ASSIGNMENT 2:

NAME: Stuti Parmar
STUDENT ID: 218516625
EECS 3214

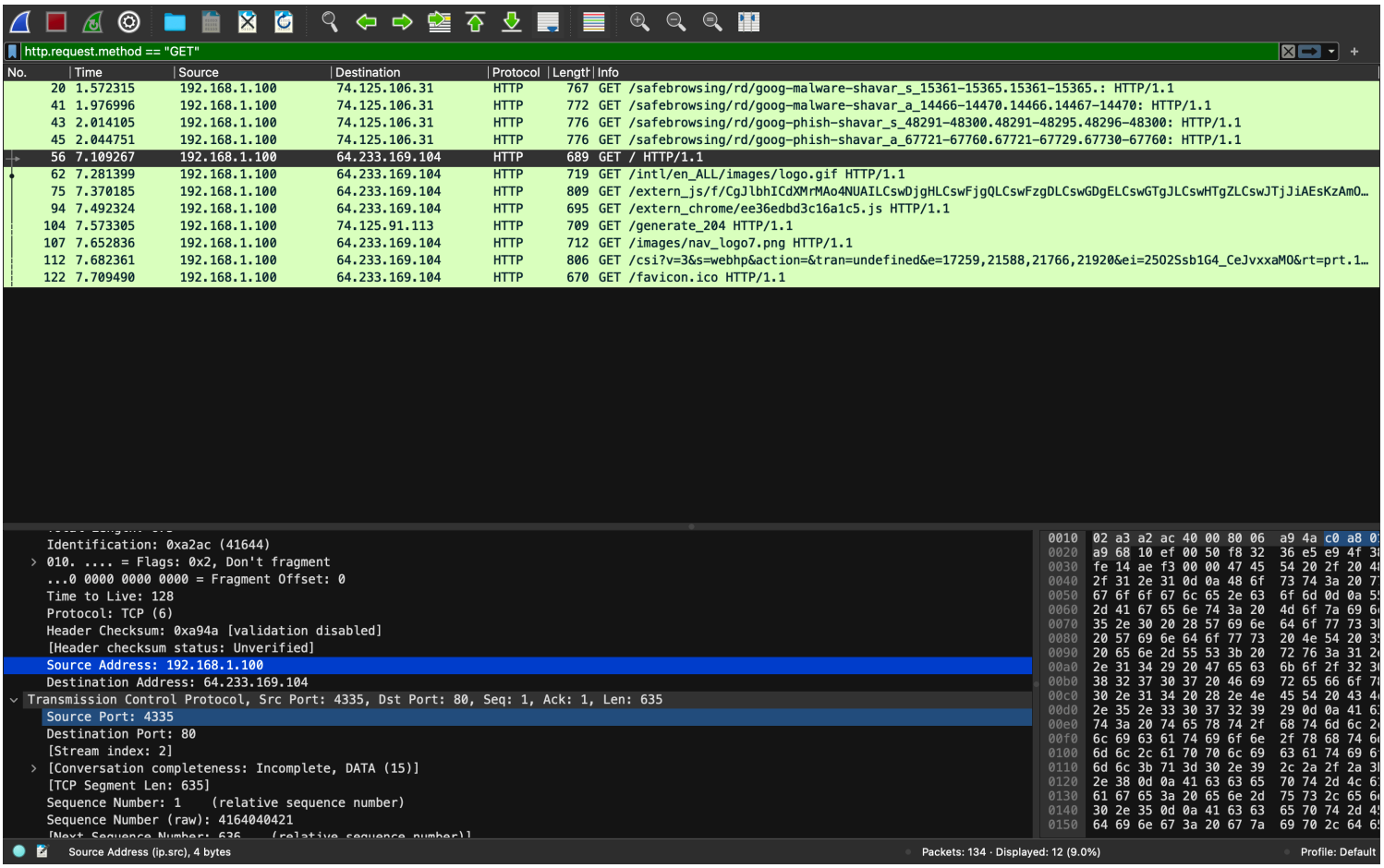
Question 2: Understanding NAT

#2-A

Q.3 At time 7.109267, the source address is: 192.168.1.100 and destination IP address is: 64.233.169.104.

- The source port of TCP is: 4335 and destination port of TCP: 80.

