

After configuring RIPv2 in Lab04\_RIPv2 file:

RT

PhysicalConfigCLIAttributes

IOS Command Line Interface

```
R1#show running-config
Building configuration...

Current configuration : 820 bytes
!
version 15.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname R1
!
!
!
!
!
!
!
no ip cef
no ipv6 cef
!
!
!
license udi pid C19001941/K9 on FTX1524X93X
!
!
!
!
!
!
!
!
!
spanning-tree mode pvst
!
!
!
!
!
!
interface GigabitEthernet0/0
ip address 10.0.0.1 255.0.0.0
duplex auto
speed auto
!
interface GigabitEthernet0/1
no ip address
duplex auto
```

Ctrl+F6 to exit CLI focus

CopyPaste

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Physical

Config

CLI

Attributes

IOS Command Line Interface

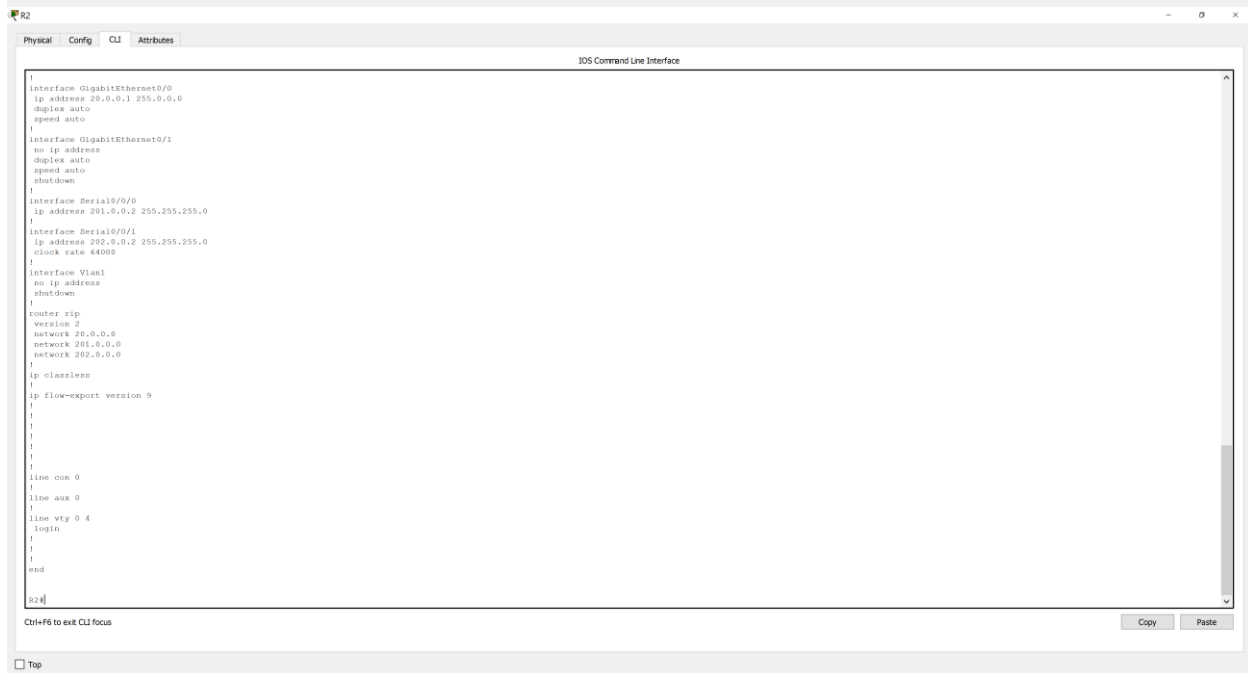
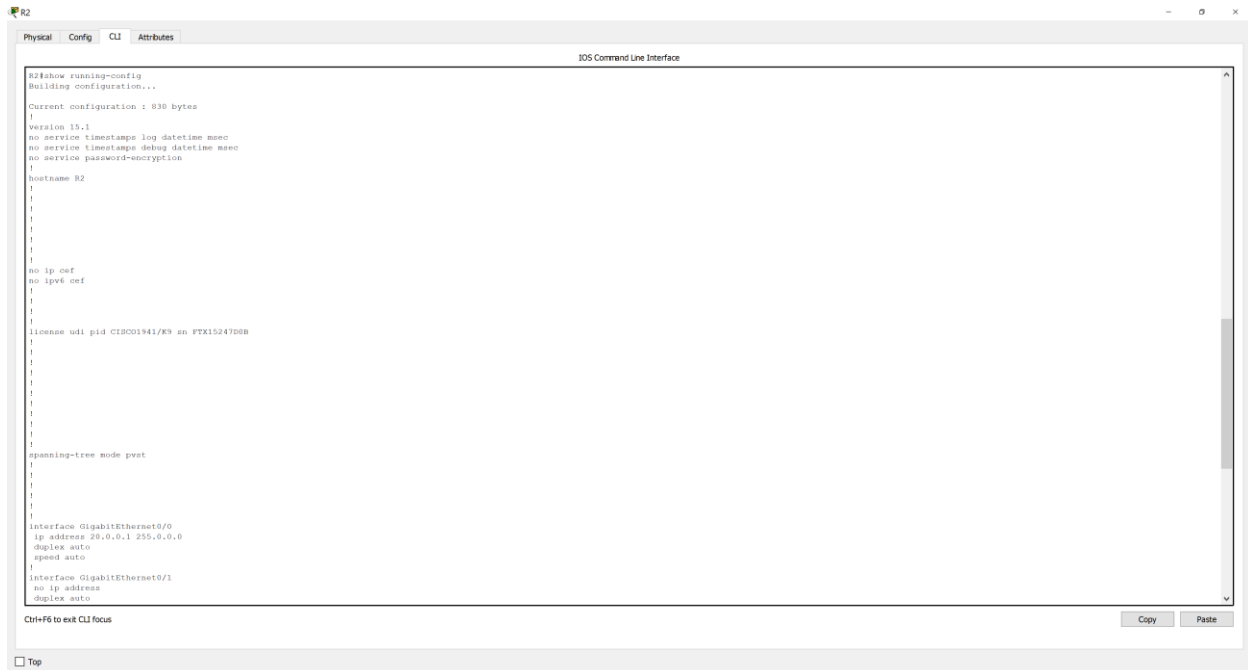
```
interface GigabitEthernet0/0
ip address 10.0.0.1 255.0.0.0
duplex auto
speed auto
!
interface GigabitEthernet0/1
no ip address
duplex auto
