Задача 7.

----------------------------------------------------------------------------

R1#conf t

Enter configuration commands, one per line. End with CNTL/Z.

R1(config)#int f0/0

R1(config-if)#ip addr 10.1.1.1 255.255.255.0

R1(config-if)#no shut

R1(config-if)#

\*Mar 1 00:02:35.243: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up

\*Mar 1 00:02:36.243: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

R1(config-if)#exit

R1(config)#int f0/1

R1(config-if)#ip addr 198.51.100.1 255.255.255.252

R1(config-if)#no shut

R1(config-if)#exit

R1(config)#

\*Mar 1 00:04:16.995: %LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to up

\*Mar 1 00:04:17.995: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

R1(config)#int f0/0

R1(config-if)#ip nat inside

R1(config-if)#exit

\*Mar 1 00:07:54.591: %LINEPROTO-5-UPDOWN: Line protocol on Interface NVI0, changed state to up

R1(config-if)#exit

R1(config)#int f0/1

R1(config-if)#ip nat outside

R1(config-if)#exit

R1(config)#access-list 1 permit 10.1.1.0 0.0.0.255

R1(config)#ip nat inside source list 1 interface f0/1 overload

R1(config)#exit

R1#

\*Mar 1 00:16:17.531: %SYS-5-CONFIG\_I: Configured from console by console

R1#wr

Building configuration...

[OK]

R1#show ip nat trans

R1#show ip nat trans

Pro Inside global Inside local Outside local Outside global

icmp 198.51.100.1:19366 10.1.1.10:19366 198.51.100.2:19366 198.51.100.2:19366

icmp 198.51.100.1:19622 10.1.1.10:19622 198.51.100.2:19622 198.51.100.2:19622

icmp 198.51.100.1:19878 10.1.1.10:19878 198.51.100.2:19878 198.51.100.2:19878

icmp 198.51.100.1:20134 10.1.1.10:20134 198.51.100.2:20134 198.51.100.2:20134

icmp 198.51.100.1:20646 10.1.1.10:20646 198.51.100.2:20646 198.51.100.2:20646

R1#show ip nat trans

Pro Inside global Inside local Outside local Outside global

icmp 198.51.100.1:51622 10.1.1.10:51622 198.51.100.2:51622 198.51.100.2:51622

icmp 198.51.100.1:51878 10.1.1.10:51878 198.51.100.2:51878 198.51.100.2:51878

icmp 198.51.100.1:52134 10.1.1.10:52134 198.51.100.2:52134 198.51.100.2:52134

icmp 198.51.100.1:52390 10.1.1.10:52390 198.51.100.2:52390 198.51.100.2:52390

icmp 198.51.100.1:52646 10.1.1.10:52646 198.51.100.2:52646 198.51.100.2:52646

icmp 198.51.100.1:49318 10.1.1.11:49318 198.51.100.2:49318 198.51.100.2:49318

icmp 198.51.100.1:49574 10.1.1.11:49574 198.51.100.2:49574 198.51.100.2:49574

icmp 198.51.100.1:49830 10.1.1.11:49830 198.51.100.2:49830 198.51.100.2:49830

icmp 198.51.100.1:50086 10.1.1.11:50086 198.51.100.2:50086 198.51.100.2:50086

icmp 198.51.100.1:50598 10.1.1.11:50598 198.51.100.2:50598 198.51.100.2:50598

R1#

PC1> ip 10.1.1.10 255.255.255.0

Checking for duplicate address...

PC1 : 10.1.1.10 255.255.255.0

PC1> ip 10.1.1.10 255.255.255.0 gateway 10.1.1.1

Checking for duplicate address...