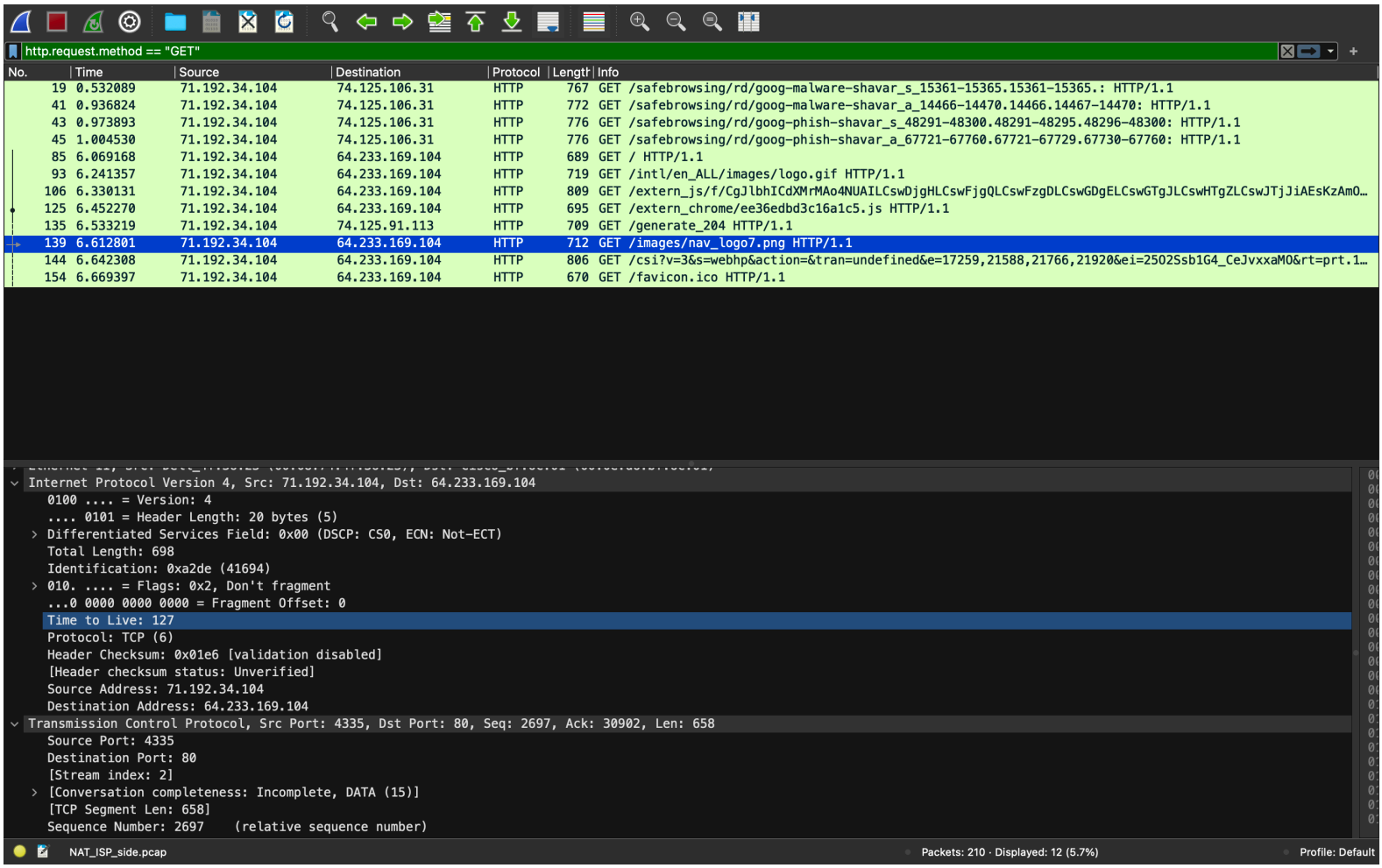
Source IP and port	Destination IP and port
192.168.1.100 and 4335	64.233.169.104 and 80



#2-B

Q.7 Version: This is 4 for IPv4 and remains the same, doesn't change.

- Header Length: 20 bytes (5)
- Flags: window - 65044
- Checksum: 0x3e2b (unverified)
- The Timestamp changed to 6.612801 but the source port and destination port of TCP remains same.
- Header length has not changed and remains the same. If IP options are added or removed.
- Flags can change if the packet is fragmented.
- Checksum has changed. Must change if any other part of the IP header changes, as it is a checksum for the header itself.



#2-C

Q.10

WAN side IP and port	LAN side IP and port
Source Address: 71.192.34.104 Port: 4335	Source Address: 192.168.1.100 Port: 4335