speed auto
shutdown
!
interface Serial0/0/0
ip address 201.0.0.1 255.255.255.0
clock rate 44000
!
interface Serial0/0/1
no ip address
clock rate 2000000
shutdown
!
interface Vlan1
no ip address
shutdown
!
router rip
version 2
network 10.0.0.0
network 201.0.0.0
!
ip classless
!
ip flow-export version 9
!
!
!
!
!
!
!
!
line con 0
!
line aux 0
!
line vty 0 4
login
!
!
!
end

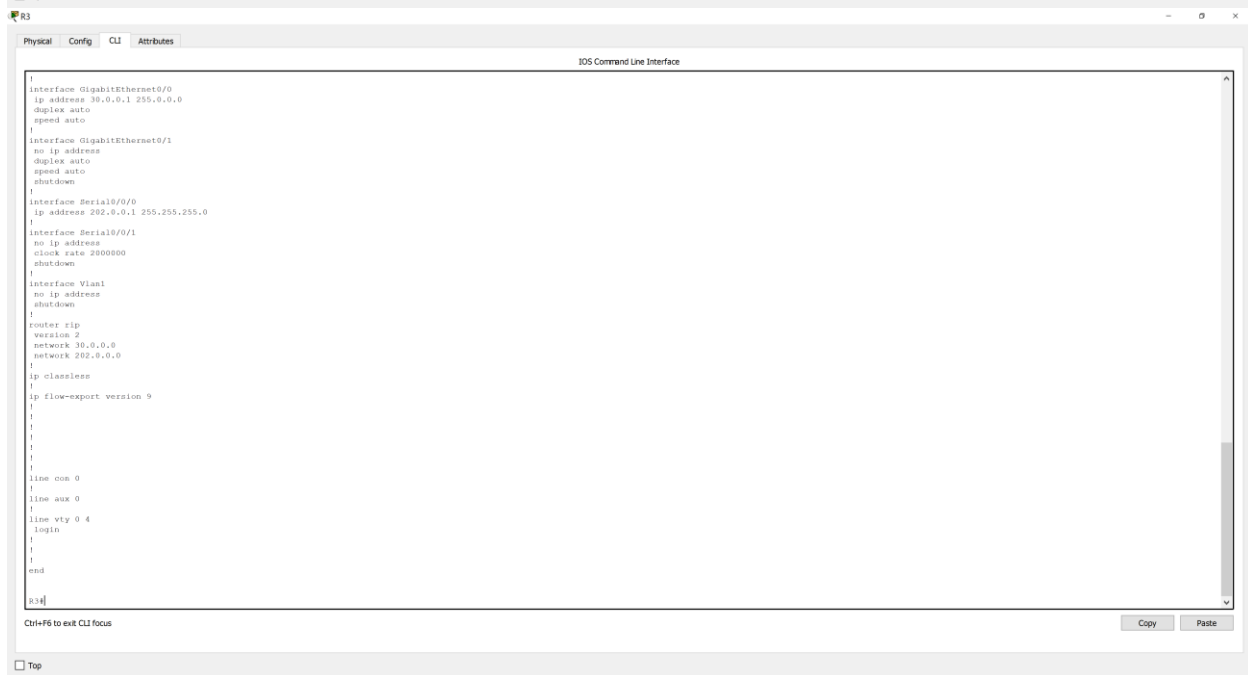
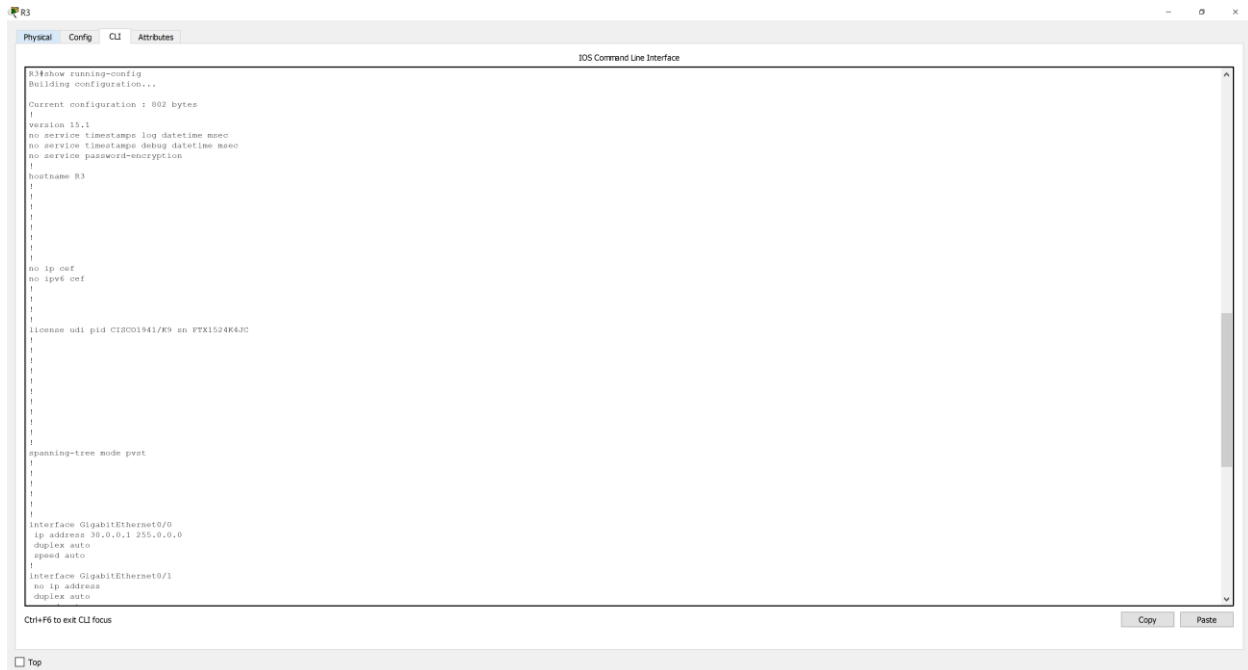
R1#
```