PC1 : 10.1.1.10 255.255.255.0 gateway 10.1.1.1

PC1> show ip

NAME : PC1[1]

IP/MASK : 10.1.1.10/24

GATEWAY : 10.1.1.1

DNS :

MAC : 00:50:79:66:68:00

LPORT : 10014

RHOST:PORT : 127.0.0.1:10015

MTU: : 1500

PC1> ping 198.51.100.2

198.51.100.2 icmp\_seq=1 timeout

84 bytes from 198.51.100.2 icmp\_seq=2 ttl=63 time=60.428 ms

84 bytes from 198.51.100.2 icmp\_seq=3 ttl=63 time=61.025 ms

84 bytes from 198.51.100.2 icmp\_seq=4 ttl=63 time=60.298 ms

84 bytes from 198.51.100.2 icmp\_seq=5 ttl=63 time=60.274 ms

PC1> ping 198.51.100.2

84 bytes from 198.51.100.2 icmp\_seq=1 ttl=63 time=45.283 ms

84 bytes from 198.51.100.2 icmp\_seq=2 ttl=63 time=60.346 ms

84 bytes from 198.51.100.2 icmp\_seq=3 ttl=63 time=60.937 ms

84 bytes from 198.51.100.2 icmp\_seq=4 ttl=63 time=60.898 ms

84 bytes from 198.51.100.2 icmp\_seq=5 ttl=63 time=60.893 ms

PC1> ping 198.51.100.2

84 bytes from 198.51.100.2 icmp\_seq=1 ttl=63 time=60.795 ms

84 bytes from 198.51.100.2 icmp\_seq=2 ttl=63 time=60.926 ms

84 bytes from 198.51.100.2 icmp\_seq=3 ttl=63 time=60.836 ms

84 bytes from 198.51.100.2 icmp\_seq=4 ttl=63 time=60.917 ms

84 bytes from 198.51.100.2 icmp\_seq=5 ttl=63 time=60.864 ms

PC1> ping 198.51.100.2

84 bytes from 198.51.100.2 icmp\_seq=1 ttl=63 time=60.389 ms

84 bytes from 198.51.100.2 icmp\_seq=2 ttl=63 time=60.457 ms

84 bytes from 198.51.100.2 icmp\_seq=3 ttl=63 time=60.723 ms

84 bytes from 198.51.100.2 icmp\_seq=4 ttl=63 time=60.466 ms

84 bytes from 198.51.100.2 icmp\_seq=5 ttl=63 time=60.792 ms

PC1>

PC2> ip 10.1.1.11 255.255.255.0 gateway 10.1.1.1

Checking for duplicate address...

PC1 : 10.1.1.11 255.255.255.0 gateway 10.1.1.1

PC2> show ip

NAME : PC2[1]

IP/MASK : 10.1.1.11/24

GATEWAY : 10.1.1.1

DNS :

MAC : 00:50:79:66:68:01

LPORT : 10016

RHOST:PORT : 127.0.0.1:10017

MTU: : 1500

PC2> ping 198.51.100.2

84 bytes from 198.51.100.2 icmp\_seq=1 ttl=63 time=60.333 ms

84 bytes from 198.51.100.2 icmp\_seq=2 ttl=63 time=60.840 ms

84 bytes from 198.51.100.2 icmp\_seq=3 ttl=63 time=60.940 ms

84 bytes from 198.51.100.2 icmp\_seq=4 ttl=63 time=60.359 ms

84 bytes from 198.51.100.2 icmp\_seq=5 ttl=63 time=60.294 ms

PC2>

PC3> ip 10.1.1.12 255.255.255.0 gateway 10.1.1.1

Checking for duplicate address...

PC1 : 10.1.1.12 255.255.255.0 gateway 10.1.1.1

PC3> show ip

NAME : PC3[1]

IP/MASK : 10.1.1.12/24

GATEWAY : 10.1.1.1

DNS :

MAC : 00:50:79:66:68:02

LPORT : 10018

RHOST:PORT : 127.0.0.1:10019

MTU: : 1500

PC3>

Server> ip 198.51.100.2 255.255.255.252 gateway 198.51.100.1

Checking for duplicate address...

PC1 : 198.51.100.2 255.255.255.252 gateway 198.51.100.1

Server> show ip

NAME : Server[1]

IP/MASK : 198.51.100.2/30

GATEWAY : 198.51.100.1

DNS :

MAC : 00:50:79:66:68:03

LPORT : 10020

RHOST:PORT : 127.0.0.1:10021

MTU: : 1500

Server> ping 10.1.1.10

10.1.1.10 icmp\_seq=1 timeout

10.1.1.10 icmp\_seq=2 timeout

10.1.1.10 icmp\_seq=3 timeout

10.1.1.10 icmp\_seq=4 timeout

10.1.1.10 icmp\_seq=5 timeout