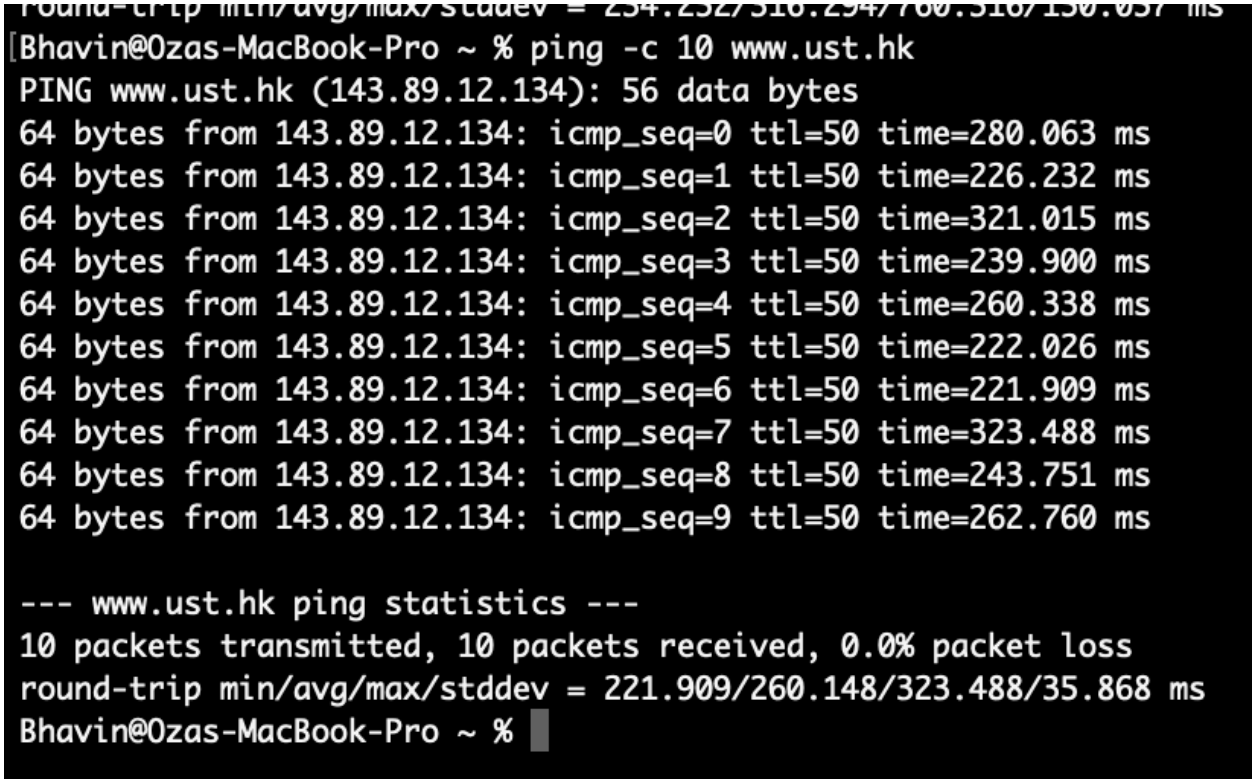
Foundation of Computer Networks - Wireshark Project
Bhavin Oza (bo2115)



1). Source IP: 10.182.164.188
Destination IP: 143.89.12.134

2). ICMP is designed to communicate the network layer information between routers and hosts. The code and type fields help to determine the type of message to be delivered.
All the ICMP messages are interpreted by the network softwares, no port numbers are required.