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[illegible]

2. After configuring EIGRP in Lab04\_EIGRP file:

a. Execute the 'show running-config' command in each router and submit the most important parts (i.e. interfaces network configuration) to demonstrate the correct configuration of your topology.

The screenshot displays the Cisco Packet Tracer software window. At the top, there are tabs for "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is selected, showing a terminal window titled "R1 IOS Command Line Interface". Inside the terminal, the following commands and their outputs are visible:  

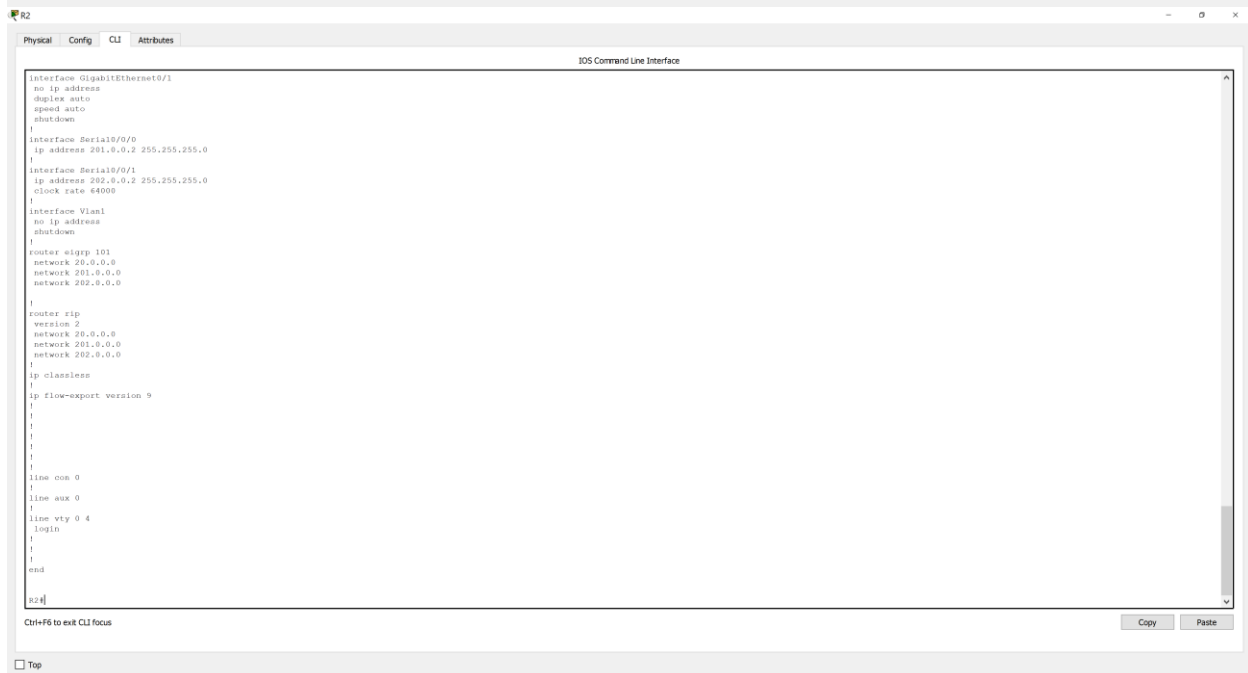
