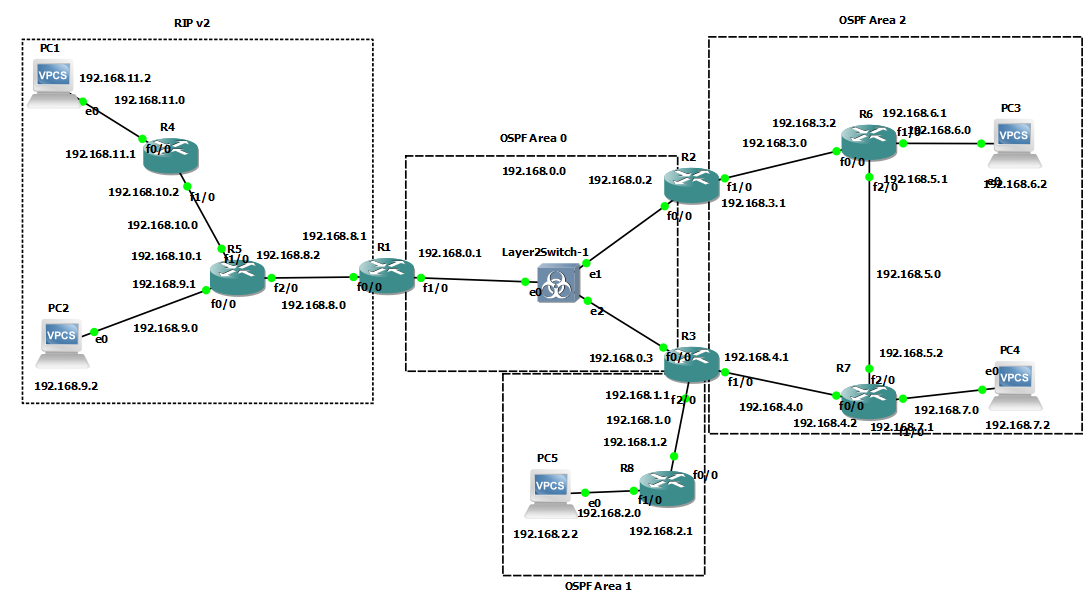
Схема:



R4:

R4#conf t

R4(config)#interface FastEthernet0/0

R4(config-if)#ip address 192.168.11.1 255.255.255.0

R4(config-if)#no shutdown

R4(config)#interface FastEthernet1/0

R4(config-if)#ip address 192.168.10.2 255.255.255.0

R4(config-if)#no shutdown

R4#conf t

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

R4(config)#router rip

R4(config-router)#version 2

R4(config-router)#network 192.168.11.0

R4(config-router)#network 192.168.10.0

R4(config-router)#no auto-summary

R5#conf t

R5(config)#interface FastEthernet0/0

R5(config-if)#ip address 192.168.9.1 255.255.255.0

R5(config-if)#no shutdown

R5(config-if)#interface FastEthernet1/0

R5(config-if)#ip address 192.168.10.1 255.255.255.0

R5(config-if)#no shutdown

R5(config-if)#interface FastEthernet2/0

R5(config-if)#ip address 192.168.8.2 255.255.255.0

R5(config-if)#no shutdown

R5#conf t

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

R5(config)#router rip

R5(config-router)#version 2

R5(config-router)#network 192.168.8.0

R5(config-router)#network 192.168.10.0

R5(config-router)#network 192.168.9.0

R5(config-router)#no auto-summary

R1#conf t

R1(config)#interface fastEthernet 0/0

R1(config-if)#ip address 192.168.8.1 255.255.255.0

R1(config)#no shutdown

R1(config-if)#interface fastEthernet 1/0

R1(config-if)#ip address 192.168.0.1 255.255.255.0

R1(config)#no shutdown

R1#conf t

R1(config)#router rip

R1(config-router)#version 2

R1(config-router)#network 192.168.8.0

R1(config)#router ospf 1

R1(config-router)#router-id 192.168.0.1

R1(config-router)#network 192.168.0.0 0.0.0.255 area 0

R1#conf t

R1(config)#router ospf 1

R1(config-router)#redistribute rip subnets metric 100

R1(config-router)#router rip

R1(config-router)#redistribute ospf 1 metric 5

R3#conf t

R3(config)#interface fastEthernet 0/0

R3(config-if)#ip address 192.168.0.3 255.255.255.0

R3(config)#no shutdown

R3(config-if)#interface fastEthernet 1/0

R3(config-if)#ip address 192.168.4.1 255.255.255.0

R3(config)#no shutdown

R3(config-if)#interface fastEthernet 2/0

R3(config-if)#ip address 192.168.1.1 255.255.255.0

R3(config)#no shutdown

R3#conf t

R3(config)#router ospf 1

R3(config-router)#router-id 192.168.0.3

R3(config-router)#network 192.168.0.0 0.0.0.255 area 0

R3(config-router)#network 192.168.1.0 0.0.0.255 area 1

R3(config-router)#network 192.168.4.0 0.0.0.255 area 2

R3(config-router)#area 1 stub no-summary

R2#conf t

R2(config)#interface fastEthernet 0/0

R2(config-if)#ip address 192.168.0.2 255.255.255.0

R2(config)#no shutdown

R2(config-if)#interface fastEthernet 1/0

R2(config-if)#ip address 192.168.3.1 255.255.255.0

R2(config)#no shutdown

R2#conf t

R2(config)#router ospf 1

R2(config-router)#router-id 192.168.0.2

R2(config-router)#network 192.168.0.0 0.0.0.255 area 0

R2(config-router)#network 192.168.3.0 0.0.0.255 area 2

R6#conf t

R6(config)#interface fastEthernet 0/0

R6(config-if)#ip address 192.168.3.2 255.255.255.0

R6(config)#no shutdown

R6(config-if)#interface fastEthernet 1/0

R6(config-if)#ip address 192.168.6.1 255.255.255.0

R6(config)#no shutdown

R6(config-if)#interface fastEthernet 2/0

R6(config-if)#ip address 192.168.5.1 255.255.255.0

R6(config)#no shutdown

R6#conf t

R6(config)#router ospf 1

R6(config-router)#router-id 192.168.3.2

R6(config-router)#network 192.168.3.0 0.0.0.255 area 2

R6(config-router)#network 192.168.6.0 0.0.0.255 area 2

R6(config-router)#network 192.168.5.0 0.0.0.255 area 2

R7#conf t

R7(config)#interface fastEthernet 0/0

R7(config-if)#ip address 192.168.4.2 255.255.255.0

R7(config)#no shutdown

R7(config-if)#interface fastEthernet 1/0

R7(config-if)#ip address 192.168.7.1 255.255.255.0

R7(config)#no shutdown

