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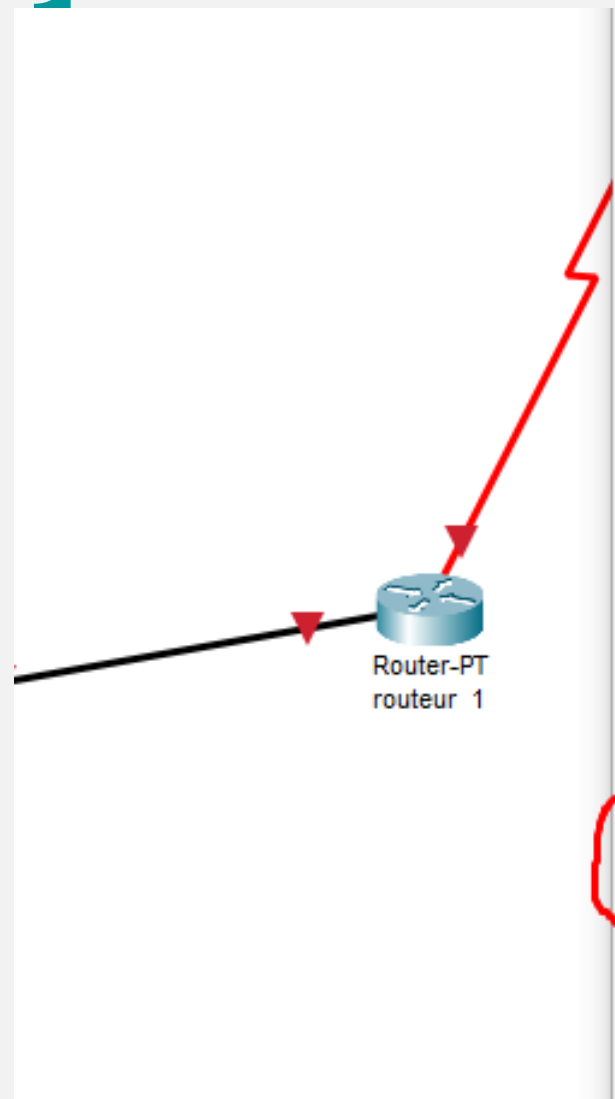
TP3

RESAUX



Tache 1-

1-



```
Router>
Router>
Router>
Router>enable
Router#hostname
Translating "hostname"...domain server (255.255.255.255)
Router#hostname R1
^
% Invalid input detected at '^' marker.

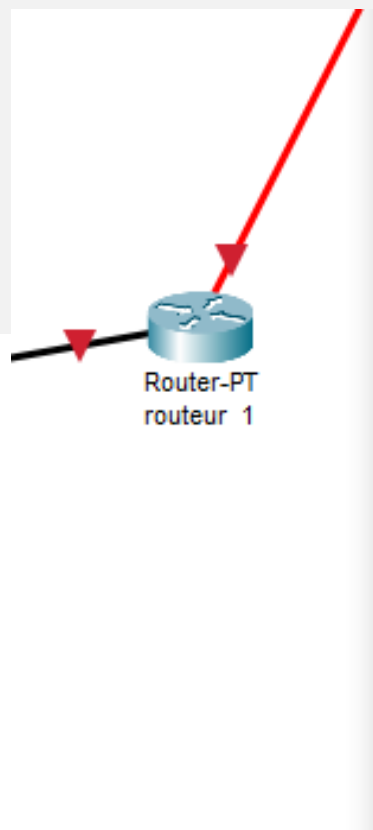
Router#configuret
Translating "configuret"...domain server (255.255.255.255)
Router#configure terminale
^
% Invalid input detected at '^' marker.

Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
% Unknown command or computer name, or unable to find computer address

Router(config)#hostname R1
R1(config)#
R1(config)#
R1(config)#
% Unknown command or computer name, or unable to find computer address

R1(config)#
```

2-



```
Router#configuret
Translating "configuret"...domain server (255.255.255.255)
Router#configure terminale
^
% Invalid input detected at '^' marker.

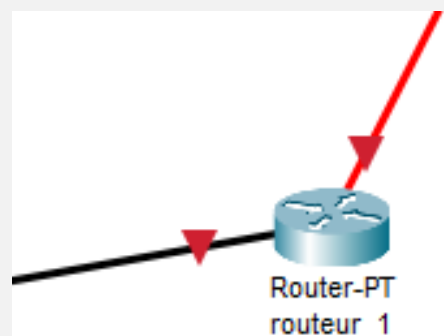
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
% Unknown command or computer name, or unable to find computer address

Router(config)#hostname R1
R1(config)#
R1(config)#
R1(config)#
% Unknown command or computer name, or unable to find computer address

R1(config)#interface fa0/0
R1(config-if)#ip address 172.16.3.1 255.255.255.0
R1(config-if)#exit
R1(config)#interface se2/0
R1(config-if)#ip address 172.16.2.1 255.255.255.0
R1(config-if)#
```

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3-



```

R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console

R1#
R1#show ip route
Codes: C - connected, S - static, I - IGRP, 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, E - EGP
       i - IS-IS, 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

R1#

```

-la route vers le reseau 172.16.3.0
n'est pas encore afficher sur la table
de routage car on na pas encore
allume le router

4-

```

% Invalid input detected at ... marker

R1(config)#interface se2/0
R1(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial2/0, changed state to down
R1(config-if)#exit
R1(config)#interface fa0/0
R1(config-if)#no shutdown

R1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

R1(config-if)#

```

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```
% Invalid input detected at marker.
```

```
R1#show ip route
```

```
Codes: C - connected, S - static, I - IGRP, 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, E - EGP
```

```
        i - IS-IS, 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, 1 subnets
```

```
C          172.16.3.0 is directly connected, FastEthernet0/0
```

```
R1#
```

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maintenant on va que l'adresse se
trouve sur le table de routage

6-

2011
uteur

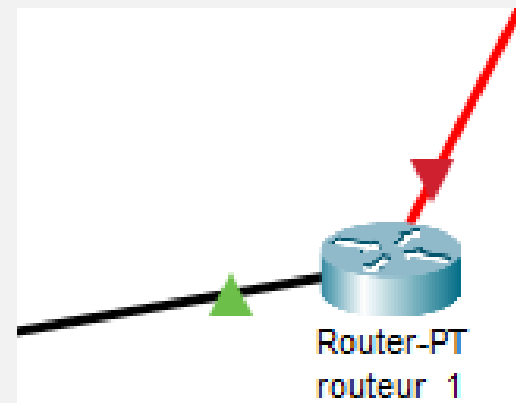
```