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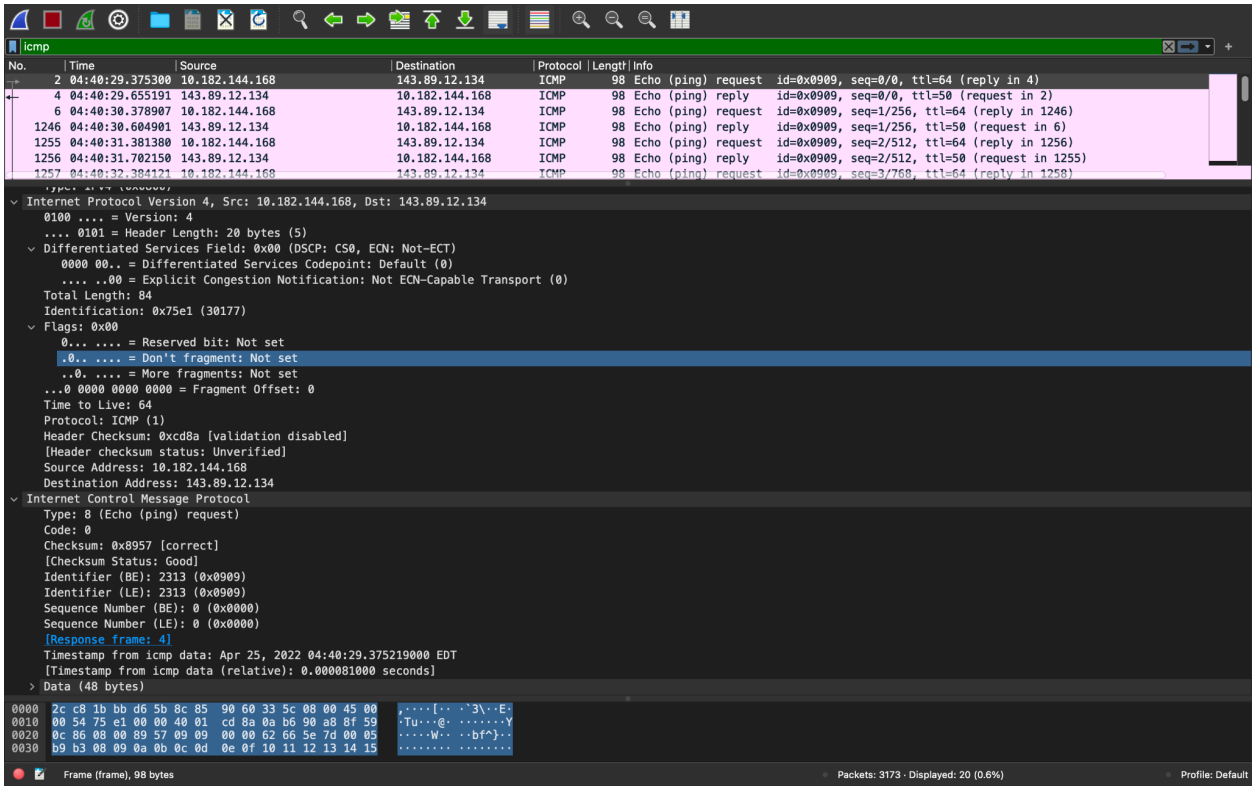

3). ICMP type: 8
Code number: 0
The ICMP packet also has following fields:
Data fields