R7(config-if)#interface fastEthernet 2/0

R7(config-if)#ip address 192.168.5.2 255.255.255.0

R7(config)#no shutdown

R7#conf t

R7(config)#router ospf 1

R7(config-router)#router-id 192.168.4.2

R7(config-router)#network 192.168.4.0 0.0.0.255 area 2

R7(config-router)#network 192.168.7.0 0.0.0.255 area 2

R7(config-router)#network 192.168.5.0 0.0.0.255 area 2

R8#conf t

R8(config)#interface fastEthernet 0/0

R8(config-if)#ip address 192.168.1.2 255.255.255.0

R8(config)#no shutdown

R8(config-if)#interface fastEthernet 1/0

R8(config-if)#ip address 192.168.2.1 255.255.255.0

R8(config)#no shutdown

R8#conf t

R8(config)#router ospf 1

R8(config-router)#router-id 192.168.1.2

R8(config-router)#network 192.168.1.0 0.0.0.255 area 1

R8(config-router)#network 192.168.2.0 0.0.0.255 area 1

R8(config-router)#area 1 stub

PC1> ping 192.168.9.2

84 bytes from 192.168.9.2 icmp\_seq=1 ttl=62 time=39.617 ms

84 bytes from 192.168.9.2 icmp\_seq=2 ttl=62 time=25.401 ms

84 bytes from 192.168.9.2 icmp\_seq=3 ttl=62 time=25.767 ms

84 bytes from 192.168.9.2 icmp\_seq=4 ttl=62 time=25.136 ms

84 bytes from 192.168.9.2 icmp\_seq=5 ttl=62 time=25.481 ms

PC1> ping 192.168.6.2

84 bytes from 192.168.6.2 icmp\_seq=1 ttl=59 time=57.255 ms

84 bytes from 192.168.6.2 icmp\_seq=2 ttl=59 time=55.037 ms

84 bytes from 192.168.6.2 icmp\_seq=3 ttl=59 time=55.772 ms

84 bytes from 192.168.6.2 icmp\_seq=4 ttl=59 time=55.602 ms

84 bytes from 192.168.6.2 icmp\_seq=5 ttl=59 time=55.447 ms

PC1> ping 192.168.7.2

84 bytes from 192.168.7.2 icmp\_seq=1 ttl=59 time=54.855 ms

84 bytes from 192.168.7.2 icmp\_seq=2 ttl=59 time=55.809 ms

84 bytes from 192.168.7.2 icmp\_seq=3 ttl=59 time=55.846 ms

84 bytes from 192.168.7.2 icmp\_seq=4 ttl=59 time=56.154 ms

84 bytes from 192.168.7.2 icmp\_seq=5 ttl=59 time=55.153 ms

PC1> ping 192.168.2.2

84 bytes from 192.168.2.2 icmp\_seq=1 ttl=59 time=69.976 ms

84 bytes from 192.168.2.2 icmp\_seq=2 ttl=59 time=65.165 ms

84 bytes from 192.168.2.2 icmp\_seq=3 ttl=59 time=65.671 ms

84 bytes from 192.168.2.2 icmp\_seq=4 ttl=59 time=75.246 ms

84 bytes from 192.168.2.2 icmp\_seq=5 ttl=59 time=75.003 ms

PC2> ping 192.168.11.2

84 bytes from 192.168.11.2 icmp\_seq=1 ttl=62 time=29.790 ms

84 bytes from 192.168.11.2 icmp\_seq=2 ttl=62 time=25.071 ms

84 bytes from 192.168.11.2 icmp\_seq=3 ttl=62 time=25.908 ms

84 bytes from 192.168.11.2 icmp\_seq=4 ttl=62 time=25.075 ms

84 bytes from 192.168.11.2 icmp\_seq=5 ttl=62 time=25.628 ms

PC2> ping 192.168.2.2

84 bytes from 192.168.2.2 icmp\_seq=1 ttl=60 time=40.821 ms

84 bytes from 192.168.2.2 icmp\_seq=2 ttl=60 time=45.536 ms

84 bytes from 192.168.2.2 icmp\_seq=3 ttl=60 time=46.112 ms

84 bytes from 192.168.2.2 icmp\_seq=4 ttl=60 time=45.627 ms

84 bytes from 192.168.2.2 icmp\_seq=5 ttl=60 time=44.965 ms

PC2> ping 192.168.7.2

84 bytes from 192.168.7.2 icmp\_seq=1 ttl=60 time=60.457 ms

84 bytes from 192.168.7.2 icmp\_seq=2 ttl=60 time=45.191 ms

84 bytes from 192.168.7.2 icmp\_seq=3 ttl=60 time=45.559 ms

84 bytes from 192.168.7.2 icmp\_seq=4 ttl=60 time=45.191 ms

84 bytes from 192.168.7.2 icmp\_seq=5 ttl=60 time=45.574 ms

PC2> ping 192.168.6.2

84 bytes from 192.168.6.2 icmp\_seq=1 ttl=60 time=56.226 ms

84 bytes from 192.168.6.2 icmp\_seq=2 ttl=60 time=45.127 ms

84 bytes from 192.168.6.2 icmp\_seq=3 ttl=60 time=45.626 ms

84 bytes from 192.168.6.2 icmp\_seq=4 ttl=60 time=45.371 ms

84 bytes from 192.168.6.2 icmp\_seq=5 ttl=60 time=45.710 ms

PC3> ping 192.168.11.2

84 bytes from 192.168.11.2 icmp\_seq=1 ttl=59 time=70.468 ms

84 bytes from 192.168.11.2 icmp\_seq=2 ttl=59 time=65.766 ms

84 bytes from 192.168.11.2 icmp\_seq=3 ttl=59 time=66.011 ms

84 bytes from 192.168.11.2 icmp\_seq=4 ttl=59 time=65.580 ms

