## **66 / 80**

Networks Homework 8

NAT translation table

Problem A

WAN side 192.162.30.79: 8080 172.20.0.3: 80 -4 points

LAN side

a.) Interface 1: 172.20.0.1 Inteface 2: 142.162.30.79

Host A: 172.20.0.2 Host C: 172.70.0.4 Host B: 172.20.0.3

b.) (5: 172.29.0.3, 4x780 D: 3418219.20, 8x 4567

② S: 192./162.30.79, 500× 8080 D: 34.82.19.20, 80× 4567

-8 points

3) 5: 34.182.19.10, 8× 4567 D: 192.16231.79 5001 8080

@ S: 34.18/.19.20,80 4567 D: 172120.0.3, 456× 80

Problem B =

-14 points

a.) no only the Hop IP addresses are

b) 216.58.217.4/ and it is public

() www.google. (on is the alias name and the other address is the Cononical name

2 points 9 routers, b/c the 10th one is the google web server -2 points

e) Initial TTL is 7 and the destination is still 216.58.24.4 fo) The router Ends ICMP messages with the following info: Type: 11 , Code: 9, Source: 192.43.217/170.

destination: Your Computer's IP address 216.58.217.4
9.) The final TTL is 1 and the dest. It is the cuebsoner's It then Sends ICMP messages back with the follows into

type: 3/ . Code: 3/, Source: 216.58.217.4 destination is your Computer's IP address

## Problem C

link 1: DIPV6 DIPL DIPL

link 2: (1) IP V4 (2) IP 3 (3) IP8

link 3: 1 IPU4

(3) IP8

links: 1 Ilu6

@ If1 @ If10