R2>
R2>
R2>enable
R2#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#interface se2/0
R2(config-if)#ip address 172.16.2.2 255.255.255.0
R2(config-if)#

```

Cop

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```

R1#show iproute
^
% Invalid input detected at '^' marker.

R1#show ip route
Codes: C - connected, S - static, I - IGRP, 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, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter
       * - 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, 1 subnets
C        172.16.3.0 is directly connected, FastEthernet0/0

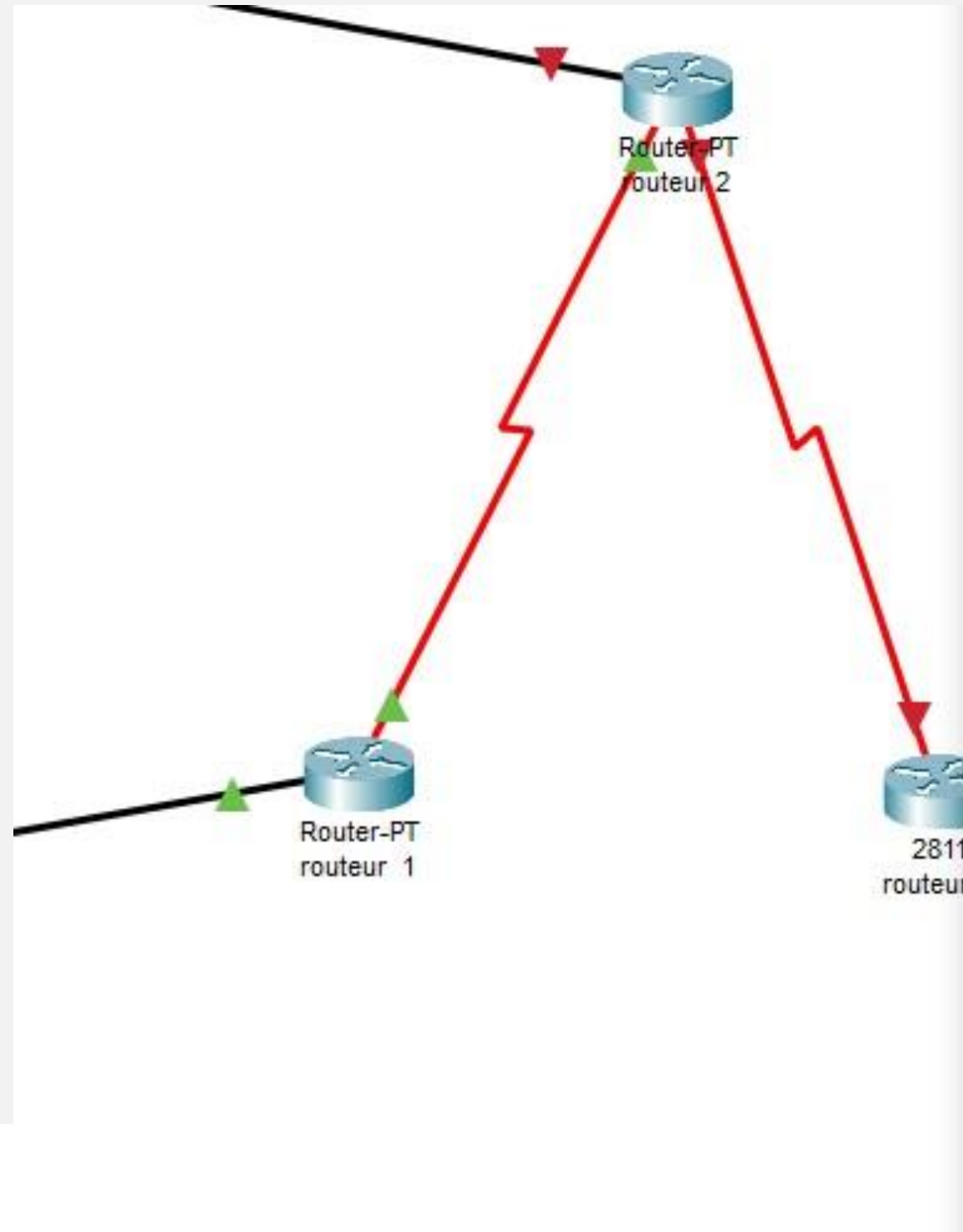
R1#

```

**la route vers 172.16.2.0 n'est pas encore afficher sur le
table**

8- il faut configure les deux sens

9- show ip
route



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```
% Invalid input detected at '^' marker.

R2#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#interface se2/0
R2(config-if)#no shutdown

R2(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

R2(config-if)#exit
R2(config)#exit
R2#
%SYS-5-CONFIG_I: Configured from console by console

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, cha

R2#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobil
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF int
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external
       E1 - OSPF external type 1, E2 - OSPF external type 2, E
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia -
       * - candidate default, U - per-user static route, o - C
       P - periodic downloaded static route

