

**CSE421 Project**  
**Section: 05**  
**Group: 35**

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# Commands

## Fire Router:

```
Router>en
Router#conf t
Router(config)#hostname Fire
Fire(config)#interface fa0/0
Fire(config-if)#ip address 192.168.7.1 255.255.255.0
Fire(config-if)#no shut
```

```
Fire>en
Fire#conf t
Fire(config)#int Se0/0/0
Fire(config-if)#ip address 192.168.8.193 255.255.255.252
Fire(config-if)#no shut
```

```
Fire(config-if)#exit
Fire(config)#int Se0/0/1
Fire(config-if)#ip address 192.168.8.201 255.255.255.252
Fire(config-if)#no shut
```

```
Fire(config-if)#exit
Fire(config)#int Se0/1/0
Fire(config-if)#ip address 192.168.8.205 255.255.255.252
Fire(config-if)#no shut
```

```
Fire>en
Fire#conf t
Fire(config)#ip route 192.168.8.128 255.255.255.192 se0/0/0
Fire(config)#ip route 192.168.6.0 255.255.255.0 se0/0/0
Fire(config)#ip route 192.168.6.0 255.255.255.0 se0/0/0 5
Fire(config)#router rip
Fire(config-router)#version 2
Fire(config-router)#no auto-summary
Fire(config-router)#network 192.168.7.0
Fire(config-router)#network 192.168.8.204
Fire(config-router)#redistribute static
Fire(config-router)#exit
Fire(config)#end
Fire#copy run start
Fire#show ip route
```

```
Fire>en
```

```
Fire#conf t
Fire(config)#int fa0/0
Fire(config-if)#ip helper-address 192.168.8.132
```

## Water Router:

```
Router>en
Router#conf t
Router(config)#int fa0/0
Router(config-if)#ip address 192.168.8.129 255.255.255.192
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#int se0/0/0
Router(config-if)#ip address 192.168.8.194 255.255.255.252
Router(config-if)#no shut
```

```
Router>en
Router#conf t
Router(config)#int Se0/0/1
Router(config-if)#ip address 192.168.8.197 255.255.255.252
Router(config-if)#no shut
Router(config-if)#exit
Router(config)#hostname Water
```

```
Water>en
Water#conf t
Water(config)#ip route 192.168.8.200 255.255.255.252 se0/0/0
Water(config)#ip route 192.168.8.204 255.255.255.252 se0/0/0
Water(config)#ip route 192.168.8.208 255.255.255.252 se0/0/0
Water(config)#ip route 192.168.8.212 255.255.255.252 se0/0/0
Water(config)#ip route 192.168.7.0 255.255.255.0 se0/0/0
Water(config)#ip route 192.168.6.0 255.255.255.0 se0/0/1
Water(config)#ip route 192.168.0.0 255.255.252.0 se0/0/0
Water(config)#ip route 192.168.4.0 255.255.254.0 se0/0/0
Water(config)#ip route 192.168.8.0 255.255.255.128 se0/0/0
Water(config)#exit
```

## Mind Router:

```
Router>en
Router#conf t
Router(config)#hostname Mind
Mind(config)#int fa0/0
Mind(config-if)#ip address 192.168.6.1 255.255.255.0
Mind(config-if)#no shut
Mind(config-if)#exit
Mind(config)#int se0/0/0
Mind(config-if)#ip address 192.168.8.198 255.255.255.252
Mind(config-if)#no shut
Mind(config-if)#exit
Mind(config)#int se0/0/1
Mind(config-if)#ip address 192.168.8.202 255.255.255.252
Mind(config-if)#no shut
```

```
Mind>en
Mind#conf t
Mind(config)#ip route 192.168.8.192 255.255.255.252 se0/0/0
Mind(config)#ip route 192.168.8.204 255.255.255.252 se0/0/0
Mind(config)#ip route 192.168.8.208 255.255.255.252 se0/0/0
Mind(config)#ip route 192.168.8.212 255.255.255.252 se0/0/0
Mind(config)#ip route 192.168.8.128 255.255.255.192 se0/0/0
Mind(config)#ip route 192.168.7.0 255.255.255.0 se0/0/0
Mind(config)#ip route 192.168.7.0 255.255.255.0 se0/0/1 5
Mind(config)#ip route 192.168.0.0 255.255.252.0 se0/0/0
Mind(config)#ip route 192.168.4.0 255.255.254.0 se0/0/0
Mind(config)#ip route 192.168.8.0 255.255.255.128 se0/0/0
```

```
Mind>en
Mind#conf t
Mind(config)#int fa0/0
Mind(config-if)#ip helper-address 192.168.8.132
```

