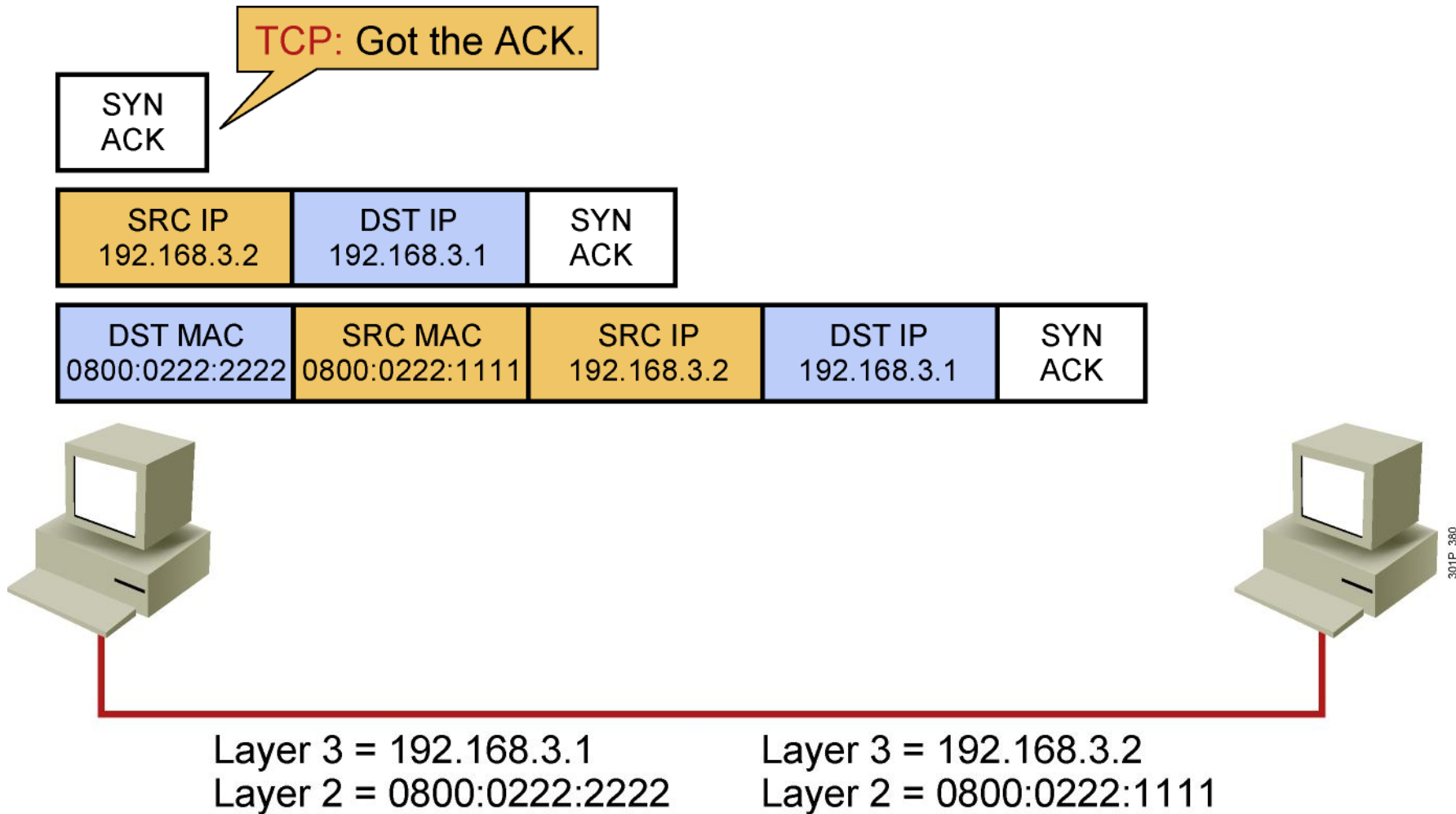
Host-to-Host Packet Delivery (15 of 22)



Host-to-Host Packet Delivery (16 of 22)



Host-to-Host Packet Delivery (17 of 22)