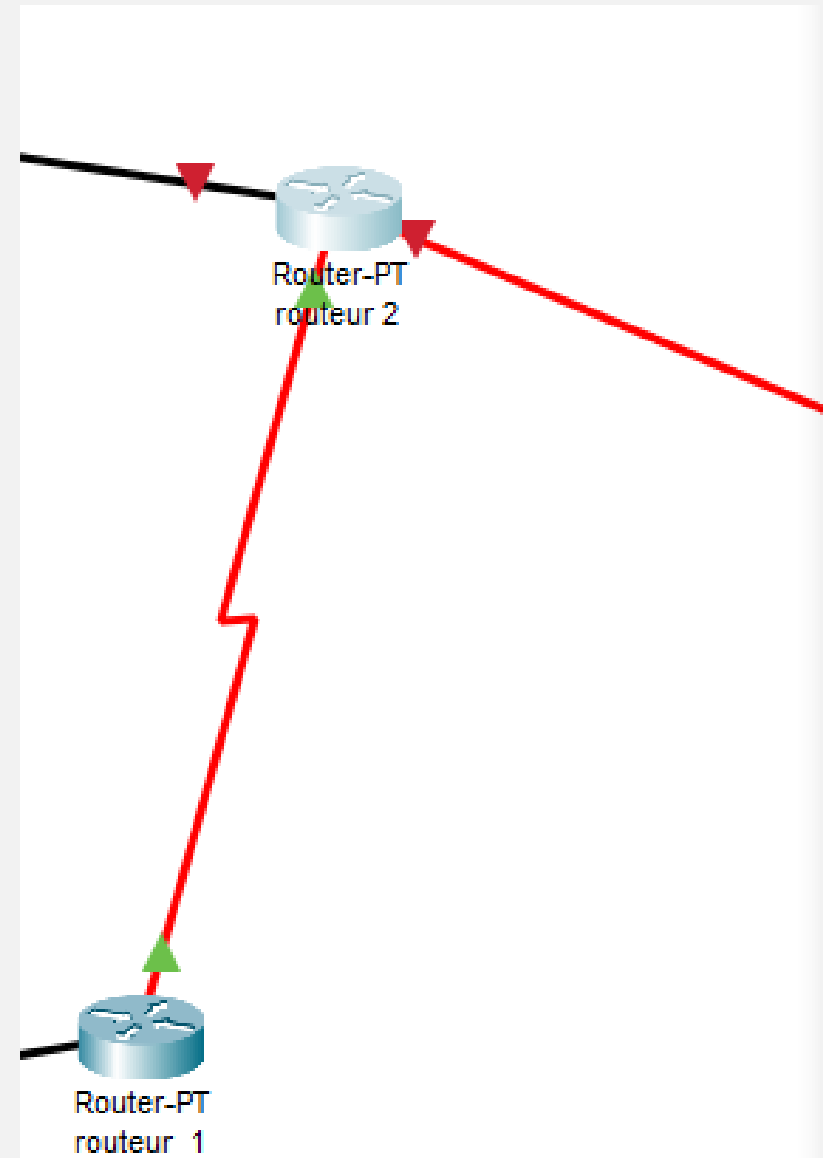
Gateway of last resort is not set

      172.16.0.0/24 is subnetted, 1 subnets
C        172.16.2.0 is directly connected, Serial2/0

R2#
```

Tache 2:

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IOS Command Line Interface

```
R2#show ip route
Codes: C - connected, S - static, I - IGRP, 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, E - EGP
       i - IS-IS, 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, 1 subnets
C       172.16.2.0 is directly connected, Serial2/0
```

```
R2#configure terminal
```

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

```
R2(config)#interface se2/0
```

```
% Invalid input detected at '^' marker.
```

```
R2(config)#interface se2/0
```

```
% Invalid input detected at '^' marker.
```

```
R2(config)#interface se2/0
```

```
R2(config-if)#clock rate 64000
```

```
R2(config-if)#exit
```

```
R2(config)#interface se3/0
```

```
R2(config-if)#ip address 192.168.1.2 255.255.255.0
```

```
R2(config-if)#no shutdown
```

```
%LINK-5-CHANGED: Interface Serial3/0, changed state to down
```

```
R2(config-if)#
```

```
R2(config-if)#
```

Copy

Past

[Top](#)

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```
R3>
R3>
R3>enable
R3#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#interface se3/0
%Invalid interface type and number
R3(config)#interface se1/0
R3(config-if)#ip address 192.168.1.1 255.255.255
^
% Invalid input detected at '^' marker.

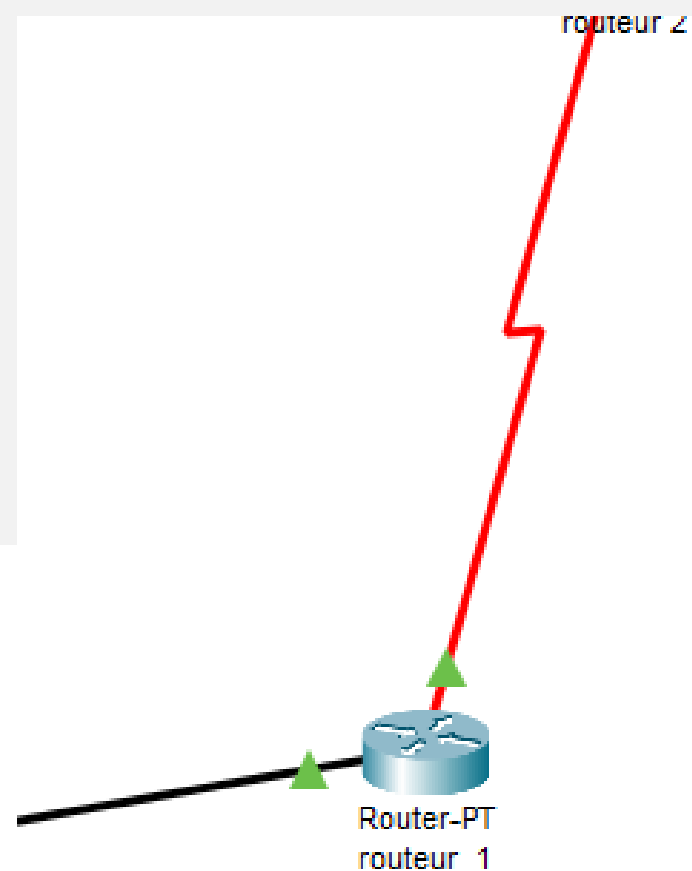
R3(config-if)#
R3(config-if)#ip address 192.168.1.1 255.255.255.0
R3(config-if)#no shutdown

R3(config-if)#
%LINK-5-CHANGED: Interface Serial1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0, changed state to up
```