Checksum -> it is of 2 bytes length
Identifier -> It is of 2 bytes length
Sequence number -> It is of 2 bytes length

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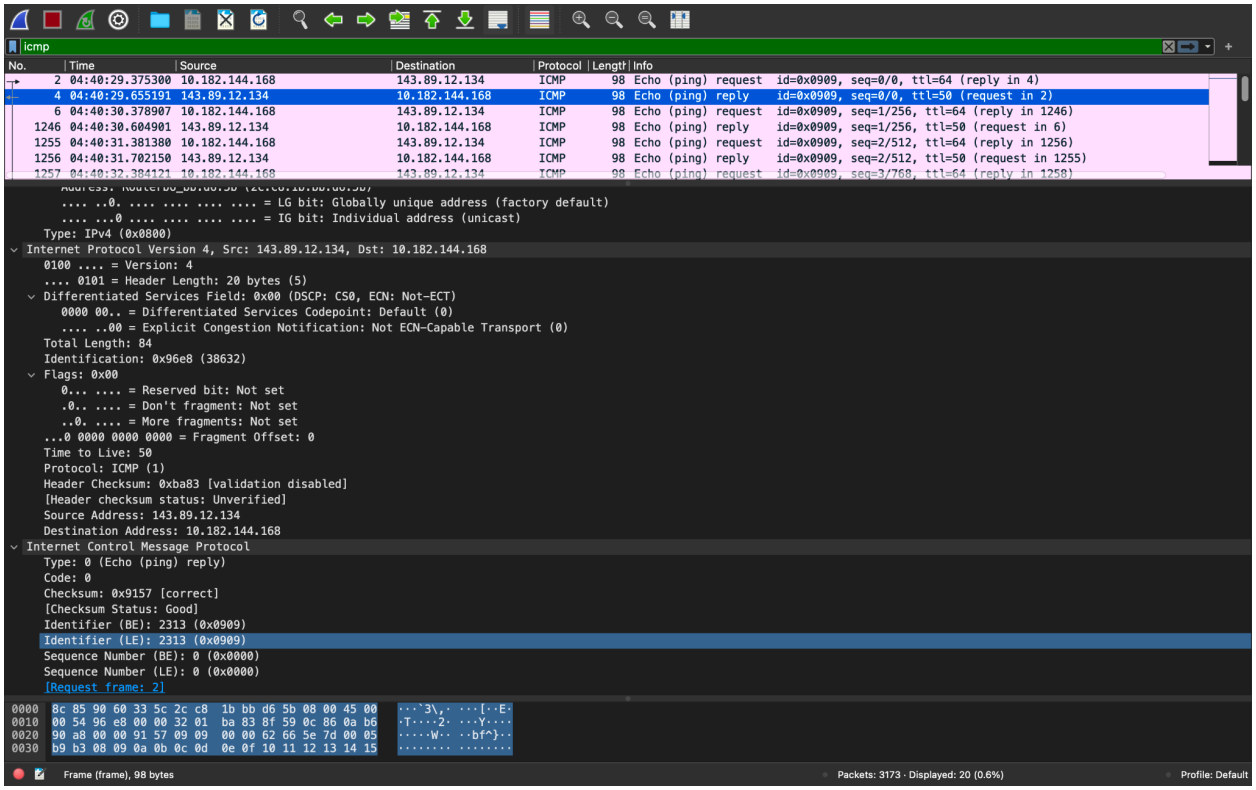