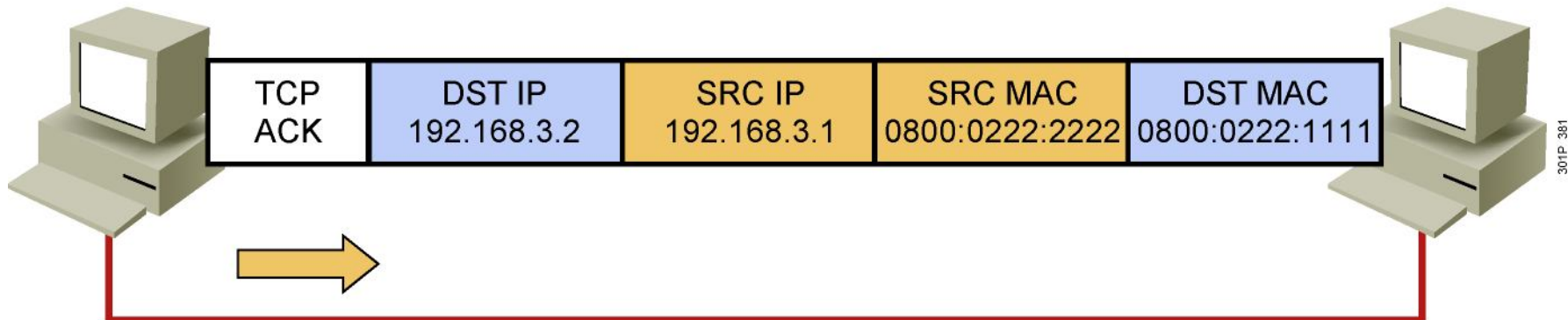
Host-to-Host Packet Delivery (18 of 22)

TCP: I need to let the other end know I got the SYN ACK to complete the session establishment.

TCP
ACK

SRC IP 192.168.3.1	DST IP 192.168.3.2	TCP ACK
-----------------------	-----------------------	------------

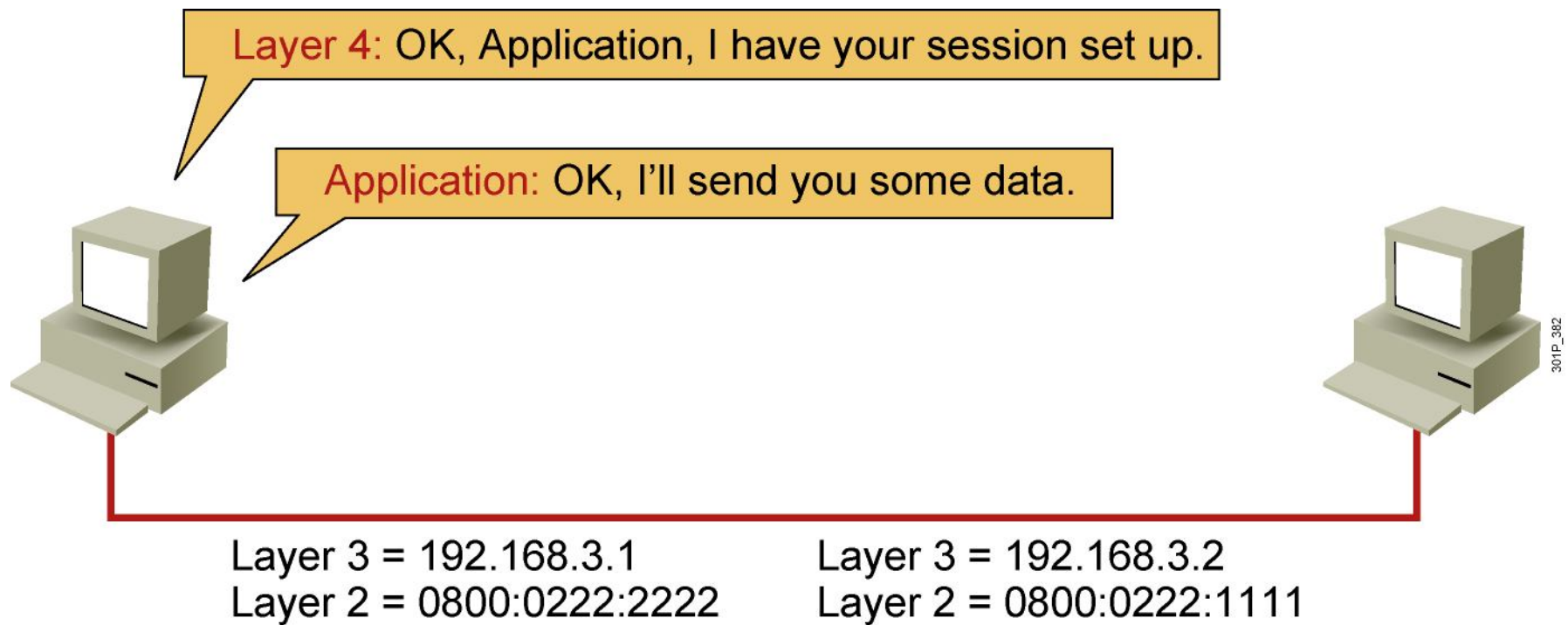
DST MAC 0800:0222:1111	SRC MAC 0800:0222:2222	SRC IP 192.168.3.1	DST IP 192.168.3.2	TCP ACK
---------------------------	---------------------------	-----------------------	-----------------------	------------