Conn

Dis



```
R2(config)#interfcae se2/0
^
% Invalid input detected at '^' marker.

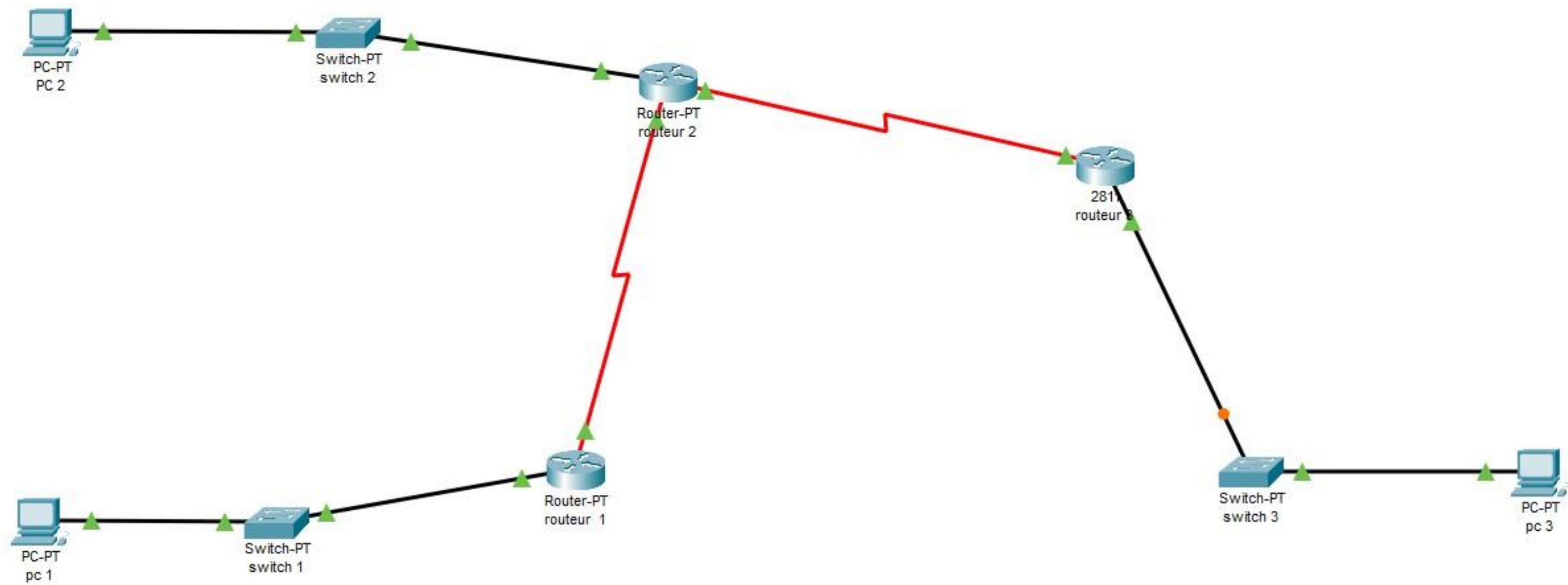
R2(config)#interface se2/0
R2(config-if)#clock rate 64000
R2(config-if)#exit
R2(config)#interface se3/0
R2(config-if)#ip address 192.168.1.2 255.255.255.0
R2(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial3/0, changed state to down
R2(config-if)#
R2(config-if)#
%LINK-5-CHANGED: Interface Serial3/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

R2(config-if)#
R2(config-if)#exit
R2(config)#interface fa0/0
R2(config-if)#ip address 172.16.1.1 255.255.255.0
R2(config-if)#no shutdown

R2(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
```







Tache 3 :