4). ICMP type: 0
Code number: 0
The ICMP packet has following fields:
Checksum -> it is of 2 bytes length
Identifier -> It is of 2 bytes length
Sequence number -> It is of 2 bytes length

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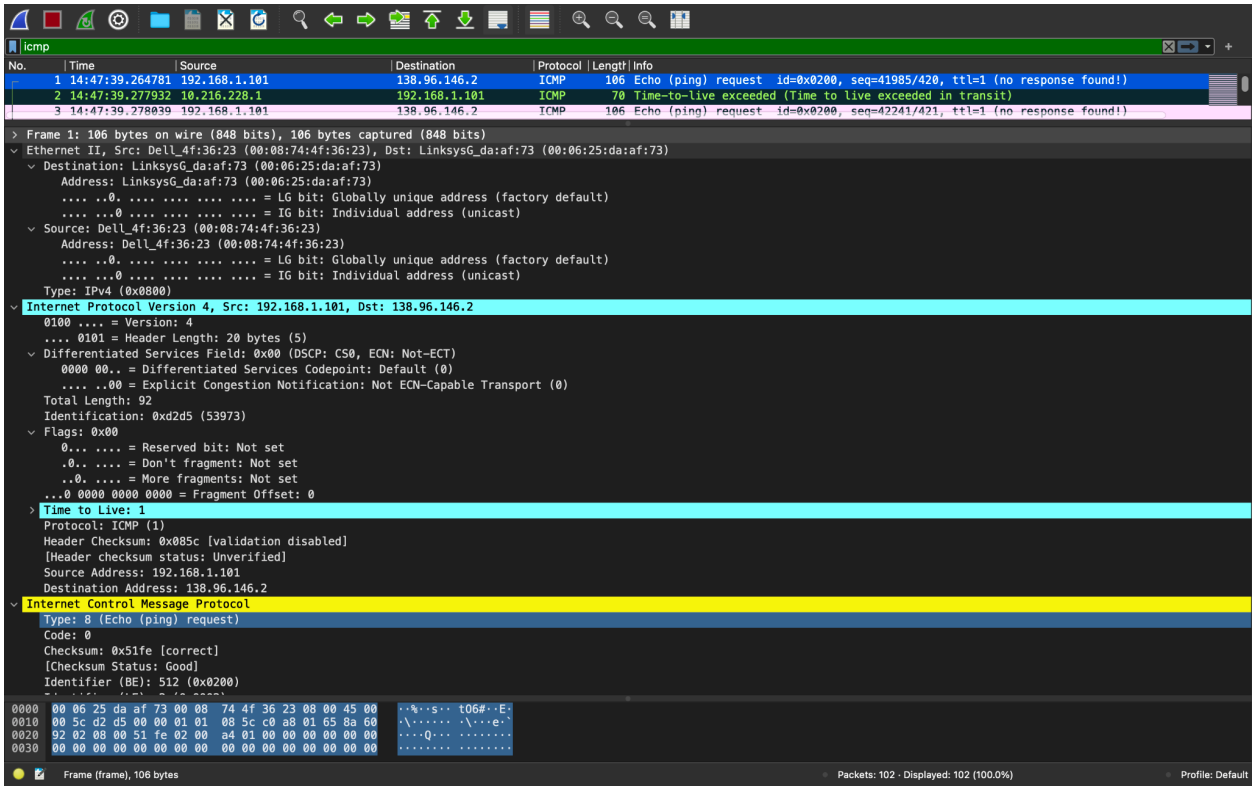