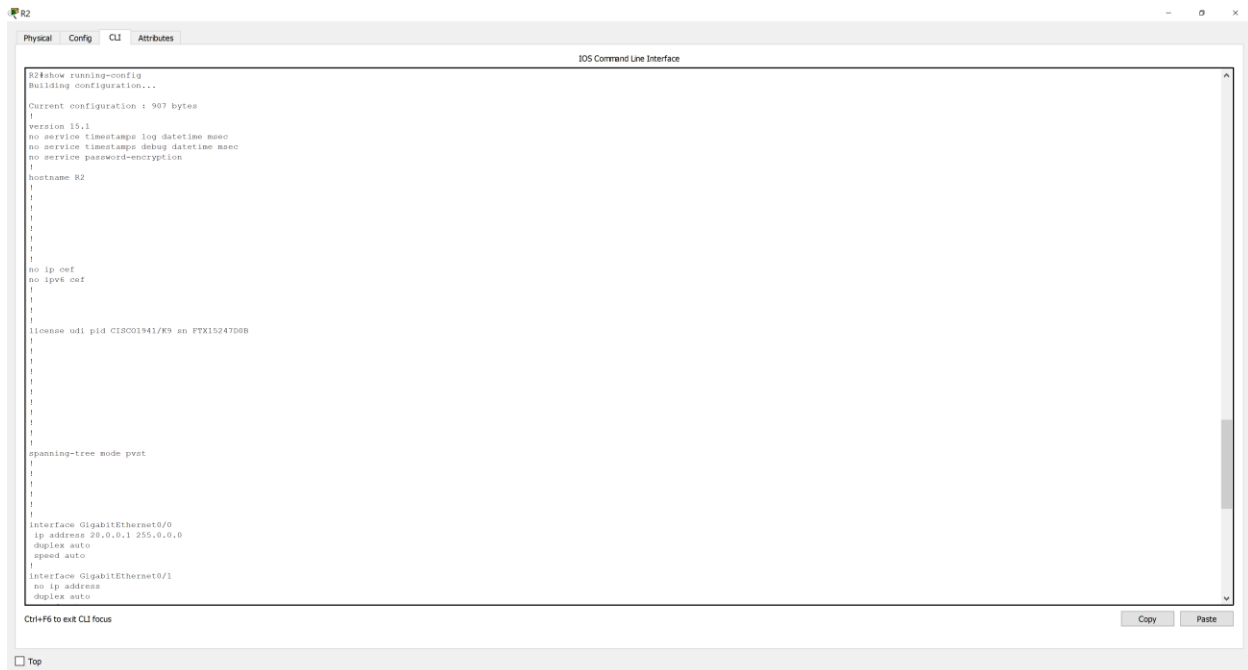
```
R1#show running-config  
Building configuration...  
  
Current configuration : 878 bytes  
!  
version 15.1  
no service timestamps log datetime msec  
no service timestamps debug datetime msec  
no service password-encryption  
!  
hostname R1  
!  
!  
!  
!  
!  
!  
no ip cef  
no ipv6 cef  
!  
!  
license udi pid CISCOI941/K9 sn FTX1524XR3X  
!  
!  
!  
!  
!  
!  
!  
spanning-tree mode pvst  
!  
!  
!  
!  
!  
interface GigabitEthernet0/0  
ip address 10.0.0.1 255.0.0.0  
duplex auto  
speed auto  
!  
interface GigabitEthernet0/1  
no ip address  
duplex auto
```

