

## Setup and Questions

Figure 1 shows the setup screen for exercise 1

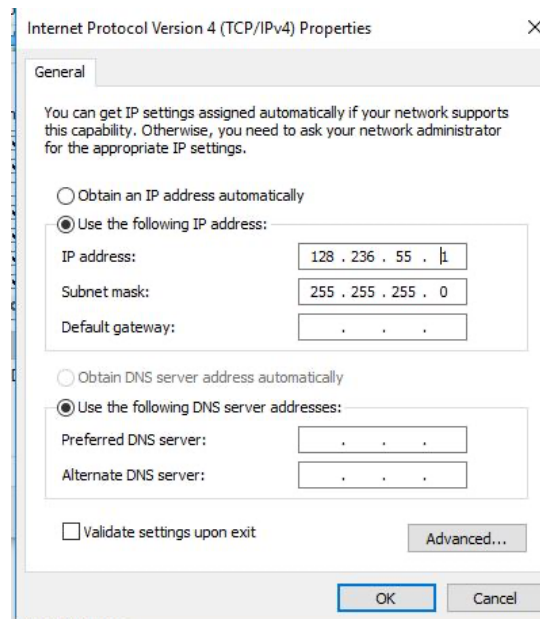


Figure 1

**For Exercise 2 this report is in respect to using computer A1, Host1.**

Figure 3 shows Exercise 2.1 part 2, showing the IP config command in command prompt.

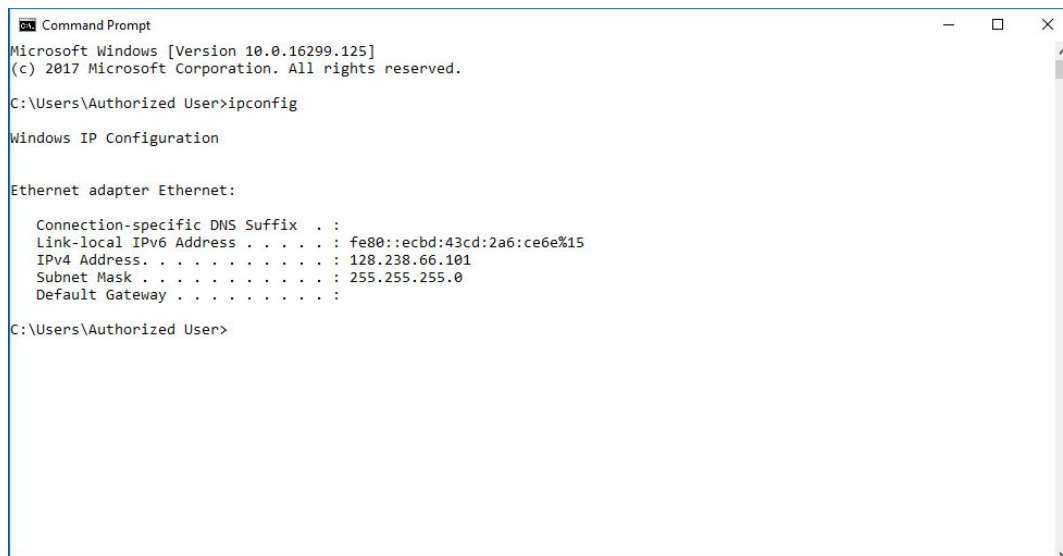


Figure 3

Figure 4 and 5 show Exercise 2.1 part 3, pinging the other hosts IP address.

```
C:\Users\Authorized User>ping 128.238.66.102

Pinging 128.238.66.102 with 32 bytes of data:
Reply from 128.238.66.102: bytes=32 time<1ms TTL=128
Reply from 128.238.66.102: bytes=32 time<1ms TTL=128
Reply from 128.238.66.102: bytes=32 time<1ms TTL=128
Reply from 128.238.66.102: bytes=32 time<1ms TTL=128

Ping statistics for 128.238.66.102:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\Authorized User>
```

