Computer Networks Lab

Week 10

NAT Lab (Lab 7)

John Juele

# Q1



Client IP Address: 192.168.1.100

# Q3

IP Source: 192.168.1.100

Destination IP: 64.233.169.104

Src Port: 4335

Dest Port: 80

# Q4

Time: 7.158797

Source: 64.233.169.104 Port: 80

Destination: 192.168.1.100 Port: 4335

# Q5

Time: 7.075657

Source: 192.168.1.100 Port: 4335

Destination: 64.233.169.104 Port: 80

# Q6

Time: 6.069168

Source: 71.192.34.104 Port: 4335

Destination: 64.233.169.104 Port: 80

Only the source Ip address has changed.

# Q7

HTTP GET message changed?: NO

Header Length changed?: NO

Flags Changed?: NO

Checksum changed?: YES

As the IP Address value has changed, the checksum includes the value of the source IP address, therefore the checksum has changed.

# Q8

Time: 6.308118

Source: 64.233.169.104 Port: 80

Destination: 71.192.34.104 Port: 4335

The destination IP Address has changed

# Q9

Times: 6.035475 and 6.067775

**SYN**

Source**:** 71.192.34.104 Port: 4335

Destination: 64.233.169.104 Port: 80

(Source IP has changed)

**ACK**

Source: 64.233.169.104 Port: 80

Destination: 71.192.34.104 Port: 4335

(Destination IP has changed, port number is changed)