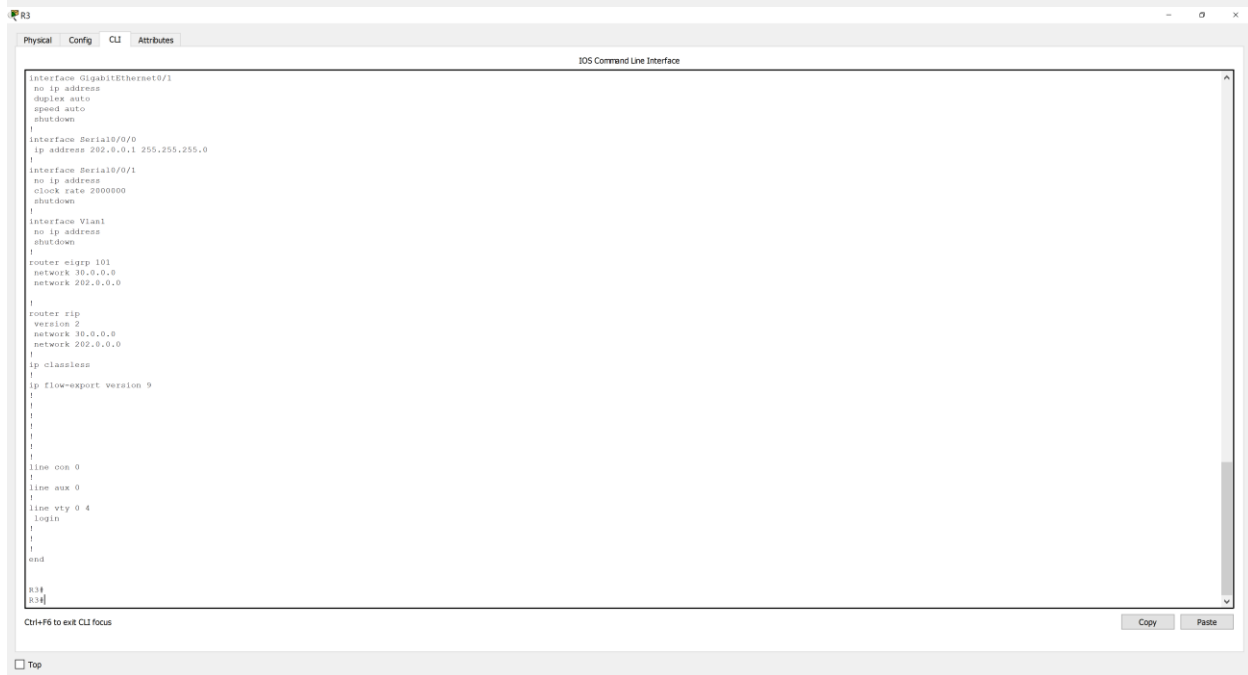
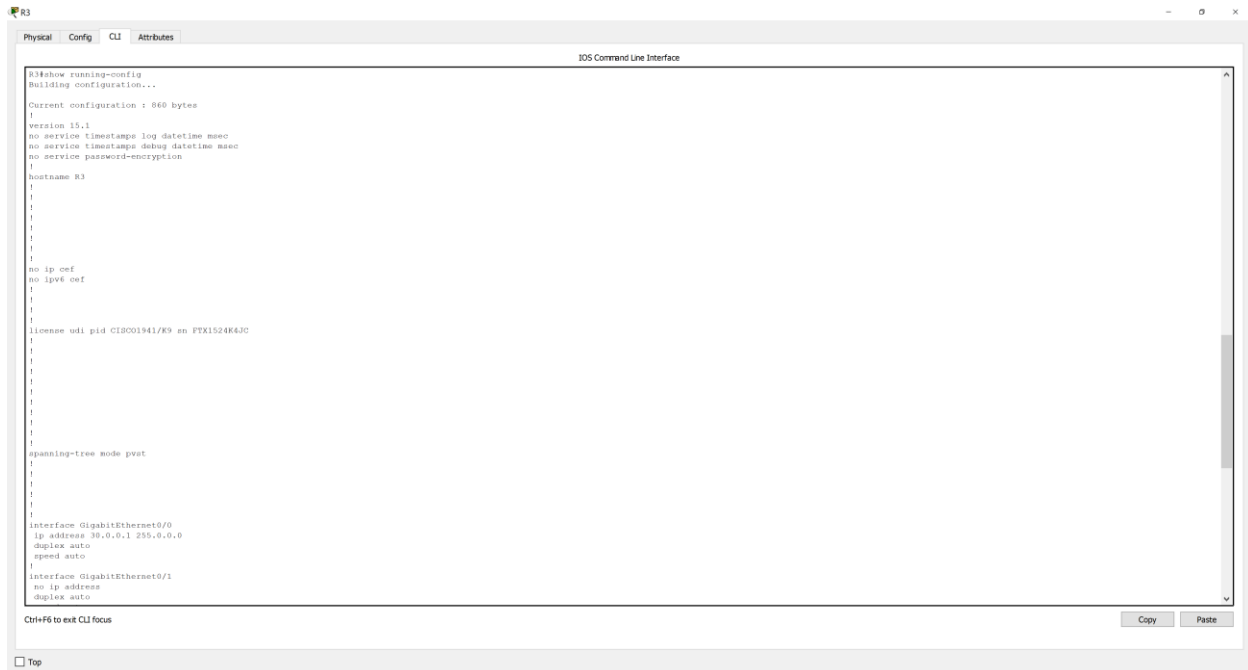
  