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rio 0 ▾

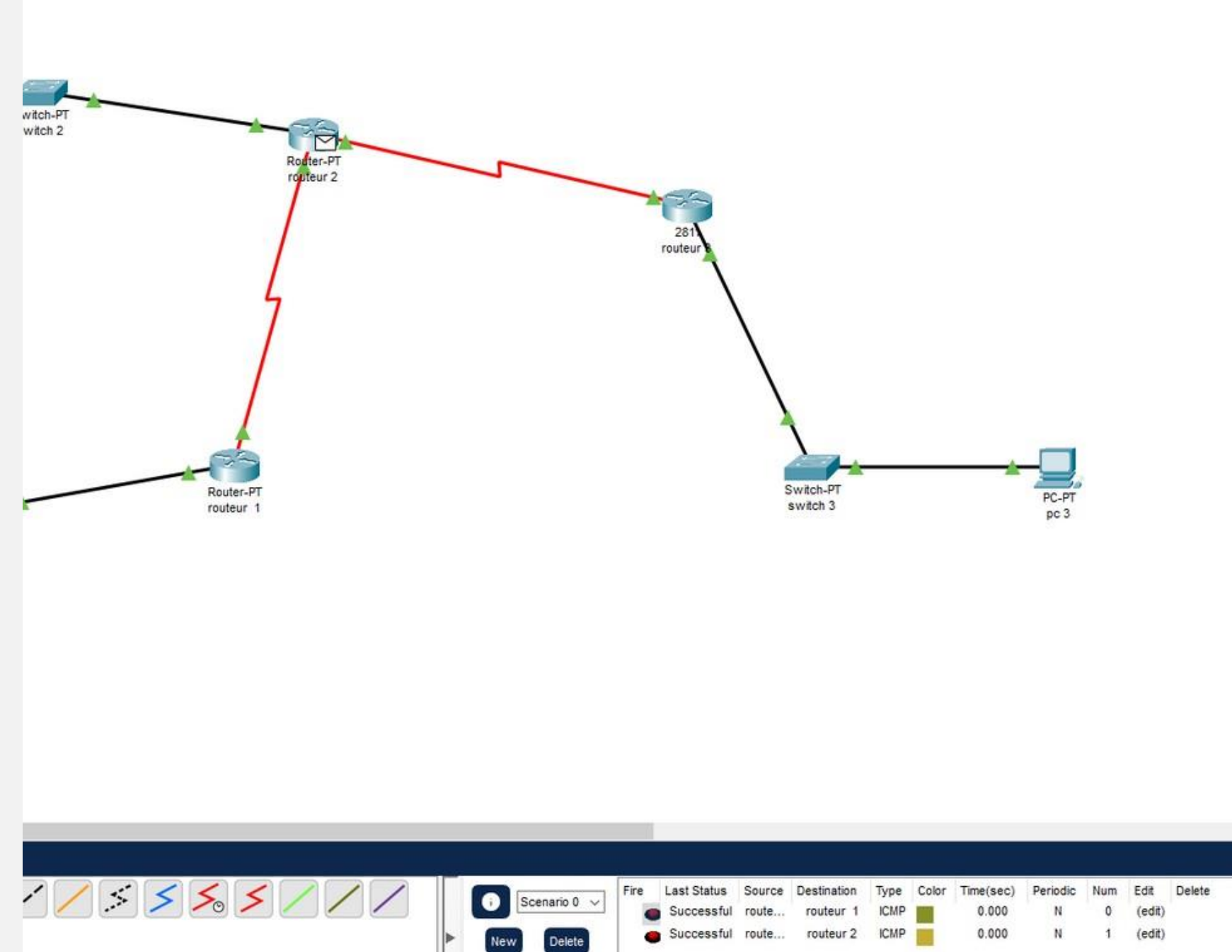
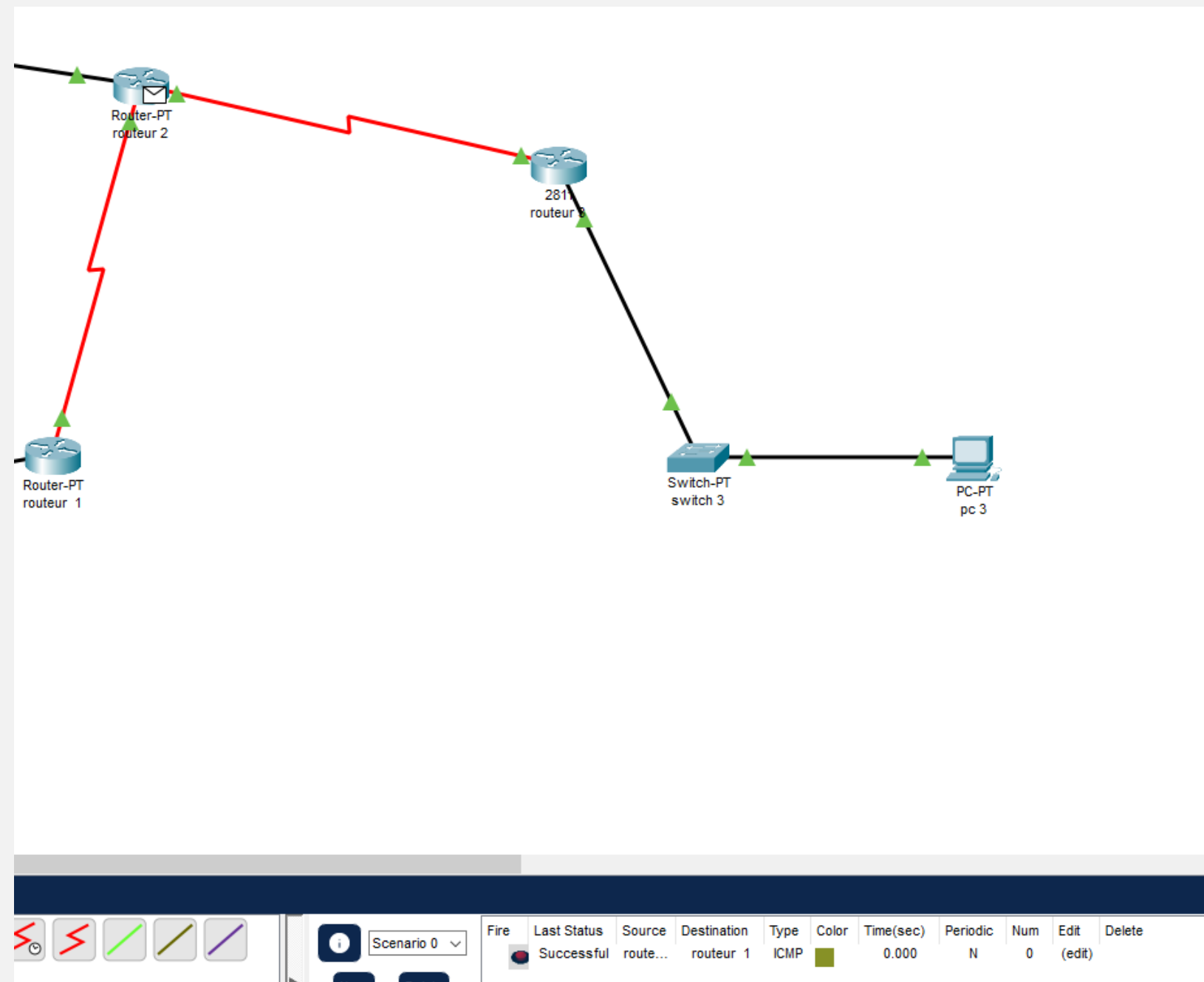
Delete

Window

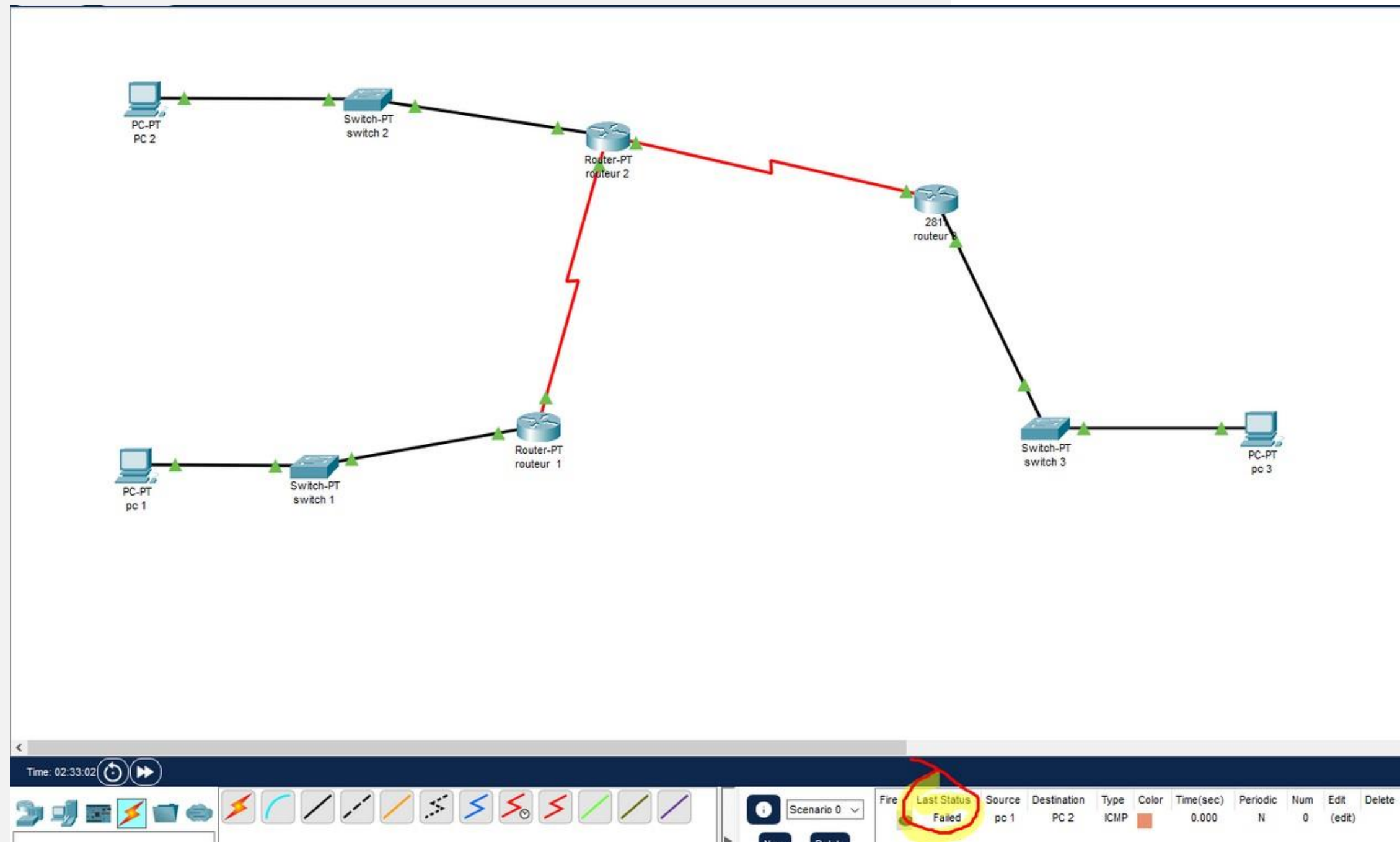
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	pc 1	routeur 1	ICMP		0.000	N	0	(edit)	
	Successful	PC 2	routeur 2	ICMP		0.000	N	1	(edit)	
	Successful	pc 3	routeur 3	ICMP		0.000	N	2	(edit)	