Figure 4

31 59.999570	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00 STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8004
32 61.389234	128.238.66.101	128.238.66.102 ICMP	74 Echo (ping) request id=0x0001, seq=499/62209, ttl=128 (reply in 33)
33 61.389884	128.238.66.102	128.238.66.101 ICMP	74 Echo (ping) reply id=0x0001, seq=499/62209, ttl=128 (request in 32)
34 61.999415	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00 STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8004
35 62.397075	128.238.66.101	128.238.66.102 ICMP	74 Echo (ping) request id=0x0001, seq=500/62465, ttl=128 (no response found!)
36 62.397929	128.238.66.102	128.238.66.101 ICMP	74 Echo (ping) reply id=0x0001, seq=500/62465, ttl=128 (request in 35)
37 63.412502	128.238.66.101	128.238.66.102 ICMP	74 Echo (ping) request id=0x0001, seq=501/62721, ttl=128 (reply in 38)
38 63.413368	128.238.66.102	128.238.66.101 ICMP	74 Echo (ping) reply id=0x0001, seq=501/62721, ttl=128 (request in 37)
39 63.999366	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00 STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8004
40 64.417921	128.238.66.101	128.238.66.102 ICMP	74 Echo (ping) request id=0x0001, seq=502/62977, ttl=128 (reply in 41)
41 64.418787	128.238.66.102	128.238.66.101 ICMP	74 Echo (ping) reply id=0x0001, seq=502/62977, ttl=128 (request in 40)
42 66.000197	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00 STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8004
43 66.208567	WistronI_57:52:98	WistronI_57:51:06 ARP	60 Who has 128.238.66.101? Tell 128.238.66.102
44 66.208581	WistronI_57:52:98	WistronI_57:51:06 ARP	42 128.238.66.101 is at 98:ee:cb:57:52:98
45 66.284212	WistronI_57:52:98	WistronI_57:51:06 ARP	42 Who has 128.238.66.102? Tell 128.238.66.101
46 66.285093	WistronI_57:51:06	WistronI_57:52:98 ARP	60 128.238.66.102 is at 98:ee:cb:57:51:06
47 67.998700	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00 STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8004
48 69.998811	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00 STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8004

Figure 5

Q1: Are the two “ping” packets successful?

Yes both ways ping is successful

Q2: In the ping request packet, what is the source IP address? What is the destination IP address?

Source: 128.238.66.101

Destination: 128.238.66.102

Q3: In the reply packet, what is the source IP address? What is the destination IP address?

Source: 128.238.66.102

Destination: 128.238.66.101

Q4: List all IP header fields in the request and reply packets (or take a screenshot of them).