At the bottom left of the window, it says "Ctrl+F6 to exit CLI focus". At the bottom right, there are "Copy" and "Paste" buttons.

The screenshot displays the Cisco Packet Tracer interface with the 'CLI' tab selected. The title bar shows 'R1'. Below the tabs are 'Physical', 'Config', 'CLI', and 'Attributes'. The main window is titled 'IOS Command Line Interface' and contains a terminal session with the following configuration commands:

```
interface GigabitEthernet0/1
no ip address
duplex auto
speed auto
shutdown
}
interface Serial10/0/0
ip address 201.0.0.1 255.255.255.0
clock rate 64000
}
interface Serial10/0/1
no ip address
clock rate 2800000
shutdown
}
interface Vlan1
no ip address
shutdown
}
router eigrp 101
network 10.0.0.0
network 201.0.0.0
}
router rip
version 2
network 10.0.0.0
network 201.0.0.0
}
ip classless
ip flow-export version 9
}
}
}
}
}
}
line con 0
}
line aux 0
}
line vty 0 4
login
}
}
end
```

At the bottom left, it says 'Ctrl+F6 to exit CLI focus'. At the bottom right, there are 'Copy' and 'Paste' buttons.





b. Execute the 'show ip protocol' command in router 2 (R2) and submit the most important parts (i.e. routing protocol configuration) to demonstrate the correct configuration of your routing protocol.

```
R2#show ip protocol

Routing Protocol is "eigrp 101"
  Outgoing update filter list for all interfaces is not set
  Incoming update filter list for all interfaces is not set
  Default networks flagged in outgoing updates
  Default networks accepted from incoming updates
  Redistributing: eigrp 101
    EIGRP-IPv4 Protocol for AS(101)
      Metric weight K1=1, K2=0, K3=1, K4=0, K5=0
      NDt-aware route hold timer is 240
      Router-ID: 20.0.0.1
      Topology: 0 (base)
        Active Timer: 3 min
        Distance: internal 90 external 170
        Maximum path: 4
        Maximum hopcount 100
        Maximum metric variance 1

  Automatic Summarization: disabled
  Automatic address summarization:
  Maximum path: 4
  Routing for Networks:
    20.0.0.0
    201.0.0.0
    202.0.0.0
  Routing Information Sources:
    Gateway         Distance      Last Update
    201.0.0.1        90            1334167
    202.0.0.1        90            1425202
  Distance: internal 90 external 170

Routing Protocol is "rip"
  Sending updates every 30 seconds, next due in 15 seconds
  Invalid after 180 seconds, hold down 180, flushed after 240
  Outgoing update filter list for all interfaces is not set
  Incoming update filter list for all interfaces is not set
  Redistributing: rip
  Default version control: send version 2, receive 2
  Interface          Send Recv Triggered RIP Key-chain
  GigabitEthernet0/0  2    2
  Serial0/0/0        2    2
  Serial0/0/1        2    2
  Automatic network summarization is in effect
  Maximum path: 4
  Routing for Networks:
    20.0.0.0
    201.0.0.0
    202.0.0.0
  Passive Interface(s):
  Routing Information Sources:
    Gateway         Distance      Last Update
```

Ctrl+F6 to exit CLI focus

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