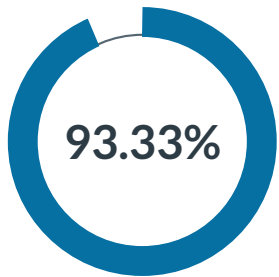


# Results

Gurumanie Dhiman



9.333

Out of 10 points

15:00

Time for this attempt

## Your Answers:

1

9.333 / 10 points

For the following network diagram, fill in the table below. Host B sent a packet to Host A. Assuming the ARP caches are initially clear for Router R1 and Host B, but all other devices have populated tables for this routing scenario, fill in the following table to demonstrate the packet flow of ICMP and ARP protocols.

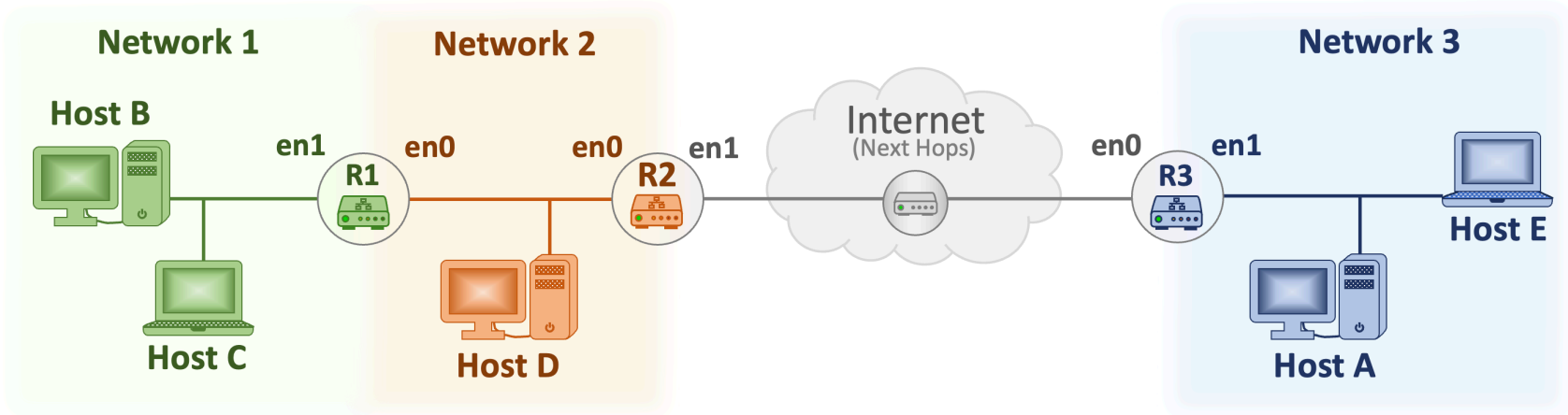


Figure 1: Network diagram for the packet sequencing tables below.

**Caution:** The first and last packets have already been populated in the table for you.

Figure 1: The sequence and roles of packets in the routing process.

Packet	Hardware Address		IP Address		Payload Type
	Destination	Source	Destination	Source	
1	Broadcast	Host B	N/A	N/A	ARP Request
2					

	✓ Host B	✓ R1 en1	✓ N/A	✓ N/A	✓ ARP Reply
3	✓ R1 en1	✓ Host B	✓ Host A	✓ Host B	✓ ICMP Echo Request
4	✓ Broadcast	✓ R1 en0	✓ N/A	✓ N/A	✓ ARP Request
5	✓ R1 en0	✓ R2 en0	✓ N/A	✓ N/A	✓ ARP Reply
6	✓ R2 en0	✓ R1 en0	✓ Host A	✓ Host B	✓ ICMP Echo Request
7	✓ Next Hops	✓ R2 en1	✓ Host A	✓ Host B	✓ ICMP Echo Request
8	✗ Host A	✗ R3 en0	✓ Host A	✓ Host B	✓ ICMP Echo Request
9	✓ Host A	✓ R3 en1	✓ Host A	✓ Host B	✓ ICMP Echo Request
10	✗ Next Hops	✗ R3 en1	✓ Host B	✓ Host A	✓ ICMP Echo Reply
11	✓ Next Hops	✓ R3 en0	✓ Host B	✓ Host A	✓ ICMP Echo Reply
12	✓ R2 en1	✓ Next Hops	✓ Host B	✓ Host A	✓ ICMP Echo Reply
13	✓ R1 en0	✓ R2 en0	✓ Host B	✓ Host A	✓ ICMP Echo Reply
14	Host B	R1 en1	Host B	Host A	ICMP Echo Reply

**Note:** You can drag and drop the correct response to each blank or select the word Answer in each blank for a dropdown with the same option choices.