Figure 6 shows the screenshot for request and Figure 7 shows reply

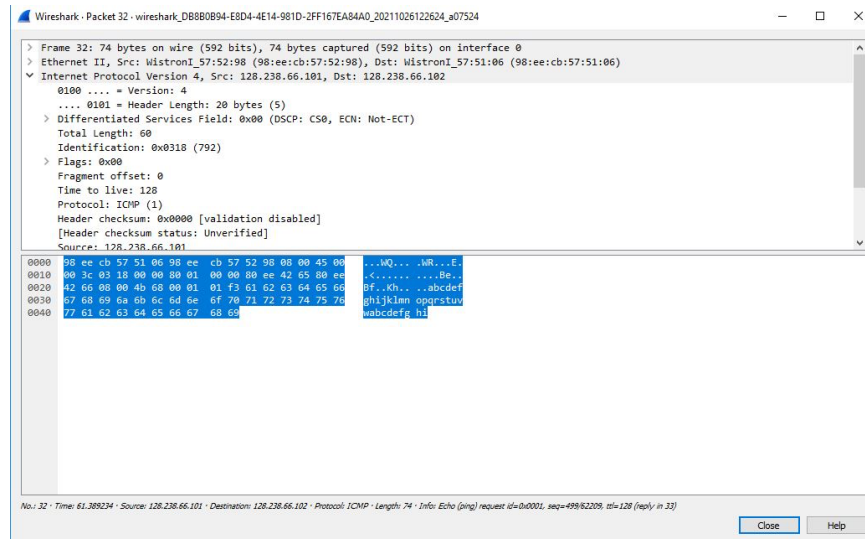


Figure 6

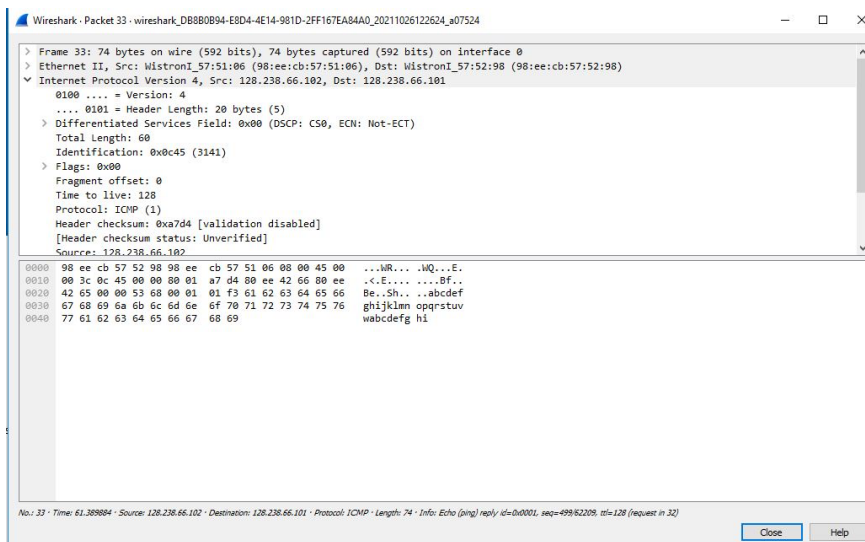


Figure 7

Q5: What is the subnet ID for host 1?

**Network ID: 128.238.66.0**

Q6: What is the subnet ID for host 2?

**Network ID: 128.238.66.0**

Figure 8 and 9 show Exercise 2.2 part 2, pinging the host (after change in Sub Mask)

```

19 18.002708 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
20 20.002535 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
21 22.002381 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
22 24.002208 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
23 26.002919 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
24 28.001955 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
25 30.001837 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
26 32.001660 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
27 34.001496 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
28 36.002415 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
29 38.000961 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
30 40.000798 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
31 42.000688 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
32 44.000764 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
33 46.001444 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
34 48.000481 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
35 50.000305 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
36 52.000161 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
37 53.999977 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
38 56.000665 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
39 57.999463 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
40 59.999454 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004
41 61.999382 Cisco_12:5b:8f Spanning-tree-(for-bridges)_00 STP 60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x0004

```

Figure 8

```

Microsoft Windows [Version 10.0.16299.125]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\Authorized User>ping 128.238.66.102

Pinging 128.238.66.102 with 32 bytes of data:
Reply from 128.238.66.102: bytes=32 time<1ms TTL=128
Reply from 128.238.66.102: bytes=32 time<1ms TTL=128
Reply from 128.238.66.102: bytes=32 time<1ms TTL=128
Reply from 128.238.66.102: bytes=32 time<1ms TTL=128

Ping statistics for 128.238.66.102:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\Authorized User>ping 128.238.66.120

Pinging 128.238.66.120 with 32 bytes of data:
PING: transmit failed. General failure.
PING: transmit failed. General failure.
PING: transmit failed. General failure.
PING: transmit failed. General failure.

Ping statistics for 128.238.66.120:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Users\Authorized User>

```

Figure 9

Q7: What is the subnet ID for each computer?

**Host 1: 128.238.66.96**

**Host 2: 128.238.66.112**

Q8: Are the two ping processes successful?

**Both are unsuccessful due to the change in Network ID (see Figure 8 above)**

Figure 10 shows the pinging of Host 2 from Host 1 in Exercise 2.3.

```

C:\Users\Authorized User>ping 128.238.66.120

Pinging 128.238.66.120 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 128.238.66.120:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Users\Authorized User>

