Отчет по лабораторной работе №7

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Задача 1

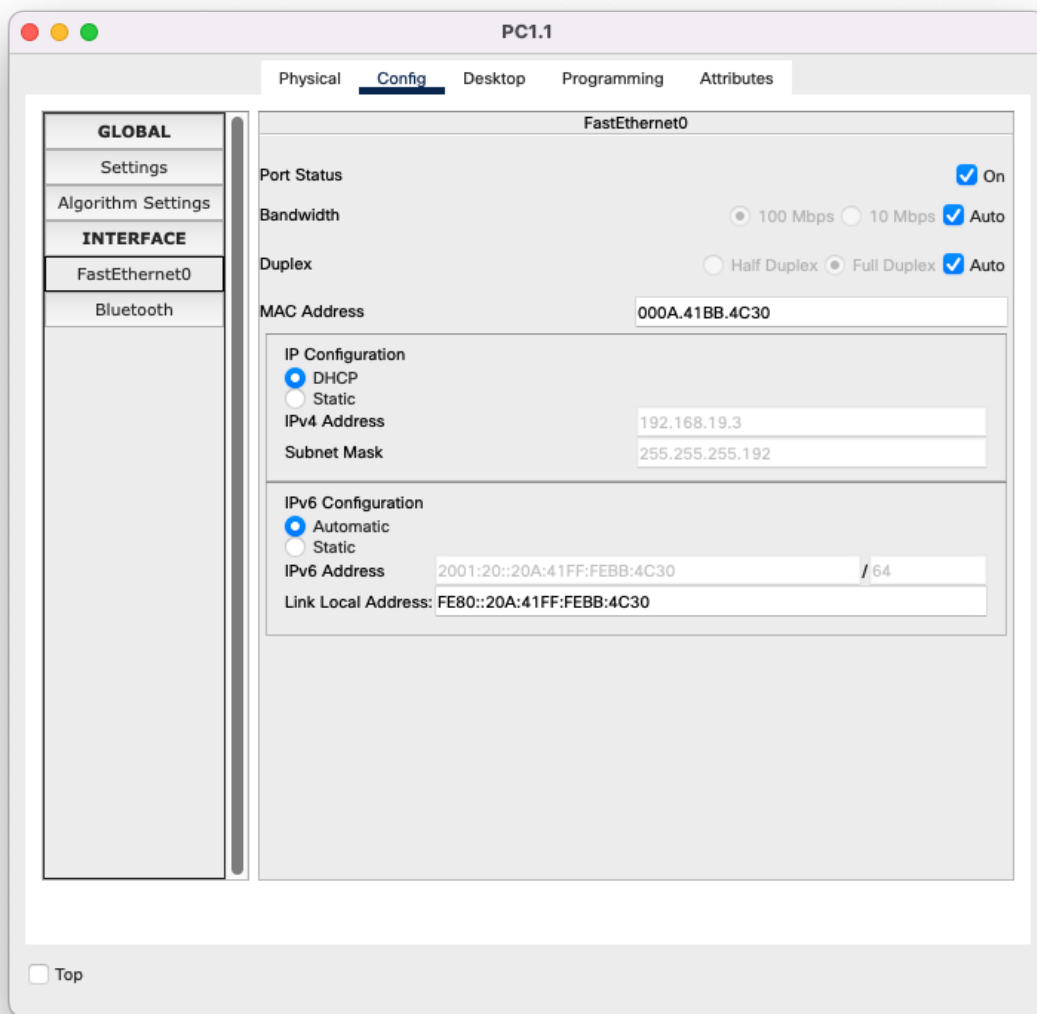| №	Binary CIDR	IPv4	Mask
1	11000000.10101000.00000110.00000000/27	192.168.19.0	255.255.255.224
2	11000000.10101000.00000110.00100000/27	192.168.19.64	255.255.255.224
3	11000000.10101000.00000110.01000000/27	192.168.19.128	255.255.255.224
4	11000000.10101000.00000110.01100000/30	192.168.19.160	255.255.255.252
5	11000000.10101000.00000110.01100100/30	192.168.19.164	255.255.255.252
6	11000000.10101000.00000110.01101000/30	192.168.19.168	255.255.255.252

Задача 2,3,5

На примере Router1

```
Router>en
Router#conf t
Router(config)#interface GigabitEthernet0/0/0
Router(config-if)#ip address 192.168.19.62 255.255.255.224
Router(config-if)#ipv6 enable
Router(config-if)#ipv6 address 2001:7::1/64
Router(config-if)#no sh
Router(config-if)#ex
Router(config)#interface GigabitEthernet0/0/1
Router(config-if)#ip address 192.168.19.126 255.255.255.224
```

Router(config-if)#ipv6 enable
Router(config-if)#ipv6 address 2001:8::1/64
Router(config-if)#no sh
Router(config-if)#ex
Router(config)#interface vlan 1
Router(config-if)#ip address 192.168.6.161 255.255.255.252
Router(config-if)#ipv6 enable
Router(config-if)#ipv6 address 2001:10::1/64
Router(config-if)#no sh
Router(config-if)#ex
Router(config)#ip dhcp pool pool1
Router(dhcp-config)#network 192.168.19.0 255.255.255.224
Router(dhcp-config)#default-router 192.168.19.62
Router(dhcp-config)#ex
Router(config)#ip dhcp pool pool2
Router(dhcp-config)#network 192.168.19.64 255.255.255.224
Router(dhcp-config)#default-router 192.168.19.126
Router(dhcp-config)#ex
Router(config)#ip route 192.168.19.128 255.255.255.224 192.168.19.162
Router(config)#ip route 192.168.6.164 255.255.255.252 192.168.6.162
Router(config)#ip route 192.168.6.168 255.255.255.252 192.168.6.162
Router(config)#ipv6 route 2001:9::/64 2001:10::2
Router(config)#ipv6 route 2001:11::/64 2001:10::2
Router(config)#ipv6 route 2001:12::/64 2001:10::2
Router(config)#ipv6 unicast-routing
Router(config)#ex
Router#ex

Задача 4

На примере PC1.1

Подключение службы DHCPv6