5). Source IP: 192.168.1.101
Destination IP: 138.96.146.2

6). No. The IP protocol number would be for UDP. i.e 17.

7). Both the packets have the same fields.

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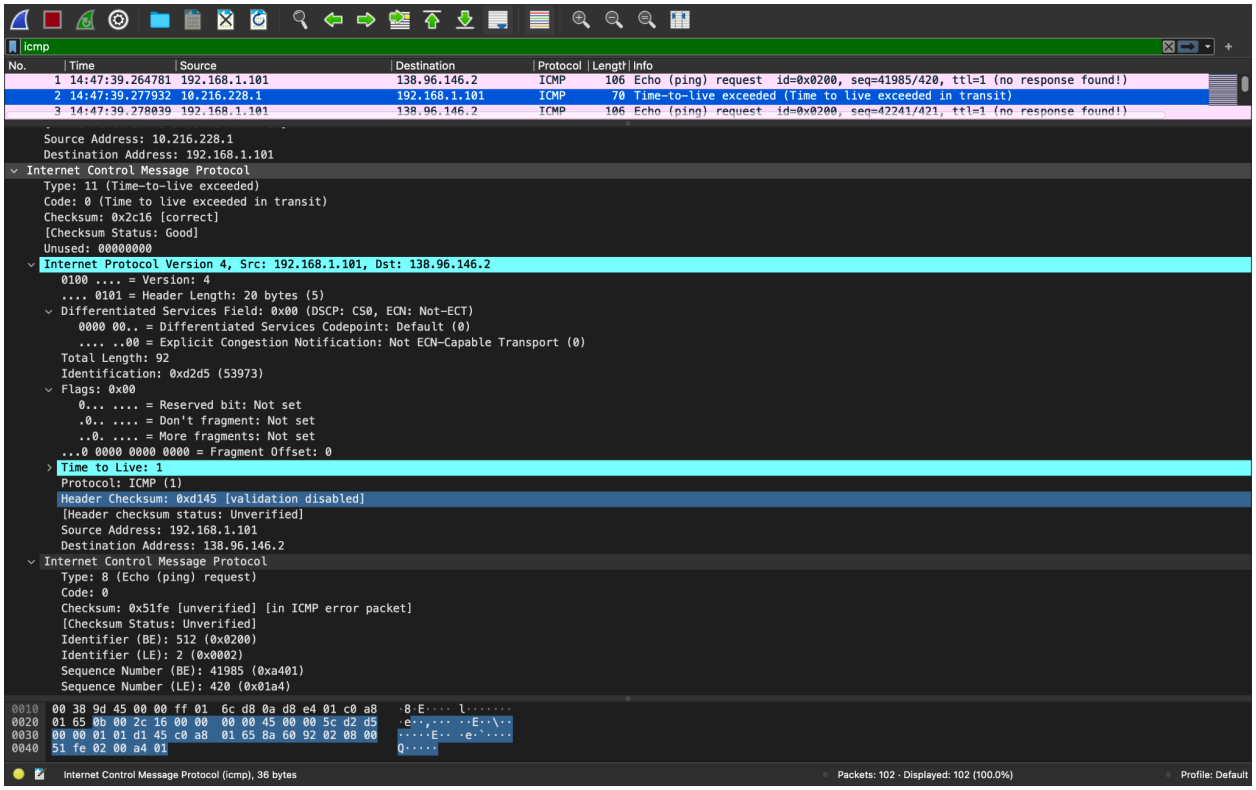
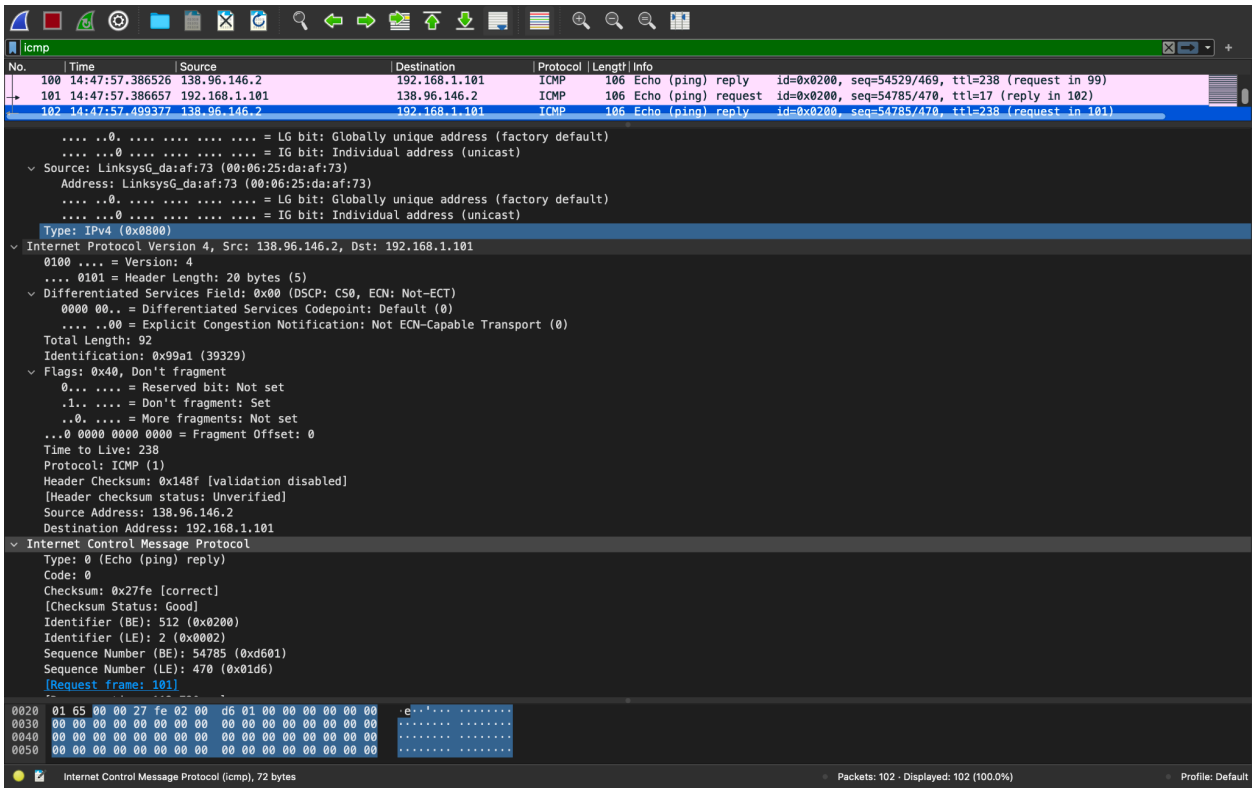