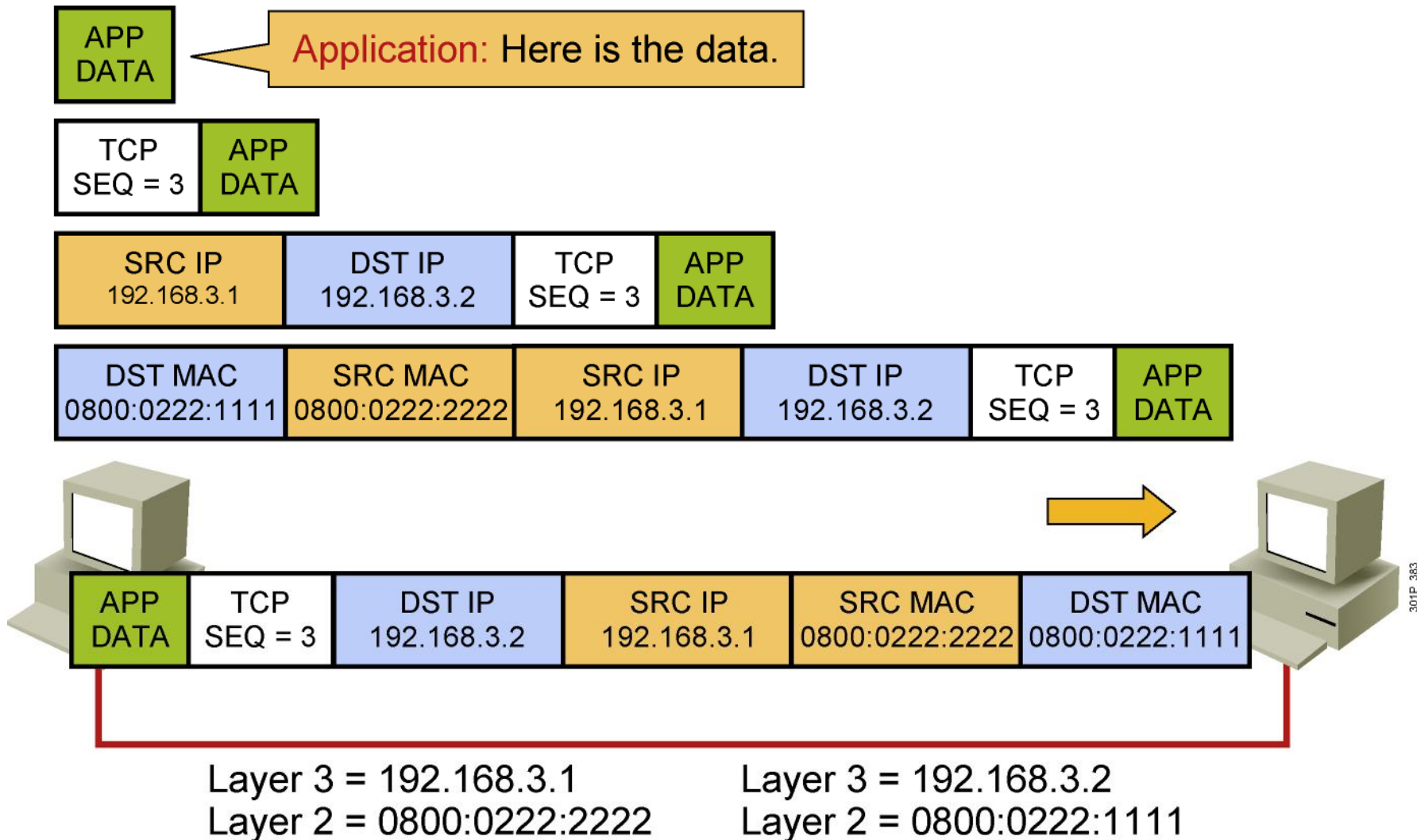
Layer 3 = 192.168.3.1
Layer 2 = 0800:0222:2222