## Wind Router:

```
Router>en
Router#conf t
Router(config)#hostname Wind
Wind(config)#int fa0/0
Wind(config-if)#ip address 192.168.0.1 255.255.252.0
Wind(config-if)#no shut
Wind(config-if)#exit
Wind(config)#int se0/0/0
Wind(config-if)#ip address 192.168.8.209 255.255.255.252
Wind(config-if)#no shut
```

```
Wind(config-if)#exit
Wind(config)#int se0/0/1
Wind(config-if)#ip address 192.168.8.213 255.255.255.252
Wind(config-if)#no shut
```

```
Wind(config-if)#exit
Wind(config)#int se0/1/0
Wind(config-if)#ip address 192.168.8.206 255.255.255.252
Wind(config-if)#no shut
```

```
Wind>en
Wind#conf t
Wind(config)#router rip
Wind(config-router)#version 2
Wind(config-router)#no auto-summary
Wind(config-router)#network 192.168.8.204
Wind(config-router)#network 192.168.8.208
Wind(config-router)#network 192.168.8.212
Wind(config-router)#network 192.168.0.0
Wind(config-router)#end
Wind#copy run start
```

```
Wind>en
Wind#conf t
Wind(config)#int fa0/0
Wind(config-if)#ip helper-address 192.168.8.132
```

## Speed router:

```
Router>en
Router#conf t
Router(config)#hostname Speed
Speed(config)#int fa0/0
Speed(config-if)#ip address 192.168.4.1 255.255.254.0
Speed(config-if)#no shut
Speed(config-if)#exit
Speed(config)#int se0/0/0
Speed(config-if)#ip address 192.168.8.210 255.255.255.252
Speed(config-if)#no shut
```

```
Speed>en
Speed#conf t
Speed(config)#router rip
Speed(config-router)#version 2
Speed(config-router)#no auto-summary
Speed(config-router)#network 192.168.8.208
Speed(config-router)#network 192.168.4.0
Speed(config-router)#end
Speed#copy run start
```

## Intelligence router:

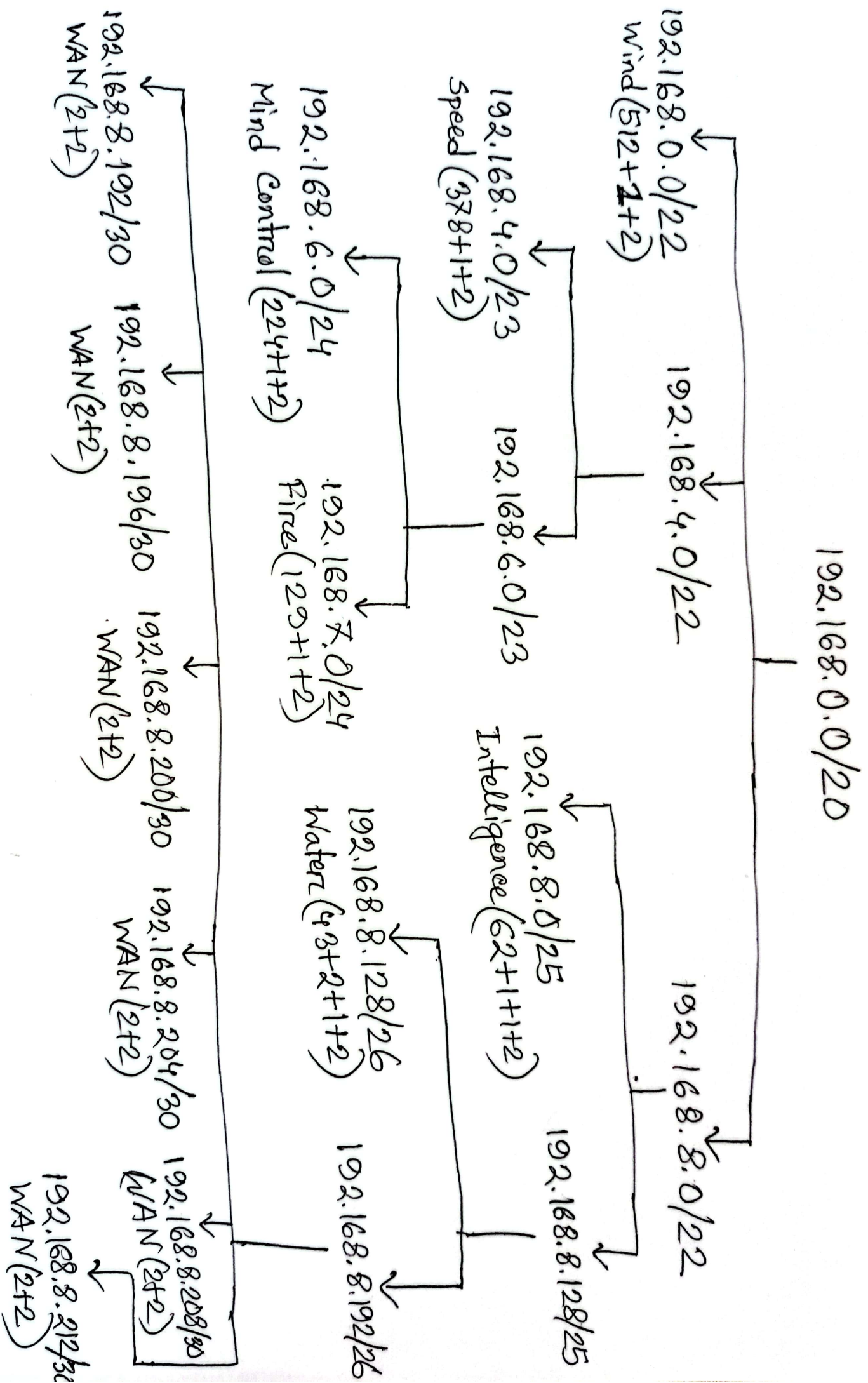
```
Router>en
Router#conf t
Router(config)#int fa0/0
Router(config-if)#ip address 192.168.8.1 255.255.255.128
Router(config-if)#no shut

Router(config-if)#exit
```

```
Router(config)#hostname Intelligence
Intelligence(config)#int se0/0/0
Intelligence(config-if)#ip address 192.168.8.214 255.255.255.252
Intelligence(config-if)#no shut
```

```
Intelligence>en
Intelligence#conf t
Intelligence(config)#router rip
Intelligence(config-router)#version 2
Intelligence(config-router)#no auto-summary
Intelligence(config-router)#network 192.168.8.212
Intelligence(config-router)#network 192.168.8.0
Intelligence(config-router)#end
Intelligence#copy run start
```

```
Intelligence>en
Intelligence#conf t
Intelligence(config)#int fa0/0
Intelligence(config-if)#ip helper-address 192.168.8.132
```