oui il est possible d'envoyer un ping ver la passerelle par default

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ces ping sont echoue car on a pas encore ajoute les interfaces manquants

Tache 4:

Physical Config CLI Attributes

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IOS Command Line Interface

Press RETURN to get started.

```
R1>
R1>show ip route
Codes: C - connected, S - static, I - IGRP, 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, E - EGP
       i - IS-IS, 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, 2 subnets
C      172.16.2.0 is directly connected, Serial2/0
C      172.16.3.0 is directly connected, FastEthernet0/0
```

R1>

```
R2>show ip route
```

```
Codes: C - connected, S - static, I - IGRP, 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, E - EGP
       i - IS-IS, 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, 2 subnets
C      172.16.1.0 is directly connected, FastEthernet0/0
C      172.16.2.0 is directly connected, Serial2/0
C      192.168.1.0/24 is directly connected, Serial3/0
```

R2>

```
R3>show ip route
```

```
Codes: L - local, 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, E - EGP
       i - IS-IS, 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

```
      192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C      192.168.1.0/24 is directly connected, Serial1/0
L      192.168.1.1/32 is directly connected, Serial1/0
      192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
C      192.168.2.0/24 is directly connected, FastEthernet0/0
L      192.168.2.1/32 is directly connected, FastEthernet0/0
```

R3>

18-

**il faut ajoute au reseau une route statique pour tout les reseau qui sont pas au
table de routage**

Tache 5:

19-

```
R3>enable
R3#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#ip route 172.16.1.0 255.255.255.0 ser/0
%Default route without gateway, if not a point-to-point interface, may impact perfor
R3(config)#
R3(config)#exit
R3#
%SYS-5-CONFIG_I: Configured from console by console

R3#
R3#show ip route
Codes: L - local, 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, E - EGP
       i - IS-IS, 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, 1 subnets
S       172.16.1.0/24 is directly connected, Serial1/0
      192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C       192.168.1.0/24 is directly connected, Serial1/0
L       192.168.1.1/32 is directly connected, Serial1/0
      192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
C       192.168.2.0/24 is directly connected, FastEthernet0/0
L       192.168.2.1/32 is directly connected, FastEthernet0/0