Layer 3 = 192.168.3.2
Layer 2 = 0800:0222:1111

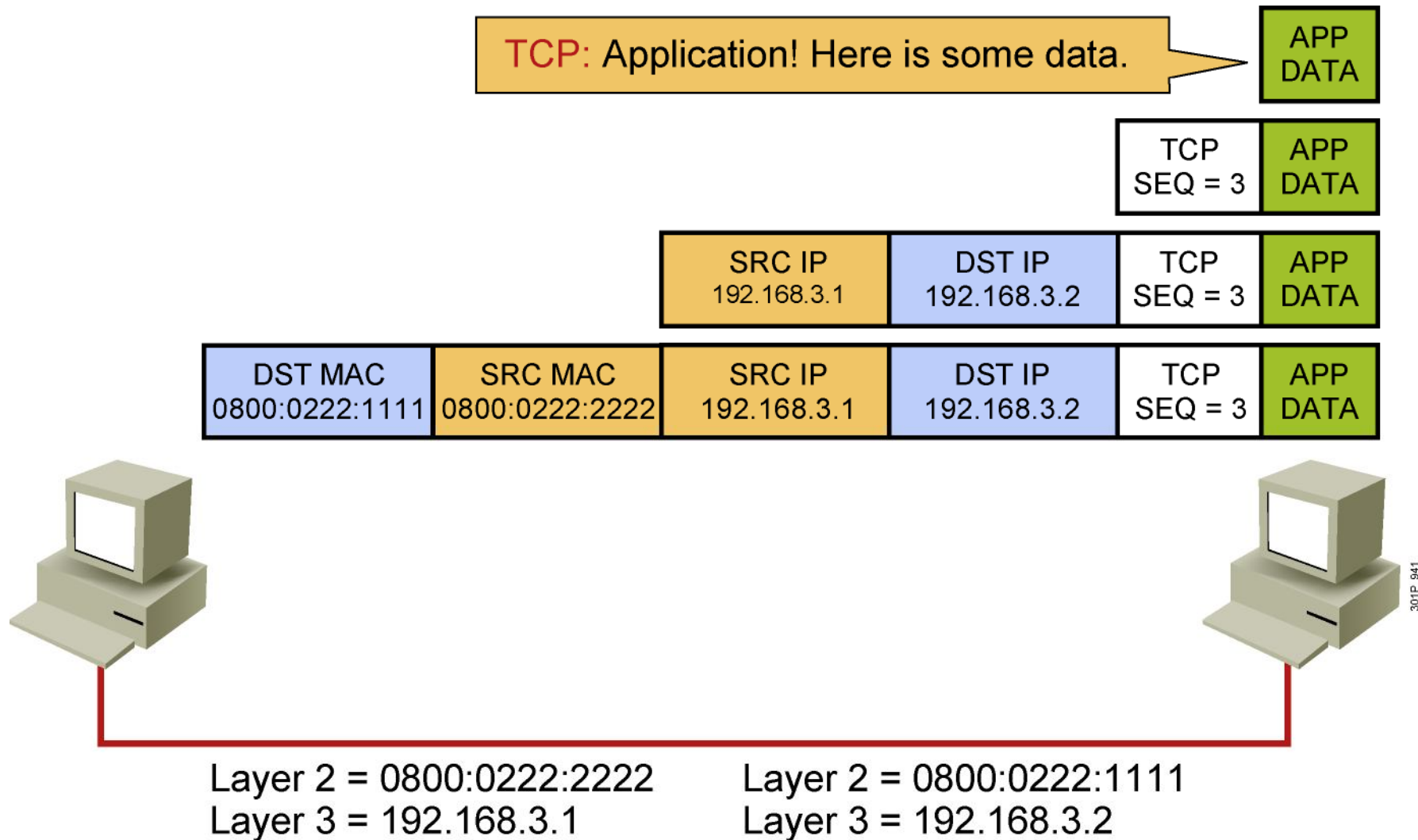
Host-to-Host Packet Delivery (19 of 22)



Host-to-Host Packet Delivery (20 of 22)



Host-to-Host Packet Delivery (21 of 22)



Host-to-Host Packet Delivery (22 of 22)

