Лабораториска вежба бр. 7	**GNS3 рутирање**		
Име и презиме	Индекс	Група	Датум
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01. Како изгледа рутирачката табела на рутерот F?

```
R_F#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

     172.16.0.0/24 is subnetted, 3 subnets
C       172.16.50.0 is directly connected, Serial0/1
C       172.16.40.0 is directly connected, Serial0/0
C       172.16.10.0 is directly connected, FastEthernet1/0
R_F#
```

R_A		
172.16.10.0	255.255.255.0	172.16.20.1
172.16.30.0	255.255.255.0	172.16.20.1
172.16.40.0	255.255.255.0	172.16.20.1
172.16.50.0	255.255.255.0	172.16.20.1
172.16.70.0	255.255.255.0	172.16.20.1
172.16.80.0	255.255.255.0	172.16.20.1
172.16.90.0	255.255.255.0	172.16.20.1
R_B		
172.16.10.0	255.255.255.0	172.16.30.1
172.16.20.0	255.255.255.0	172.16.30.1
172.16.40.0	255.255.255.0	172.16.30.1
172.16.50.0	255.255.255.0	172.16.30.1
172.16.60.0	255.255.255.0	172.16.30.1
172.16.80.0	255.255.255.0	172.16.30.1
R_C		
172.16.10.0	255.255.255.0	172.16.40.1
172.16.20.0	255.255.255.0	172.16.40.1
172.16.30.0	255.255.255.0	172.16.40.1
172.16.50.0	255.255.255.0	172.16.40.1
172.16.60.0	255.255.255.0	172.16.40.1

172.16.70.0	255.255.255.0	172.16.40.1
R_D		
172.16.10.0	255.255.255.0	172.16.50.1
172.16.20.0	255.255.255.0	172.16.50.1
172.16.30.0	255.255.255.0	172.16.50.1
172.16.40.0	255.255.255.0	172.16.50.1
172.16.60.0	255.255.255.0	172.16.50.1
172.16.70.0	255.255.255.0	172.16.50.1
R_E		
172.16.40.0	255.255.255.0	172.16.10.2
172.16.50.0	255.255.255.0	172.16.10.2
172.16.60.0	255.255.255.0	172.16.20.2
172.16.70.0	255.255.255.0	172.16.30.2
172.16.80.0	255.255.255.0	172.16.10.2
R_F		
172.16.20.0	255.255.255.0	172.16.10.1
172.16.30.0	255.255.255.0	172.16.10.1
172.16.60.0	255.255.255.0	172.16.10.1
172.16.70.0	255.255.255.0	172.16.10.1
172.16.80.0	255.255.255.0	172.16.40.1

02. Како изгледа рутирачката табела на рутерот R_E?

```
R_E#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

     172.16.0.0/24 is subnetted, 9 subnets
S       172.16.60.0 [1/0] via 172.16.20.2
S       172.16.50.0 [1/0] via 172.16.10.2
S       172.16.40.0 [1/0] via 172.16.10.2
C       172.16.30.0 is directly connected, Serial0/1
C       172.16.20.0 is directly connected, Serial0/0
C       172.16.10.0 is directly connected, FastEthernet1/0
S       172.16.90.0 [1/0] via 172.16.10.2
S       172.16.80.0 [1/0] via 172.16.10.2
S       172.16.70.0 [1/0] via 172.16.30.2
R_E#
```

03. Излезот од ping командата од домаќинот H_E до 172.16.10.1 е?

```
ping 172.16.10.1
84 bytes from 172.16.10.1 icmp_seq=1 ttl=254 time=45.161 ms
84 bytes from 172.16.10.1 icmp_seq=2 ttl=254 time=45.495 ms
84 bytes from 172.16.10.1 icmp_seq=3 ttl=254 time=46.402 ms
84 bytes from 172.16.10.1 icmp_seq=4 ttl=254 time=45.292 ms
84 bytes from 172.16.10.1 icmp_seq=5 ttl=254 time=46.221 ms
```

04. Излезот од ping командата од рутерот R_A до 172.16.90.1 е?

```
R_A#ping 172.16.90.1

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 172.16.90.1, timeout is 2 seconds:
.!!!!
Success rate is 80 percent (4/5), round-trip min/avg/max = 120/125/136 ms
R_A#
```

05. Конфигурацијата на R_A е:

ip route 0.0.0.0 0.0.0.0 172.16.20.1
ip classless

06. Конфигурацијата на R_B е:

ip route 0.0.0.0 0.0.0.0 172.16.30.1
ip classless

07. Конфигурацијата на R_C е:

ip route 0.0.0.0 0.0.0.0 172.16.40.1
ip classless

08. Конфигурацијата на R_D е:

ip route 0.0.0.0 0.0.0.0 172.16.50.1
ip classless

09. Како изгледа рутирачката табела на A?

```
     172.16.0.0/24 is subnetted, 2 subnets
C       172.16.60.0 is directly connected, FastEthernet1/0
C       172.16.20.0 is directly connected, Serial0/0
S*   0.0.0.0/0 [1/0] via 172.16.20.1
R_A#
```

10. Излезот од ping командата од H_E до 172.16.50.2 е?

```
ping 172.16.50.2
84 bytes from 172.16.50.2 icmp_seq=1 ttl=252 time=107.656 ms
84 bytes from 172.16.50.2 icmp_seq=2 ttl=252 time=105.696 ms
84 bytes from 172.16.50.2 icmp_seq=3 ttl=252 time=105.751 ms
84 bytes from 172.16.50.2 icmp_seq=4 ttl=252 time=106.139 ms
84 bytes from 172.16.50.2 icmp_seq=5 ttl=252 time=105.326 ms

H_E>
```

11. Како изгледа конфигурацијата со RIP за рутерот B?

router rip
network 172.16.30.0
network 172.16.70.0

12. Запишете како изгледа рутирачката табела за рутерот C.

```
     172.16.0.0/24 is subnetted, 9 subnets
R       172.16.60.0 [120/3] via 172.16.40.1, 00:00:19, Serial0/0
R       172.16.50.0 [120/1] via 172.16.40.1, 00:00:19, Serial0/0
C       172.16.40.0 is directly connected, Serial0/0
R       172.16.30.0 [120/2] via 172.16.40.1, 00:00:19, Serial0/0
R       172.16.20.0 [120/2] via 172.16.40.1, 00:00:19, Serial0/0
R       172.16.10.0 [120/1] via 172.16.40.1, 00:00:19, Serial0/0
R       172.16.90.0 [120/2] via 172.16.40.1, 00:00:19, Serial0/0
C       172.16.80.0 is directly connected, FastEthernet1/0
R       172.16.70.0 [120/3] via 172.16.40.1, 00:00:21, Serial0/0
R_C#
```