# IP Address Table

Device	Interface	IP address	Subnet Mask	Def. Gateway
Fire	Fa0/0	192.168.7.1	255.255.255.0	N/A
	Se0/0/0	192.168.8.193	255.255.255.252	N/A
	Se0/0/1	192.168.8.201	255.255.255.252	N/A
	Se0/1/0	192.168.8.205	255.255.255.252	N/A
Water	Fa0/0	192.168.8.129	255.255.255.192	N/A
	Se0/0/0	192.168.8.194	255.255.255.252	N/A
	Se0/0/1	192.168.8.197	255.255.255.252	N/A
Mind	Fa0/0	192.168.6.1	255.255.255.0	N/A
	Se0/0/0	192.168.8.198	255.255.255.252	N/A
	Se0/0/1	192.168.8.202	255.255.255.252	N/A
Wind	Fa0/0	192.168.0.1	255.255.252.0	N/A
	Se0/0/0	192.168.8.209	255.255.255.252	N/A
	Se0/0/1	192.168.8.213	255.255.255.252	N/A
	Se0/1/0	192.168.8.206	255.255.255.252	N/A
Speed	Fa0/0	192.168.4.1	255.255.254.0	N/A
	Se0/0/0	192.168.8.210	255.255.255.252	N/A
Intelligence	Fa0/0	192.168.8.1	255.255.255.128	N/A
	Se0/0/0	192.168.8.214	255.255.255.252	N/A
PC_Fire	Fa0	192.168.7.2 (DHCP)	255.255.255.0	192.168.7.1
PC_Water	Fa0	192.168.8.130	255.255.255.192	192.168.8.129
PC_Mind	Fa0	192.168.6.2 (DHCP)	255.255.255.0	192.168.6.1
PC_Wind	Fa0	192.168.0.2 (DHCP)	255.255.252.0	192.168.0.1
PC_Speed	Fa0	192.168.4.2	255.255.254.0	192.168.4.1
PC_Intelligence	Fa0	192.168.8.2 (DHCP)	255.255.255.128	192.168.8.1

<b>Device</b>	<b>Interface</b>	<b>IP address</b>	<b>Subnet Mask</b>	<b>Def. Gateway</b>
Printer_Fire	0	192.168.7.3 (DHCP)	255.255.255.0	192.168.7.1
Printer_Water	0	192.168.8.131	255.255.255.192	192.168.8.129
Printer_Mind	0	192.168.6.3 (DHCP)	255.255.255.0	192.168.6.1
Printer_Wind	0	192.168.0.3 (DHCP)	255.255.252.0	192.168.0.1
Printer_Speed	0	192.168.4.3	255.255.254.0	192.168.4.1
Printer_Intelligence	0	192.168.8.3 (DHCP)	255.255.255.128	192.168.8.1
Web+DHCP Server	Fa0	192.168.8.132	255.255.255.192	192.168.8.129
DNS Server	Fa0	192.168.8.133	255.255.255.192	192.168.8.129
Email Server	Fa0	192.168.8.4 (DHCP)	255.255.255.128	192.168.8.1