8). The error packet contains the IP header and the first 8 bytes of the original ICMP packet that the error is for.



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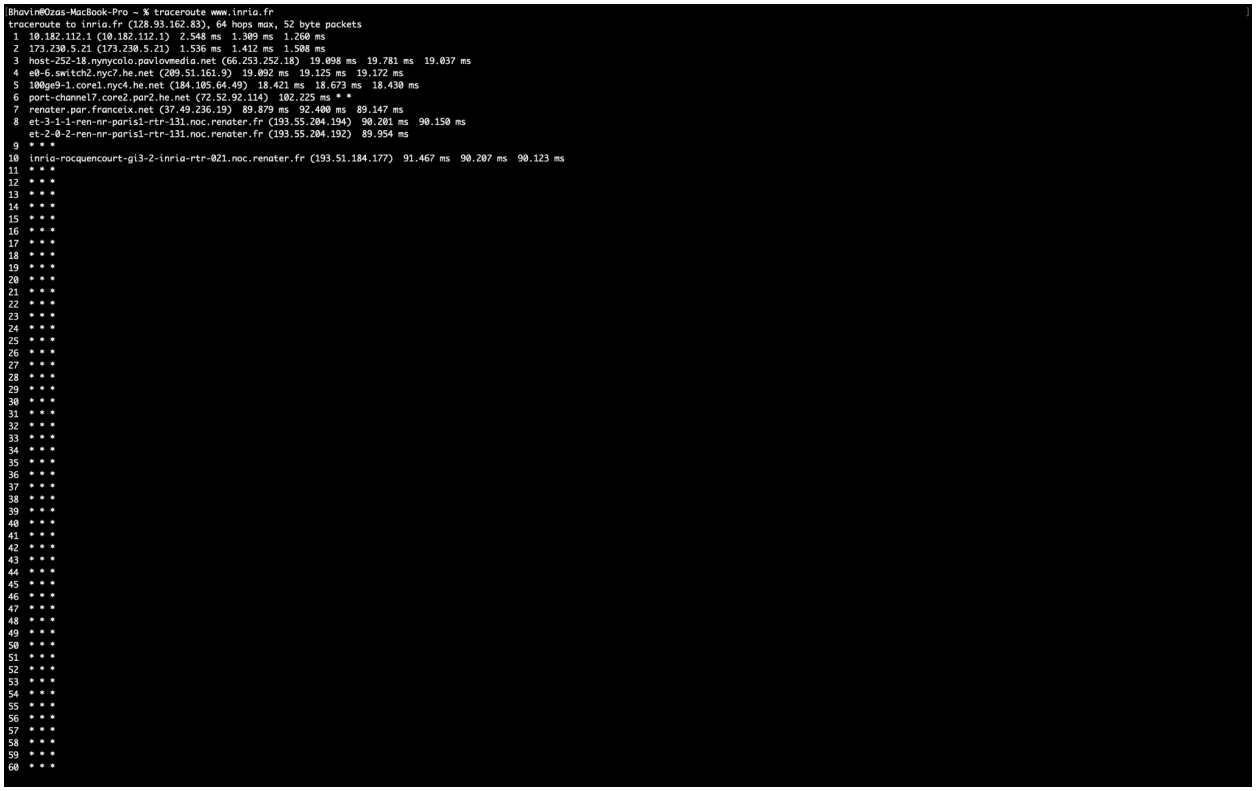
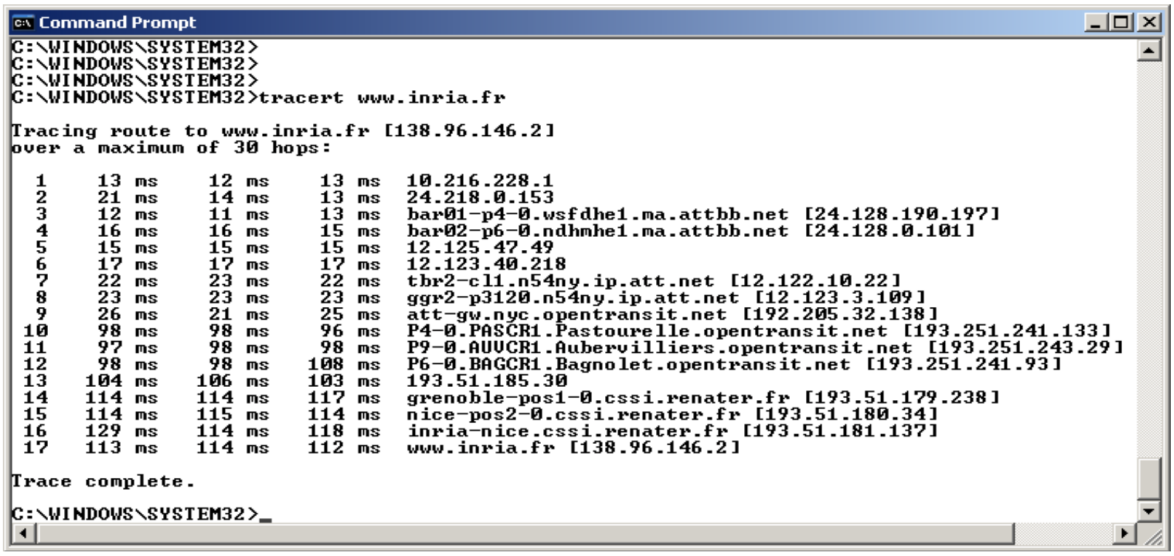
9). The last three ICMP packets have message type 0, instead of 11, because datagrams have reached the destination host before the TTL expired.





10). The above image is fig 4 from the lab pdf file:
There is a link in steps 9 and 10 that has a longer delay.
Also, this is a transatlantic link from NYC to Pastourelle.