84 bytes from 192.168.11.2 icmp\_seq=5 ttl=59 time=65.433 ms

PC3> ping 192.168.9.2

84 bytes from 192.168.9.2 icmp\_seq=1 ttl=60 time=53.528 ms

84 bytes from 192.168.9.2 icmp\_seq=2 ttl=60 time=45.496 ms

84 bytes from 192.168.9.2 icmp\_seq=3 ttl=60 time=46.207 ms

84 bytes from 192.168.9.2 icmp\_seq=4 ttl=60 time=45.597 ms

84 bytes from 192.168.9.2 icmp\_seq=5 ttl=60 time=46.064 ms

PC3> ping 192.168.2.2

84 bytes from 192.168.2.2 icmp\_seq=1 ttl=60 time=68.338 ms

84 bytes from 192.168.2.2 icmp\_seq=2 ttl=60 time=55.364 ms

84 bytes from 192.168.2.2 icmp\_seq=3 ttl=60 time=55.477 ms

84 bytes from 192.168.2.2 icmp\_seq=4 ttl=60 time=45.541 ms

84 bytes from 192.168.2.2 icmp\_seq=5 ttl=60 time=45.223 ms

PC3> ping 192.168.7.2

84 bytes from 192.168.7.2 icmp\_seq=1 ttl=62 time=24.166 ms

84 bytes from 192.168.7.2 icmp\_seq=2 ttl=62 time=25.647 ms

84 bytes from 192.168.7.2 icmp\_seq=3 ttl=62 time=25.096 ms

84 bytes from 192.168.7.2 icmp\_seq=4 ttl=62 time=25.665 ms

84 bytes from 192.168.7.2 icmp\_seq=5 ttl=62 time=25.071 ms

PC4> ping 192.168.11.2

84 bytes from 192.168.11.2 icmp\_seq=1 ttl=59 time=69.212 ms

84 bytes from 192.168.11.2 icmp\_seq=2 ttl=59 time=55.343 ms

84 bytes from 192.168.11.2 icmp\_seq=3 ttl=59 time=55.349 ms

84 bytes from 192.168.11.2 icmp\_seq=4 ttl=59 time=55.109 ms

84 bytes from 192.168.11.2 icmp\_seq=5 ttl=59 time=55.258 ms

PC4> ping 192.168.9.2

84 bytes from 192.168.9.2 icmp\_seq=1 ttl=60 time=56.672 ms

84 bytes from 192.168.9.2 icmp\_seq=2 ttl=60 time=45.700 ms

84 bytes from 192.168.9.2 icmp\_seq=3 ttl=60 time=45.145 ms

84 bytes from 192.168.9.2 icmp\_seq=4 ttl=60 time=45.629 ms

84 bytes from 192.168.9.2 icmp\_seq=5 ttl=60 time=45.152 ms

PC4> ping 192.168.6.2

84 bytes from 192.168.6.2 icmp\_seq=1 ttl=62 time=23.098 ms

84 bytes from 192.168.6.2 icmp\_seq=2 ttl=62 time=25.731 ms

84 bytes from 192.168.6.2 icmp\_seq=3 ttl=62 time=25.146 ms

84 bytes from 192.168.6.2 icmp\_seq=4 ttl=62 time=25.773 ms

84 bytes from 192.168.6.2 icmp\_seq=5 ttl=62 time=25.259 ms

PC4> ping 192.168.2.2

84 bytes from 192.168.2.2 icmp\_seq=1 ttl=61 time=40.010 ms

84 bytes from 192.168.2.2 icmp\_seq=2 ttl=61 time=35.593 ms

84 bytes from 192.168.2.2 icmp\_seq=3 ttl=61 time=35.848 ms

84 bytes from 192.168.2.2 icmp\_seq=4 ttl=61 time=35.903 ms

84 bytes from 192.168.2.2 icmp\_seq=5 ttl=61 time=35.734 ms

PC5> ping 192.168.11.2

84 bytes from 192.168.11.2 icmp\_seq=1 ttl=59 time=61.125 ms

84 bytes from 192.168.11.2 icmp\_seq=2 ttl=59 time=55.852 ms

84 bytes from 192.168.11.2 icmp\_seq=3 ttl=59 time=55.892 ms

84 bytes from 192.168.11.2 icmp\_seq=4 ttl=59 time=55.844 ms

84 bytes from 192.168.11.2 icmp\_seq=5 ttl=59 time=56.023 ms

PC5> ping 192.168.9.2

84 bytes from 192.168.9.2 icmp\_seq=1 ttl=60 time=50.757 ms

84 bytes from 192.168.9.2 icmp\_seq=2 ttl=60 time=56.161 ms

84 bytes from 192.168.9.2 icmp\_seq=3 ttl=60 time=55.301 ms

84 bytes from 192.168.9.2 icmp\_seq=4 ttl=60 time=45.240 ms

84 bytes from 192.168.9.2 icmp\_seq=5 ttl=60 time=46.022 ms

PC5> ping 192.168.6.2

84 bytes from 192.168.6.2 icmp\_seq=1 ttl=60 time=53.930 ms

84 bytes from 192.168.6.2 icmp\_seq=2 ttl=60 time=46.076 ms

84 bytes from 192.168.6.2 icmp\_seq=3 ttl=60 time=45.543 ms

84 bytes from 192.168.6.2 icmp\_seq=4 ttl=60 time=45.946 ms

84 bytes from 192.168.6.2 icmp\_seq=5 ttl=60 time=45.522 ms

PC5> ping 192.168.7.2

84 bytes from 192.168.7.2 icmp\_seq=1 ttl=61 time=39.840 ms

84 bytes from 192.168.7.2 icmp\_seq=2 ttl=61 time=35.730 ms

84 bytes from 192.168.7.2 icmp\_seq=3 ttl=61 time=35.597 ms

84 bytes from 192.168.7.2 icmp\_seq=4 ttl=61 time=35.818 ms

84 bytes from 192.168.7.2 icmp\_seq=5 ttl=61 time=35.837 ms