

Задача 5.

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PC2> ip dhcp
DDORA IP 192.168.0.4/24 GW 192.168.0.1
PC2> ping 192.168.1.3
84 bytes from 192.168.1.3 icmp_seq=1 ttl=62 time=71.929 ms
84 bytes from 192.168.1.3 icmp_seq=2 ttl=62 time=18.206 ms
84 bytes from 192.168.1.3 icmp_seq=3 ttl=62 time=24.191 ms
84 bytes from 192.168.1.3 icmp_seq=4 ttl=62 time=20.798 ms
84 bytes from 192.168.1.3 icmp_seq=5 ttl=62 time=29.400 ms
PC2> ping 192.168.1.2
84 bytes from 192.168.1.2 icmp_seq=1 ttl=62 time=35.785 ms
84 bytes from 192.168.1.2 icmp_seq=2 ttl=62 time=16.223 ms
84 bytes from 192.168.1.2 icmp_seq=3 ttl=62 time=20.693 ms
84 bytes from 192.168.1.2 icmp_seq=4 ttl=62 time=22.096 ms
84 bytes from 192.168.1.2 icmp_seq=5 ttl=62 time=28.247 ms
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R2(config)#int f0/0
R2(config-if)#ip address 192.168.1.1 255.255.255.0
R2(config-if)#no shut
R2(config-if)#exit
R2(config)#
*Mar 1 00:26:11.639: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up
*Mar 1 00:26:12.639: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
R2(config)#int s0/0
R2(config-if)#ip address 192.168.3.1 255.255.255.252
R2(config-if)#no shut
R2(config-if)#exit
R2(config)#
*Mar 1 00:27:05.763: %LINK-3-UPDOWN: Interface Serial0/0, changed state to up
*Mar 1 00:27:06.763: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed state to up
R2(config)#int f0/1
R2(config-if)#ip address 192.168.2.1 255.255.255.0
R2(config-if)#no shut
R2(config-if)#exit
R2(config)#
*Mar 1 00:28:19.923: %LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to up
*Mar 1 00:28:20.923: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
R2(config)#ip dhcp pool p2
R2(dhcp-config)#exit
R2(config)#int s0/0
R2(config-if)#ip address 192.168.3.2 255.255.255.252
R2(config-if)#no shut
R2(config-if)#exit
R2(config)#ip dhcp pool p2
R2(dhcp-config)#network 192.168.1.0 255.255.255.0
R2(dhcp-config)#default-router 192.168.1.1
R2(dhcp-config)#exit
R2(config)#ip dhcp pool p3
R2(dhcp-config)#network 192.168.2.0 255.255.255.0
R2(dhcp-config)#default-router 192.168.2.1
R2(dhcp-config)#exit
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R2(config)#write

^

% Invalid input detected at '^' marker.

R2(config)#exit

R2#w

*Mar 1 00:35:35.647: %SYS-5-CONFIG_I: Configured from console by console

R2#write

Building configuration...

[OK]

R2#show ip route

Codes: C - connected, S - static, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2

i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2

ia - IS-IS inter area, * - candidate default, U - per-user static route

o - ODR, P - periodic downloaded static route

Gateway of last resort is not set

C 192.168.1.0/24 is directly connected, FastEthernet0/0

C 192.168.2.0/24 is directly connected, FastEthernet0/1

192.168.3.0/30 is subnetted, 1 subnets

C 192.168.3.0 is directly connected, Serial0/0

R2#conf t

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

R2(config)#router rip

R2(config-router)#ver 2

R2(config-router)#network 192.168.1.0

R2(config-router)#network 192.168.2.0

R2(config-router)#network 192.168.3.0

R2(config-router)#exit

R2(config)#exit

R2#w

*Mar 1 00:46:23.515: %SYS-5-CONFIG_I: Configured from console by console

R2#wr

Building configuration...

[OK]

R2#show ip route

Codes: C - connected, S - static, R - RIP, M - mobile, B - BGP

D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area

N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

E1 - OSPF external type 1, E2 - OSPF external type 2

i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2

ia - IS-IS inter area, * - candidate default, U - per-user static route

o - ODR, P - periodic downloaded static route

Gateway of last resort is not set

R 192.168.0.0/24 [120/1] via 192.168.3.1, 00:00:20, Serial0/0

C 192.168.1.0/24 is directly connected, FastEthernet0/0

C 192.168.2.0/24 is directly connected, FastEthernet0/1

192.168.3.0/30 is subnetted, 1 subnets

C 192.168.3.0 is directly connected, Serial0/0

R2#

R1(config)#interface f0/0

R1(config-if)#ip address 192.168.0.1 255.255.255.0

R1(config-if)#no shut

R1(config-if)#exit

R1(config)#

*Mar 1 00:18:46.339: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up

*Mar 1 00:18:47.339: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

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R1(config)#int s0/0
R1(config-if)#ip addr 192.168.3.1 255.255.255.252
R1(config-if)#no shut
R1(config-if)#exit
*Mar 1 00:19:52.143: %LINK-3-UPDOWN: Interface Serial0/0, changed state to up
*Mar 1 00:19:53.143: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed state to up
R1(config-if)#exit
R1(config)#ip dhcp pool p1
R1(dhcp-config)#
*Mar 1 00:20:22.751: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed state to down
R1(dhcp-config)#network 192.168.0.0 255.255.255.0
R1(dhcp-config)#default-router 192.168.0.1
R1(dhcp-config)#exit
R1(config)#ip dhcp pool p1
R1(dhcp-config)#exit
R1(config)#wr
% Incomplete command.
R1(config)#ip dhcp pool p1
R1(dhcp-config)#wr
      ^
% Invalid input detected at '^' marker.
R1(dhcp-config)#exit
R1(config)#write
      ^
% Invalid input detected at '^' marker.
R1(config)#exit
R1#
*Mar 1 00:24:28.183: %SYS-5-CONFIG_I: Configured from console by console
R1#write
Building configuration...
[OK]
R1#
*Mar 1 00:27:22.751: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/0, changed state to up
R1#show ip route
Codes: C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
       ia - IS-IS inter area, * - candidate default, U - per-user static route
       o - ODR, P - periodic downloaded static route
Gateway of last resort is not set
C    192.168.0.0/24 is directly connected, FastEthernet0/0
    192.168.3.0/30 is subnetted, 1 subnets
C      192.168.3.0 is directly connected, Serial0/0
R1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#router rip
R1(config-router)#ver 2
R1(config-router)#network 192.168.0.0
R1(config-router)#network 192.168.3.0
R1(config-router)#exit
R1(config)#exit
R1#wr
*Mar 1 00:45:33.703: %SYS-5-CONFIG_I: Configured from console by console
R1#write
Building configuration...
[OK]
R1#show ip route
Codes: C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2

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E1 - OSPF external type 1, E2 - OSPF external type 2
i - IS-IS, su - IS-IS summary, L1 - IS-IS level-1, L2 - IS-IS level-2
ia - IS-IS inter area, * - candidate default, U - per-user static route
o - ODR, P - periodic downloaded static route

Gateway of last resort is not set

C 192.168.0.0/24 is directly connected, FastEthernet0/0
R 192.168.1.0/24 [120/1] via 192.168.3.2, 00:00:00, Serial0/0
R 192.168.2.0/24 [120/1] via 192.168.3.2, 00:00:00, Serial0/0
192.168.3.0/30 is subnetted, 1 subnets
C 192.168.3.0 is directly connected, Serial0/0
R1#