```

Figure 10

Figure 11 shows Exercise 2.3, ping Host 2 with timeout

2	1.999855	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
3	3.999696	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
4	6.000335	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
5	7.999180	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
6	9.999272	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
7	10.185391	128.238.66.101	128.238.66.120	ICMP	74	Echo (ping) request id=0x0001, seq=515/770, ttl=128 (no response found!)		
8	11.999806	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
9	12.382459	128.238.66.120	128.238.66.127	BROWSER	252	Domain/Workgroup Announcement WORKGROUP, NT Workstation, Domain Enum		
10	12.393251	Cisco_12:5b:8c	Broadcast	ARP	60	Who has 128.238.66.127? Tell 128.238.66.1		
11	13.998695	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
12	14.798431	WistronI_57:52:98	WistronI_57:51:06	ARP	42	Who has 128.238.66.120? Tell 128.238.66.101		
13	14.799301	WistronI_57:51:06	WistronI_57:52:98	ARP	60	128.238.66.120 is at 98:ee:cb:57:51:06		
14	14.814137	128.238.66.101	128.238.66.120	ICMP	74	Echo (ping) request id=0x0001, seq=516/1026, ttl=128 (no response found!)		
15	16.004833	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
16	18.002539	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
17	19.814650	128.238.66.101	128.238.66.120	ICMP	74	Echo (ping) request id=0x0001, seq=517/1282, ttl=128 (no response found!)		
18	20.002200	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
19	22.002383	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
20	24.002204	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
21	24.558397	128.238.66.120	128.238.66.127	BROWSER	243	Local Master Announcement BRN312-02, Workstation, Server, NT Workstation, Potential Browser, Master Bro...		
22	24.559241	Cisco_12:5b:8c	Broadcast	ARP	60	Who has 128.238.66.127? Tell 128.238.66.1		
23	24.006426	128.238.66.101	128.238.66.120	ICMP	74	Echo (ping) request id=0x0001, seq=518/1538, ttl=128 (no response found!)		
24	26.002830	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
25	28.001919	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
26	30.001744	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
27	32.001623	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004
28	34.001479	Cisco_12:5b:8f	Spanning-tree-(for-bridges)_00	STP	60	Conf. Root = 32768/0/2c:5a:0f:12:5b:8c	Cost = 0	Port = 0x8004

Figure 11

Figure 12 shows ping Host 1 from Host 2

```

C:\Users\Authorized User>ping 128.238.66.101
'ping128.238.66.101' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Authorized User>ping128.238.66.101
'ping128.238.66.101' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Authorized User>ping 128.238.66.101

Pinging 128.238.66.101 with 32 bytes of data:
PING: transmit failed. General failure.
PING: transmit failed. General failure.
PING: transmit failed. General failure.
PING: transmit failed. General failure.

Ping statistics for 128.238.66.101:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Users\Authorized User>ping 128.238.66.101

Pinging 128.238.66.101 with 32 bytes of data:
PING: transmit failed. General failure.
PING: transmit failed. General failure.
PING: transmit failed. General failure.
PING: transmit failed. General failure.

Ping statistics for 128.238.66.101:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\Users\Authorized User>

```

Figure 12

Figure 13 shows Exercise 2.3, ping Host 1 with failure

1 0.000000	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
2 1.999810	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
3 4.000489	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
4 5.999500	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
5 7.999380	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
6 9.999078	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
7 11.999075	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
8 13.999634	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
9 15.998586	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
10 17.998413	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
11 19.582294	128.238.66.120	128.238.66.127 NBNS	92 Name query NB BRN312-02<1c>
12 19.583071	Cisco_12:5b:8c	Broadcast ARP	60 Who has 128.238.66.127? Tell 128.238.66.1
13 19.998166	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
14 20.326337	128.238.66.120	128.238.66.127 NBNS	92 Name query NB BRN312-02<1c>
15 21.092031	128.238.66.120	128.238.66.127 NBNS	92 Name query NB BRN312-02<1c>
16 21.998323	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
17 24.004224	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
18 26.002047	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
19 28.001917	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
20 30.001795	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
21 32.001538	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
22 34.002255	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
23 36.001305	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
24 38.001092	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
25 40.000972	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
26 42.000681	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
27 44.001341	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
28 46.000622	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
29 48.000506	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
30 50.000324	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
31 52.000169	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
32 54.001145	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
33 55.999895	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
34 57.999719	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002
35 59.999631	Cisco_12:5b:8d	Spanning-tree-(for~ STP	60 Conf. Root = 32768/0/2c:5a:0f:12:5b:8c Cost = 0 Port = 0x8002

Figure 13

Q9: What is the subnet ID for each computer?

**Host 1: 128.238.66.0**

**Host 2: 128.238.66.112**

Q10: Can Host 1 send the ping request? Is the “ping” process successful? Why?

**Yes the request can be sent, however, it is not successful and there is a timeout.**

Q11: Can Host 2 send the ping request? Is the “ping” process successful? Why?

**No. The request is not sent at all, hence, the ping process is unsuccessful.**