R3#
```

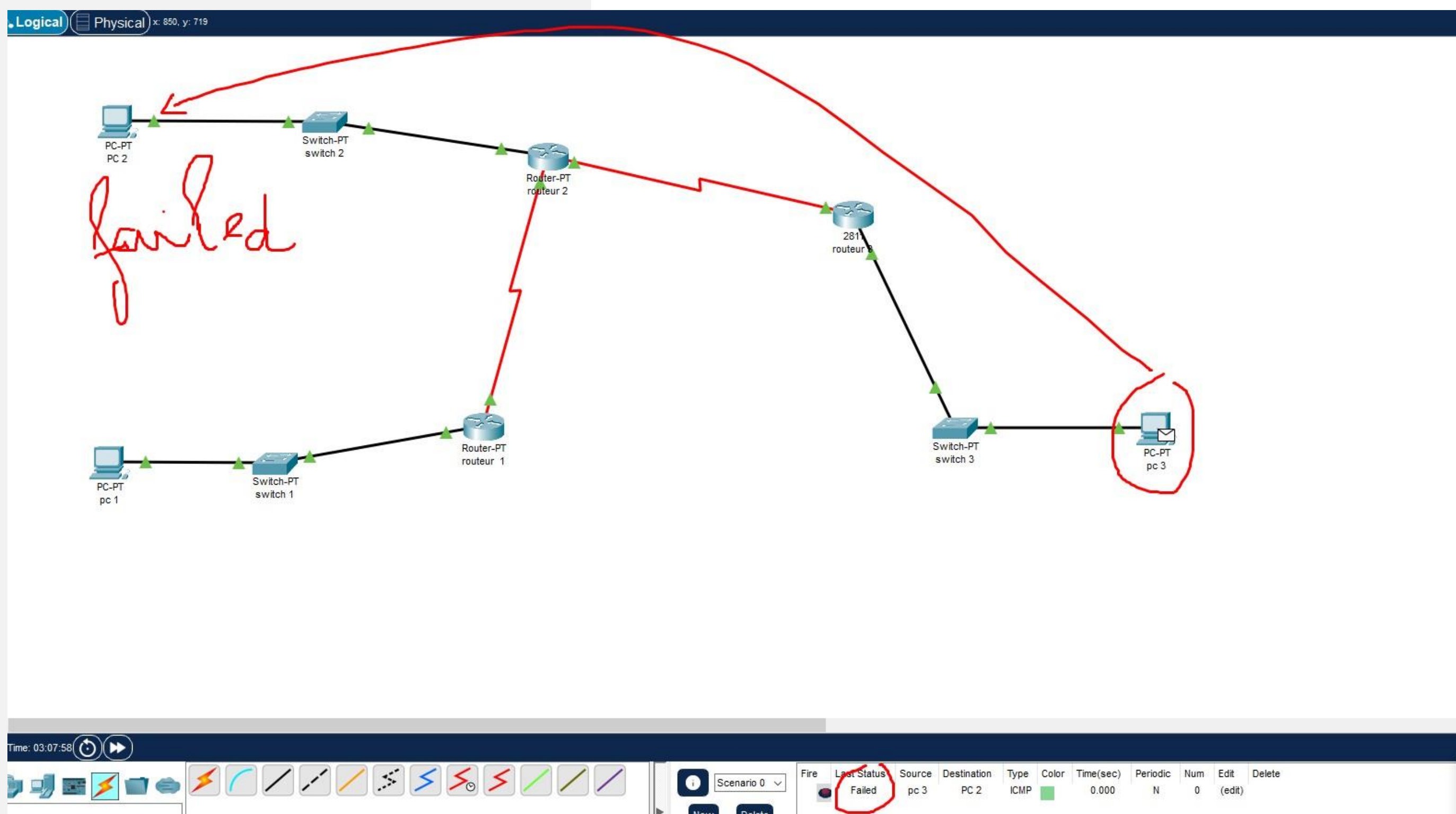
20- R3 va utilise l interface s0/0/1 pou transformer les paquets

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paquet	Adress IP	Rejet ou transfert
1	172.16.2.1	R
2	172.16.1.10	T
3	192.168.1.2	T
4	172.16.3.10	R
5	192.16.2.10	R

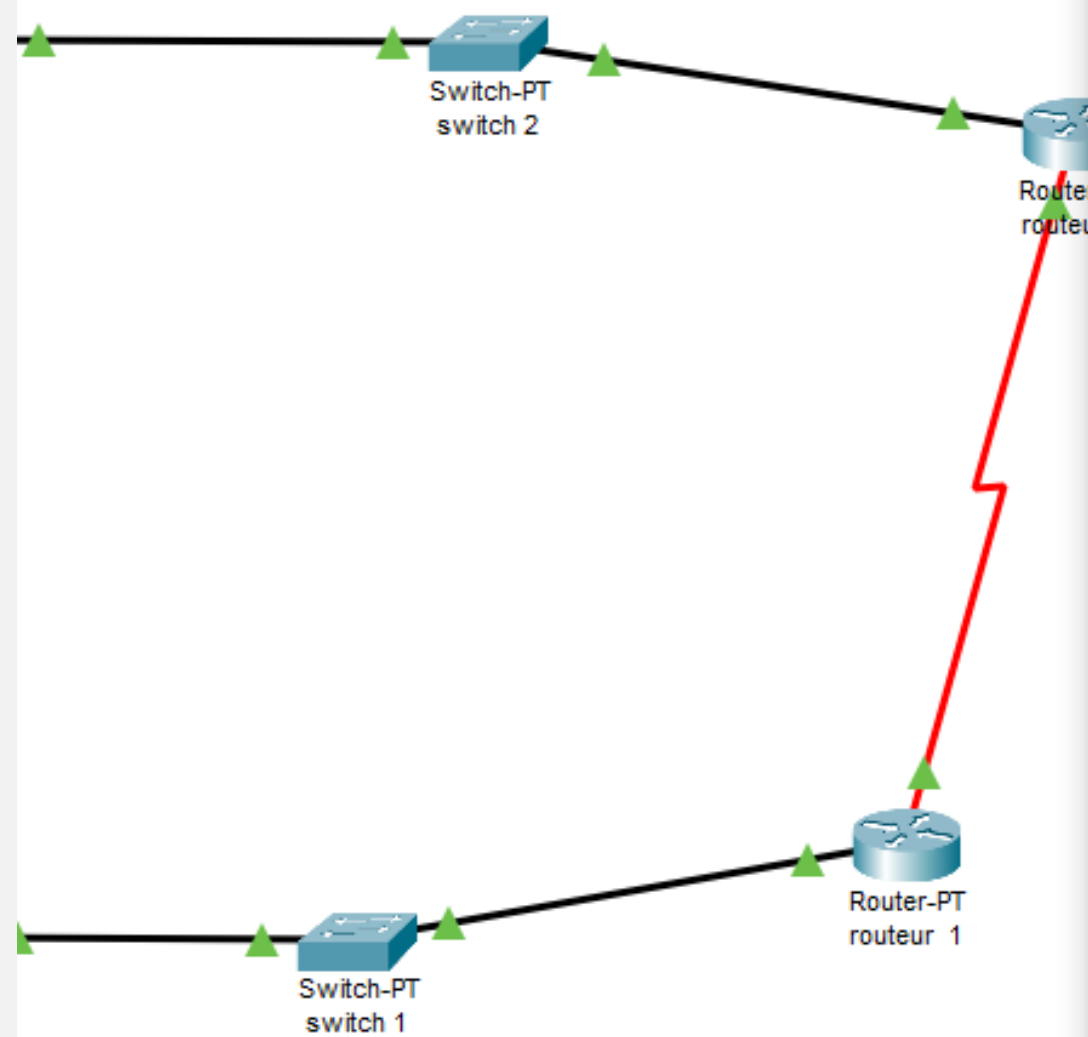
INTERFACE
-
fa0/0
s0/0/1
-
-

22-



failed car on faire la
configuration just sur une
coté

23-



pc 3

Physical Config Desktop Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 172.16.1.10

Pinging 172.16.1.10 with 32 bytes of data:

Reply from 172.16.1.10: bytes=32 time=19ms TTL=126
Reply from 172.16.1.10: bytes=32 time=14ms TTL=126
Reply from 172.16.1.10: bytes=32 time=24ms TTL=126
Reply from 172.16.1.10: bytes=32 time=13ms TTL=126

Ping statistics for 172.16.1.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 13ms, Maximum = 24ms, Average = 17ms

C:\>
```

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le ping est envoyer vers pc 2 car ona la configuration dans les deux sens

Tache 6:

25-

```
R3(config)#ip route 172.16.2.0 255.255.255.0 se2/0
%Default route without gateway, if not a point-to-point interface, may impact p
%Invalid interface type and number
R3(config)#
R3(config)#exit
R3#
%SYS-5-CONFIG_I: Configured from console by console

R3#show ip route
Codes: L - local, 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, E - EGP
       i - IS-IS, 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

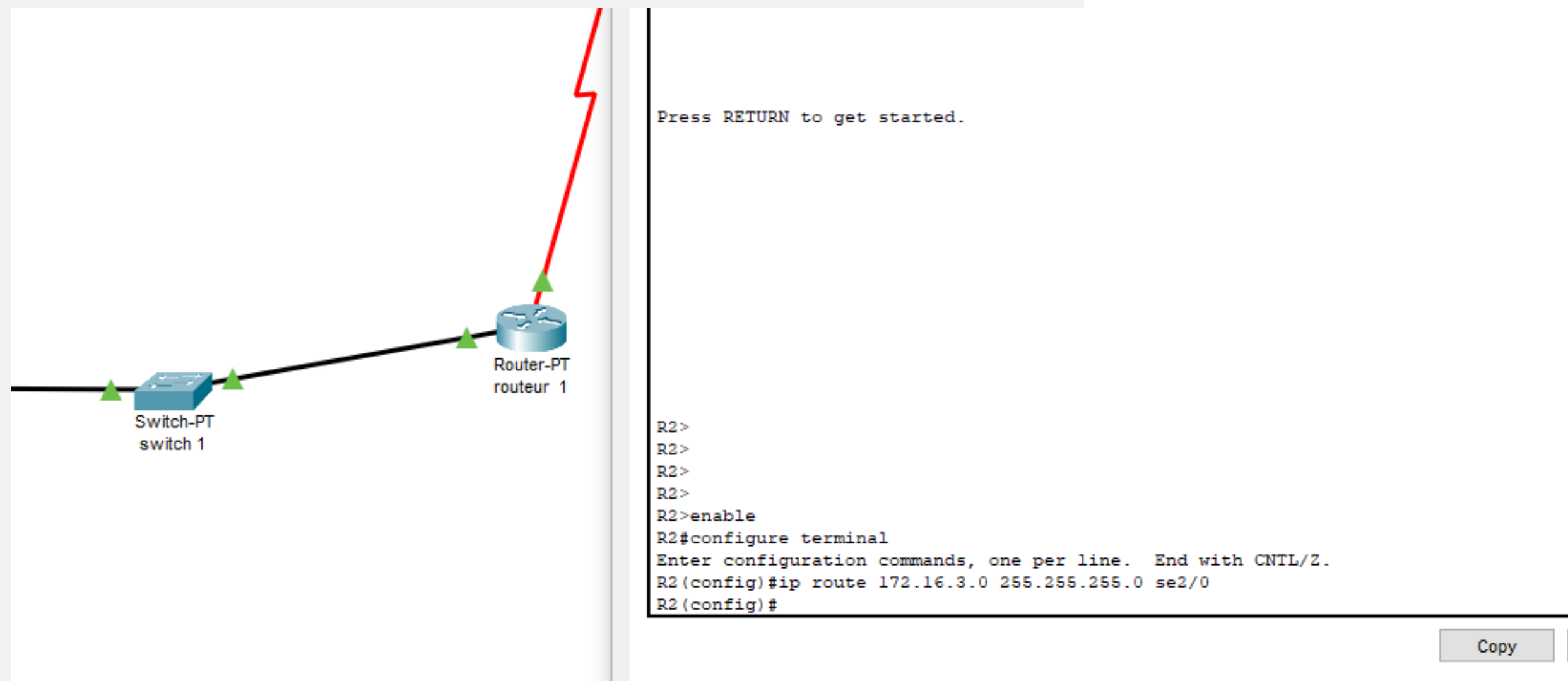
    172.16.0.0/24 is subnetted, 1 subnets
S       172.16.1.0/24 is directly connected, Serial1/0
    192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C       192.168.1.0/24 is directly connected, Serial1/0
L       192.168.1.1/32 is directly connected, Serial1/0
    192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
C       192.168.2.0/24 is directly connected, FastEthernet0/0
L       192.168.2.1/32 is directly connected, FastEthernet0/0

R3#
```

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pour supprimer une des ces routes on utilise la commande **no ip route**

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```
R2#show ip route  
Codes: C - connected, S - static, I - IGRP, 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, E - EGP  
        i - IS-IS, 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       172.16.1.0 is directly connected, FastEthernet0/0  
C       172.16.2.0 is directly connected, Serial2/0  
S       172.16.3.0 is directly connected, Serial2/0  
C     192.168.1.0/24 is directly connected, Serial3/0  
S     192.168.2.0/24 is directly connected, Serial3/0
```

```
R2#
```

oui toutes les routes sont configurees

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```
Pinging 172.16.1.10 with 32 bytes of data:
```

```
Reply from 172.16.3.1: Destination host unreachable.  
Reply from 172.16.3.1: Destination host unreachable.  
Reply from 172.16.3.1: Destination host unreachable.  
Reply from 172.16.3.1: Destination host unreachable.
```

```
Ping statistics for 172.16.1.10:
```

```
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

```
C:\>
```

```
R1>
```

```
R1>show ip route
```

```
Codes: C - connected, S - static, I - IGRP, 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, E - EGP
```

```
        i - IS-IS, 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, 2 subnets
```

```
C        172.16.2.0 is directly connected, Serial2/0
```

```
C        172.16.3.0 is directly connected, FastEthernet0/0
```

```
R1>
```

**le ping n'est pas evoyer car ona pas terminer
la configuration**

Tache 7:

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```
R1>
R1>enable
R1#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#ip route 0.0.0.0 0.0.0.0 se2/0
R1(config)#exit
```

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```
C:\>ping 172.16.3.10

Pinging 172.16.3.10 with 32 bytes of data:

Reply from 172.16.3.10: bytes=32 time=23ms TTL=126
Reply from 172.16.3.10: bytes=32 time=2ms TTL=126
Reply from 172.16.3.10: bytes=32 time=22ms TTL=126
Reply from 172.16.3.10: bytes=32 time=12ms TTL=126

Ping statistics for 172.16.3.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 23ms, Average = 14ms

C:\>
```

ona peut envoyer un ping depuis pc2 a pc1

```
C:\>ping 172.16.3.10

Pinging 172.16.3.10 with 32 bytes of data:

Reply from 192.168.2.1: Destination host unreachable.
Reply from 192.168.2.1: Destination host unreachable.
Reply from 192.168.2.1: Destination host unreachable.
Reply from 192.168.2.1: Destination host unreachable.

Ping statistics for 172.16.3.10:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

P - periodic downloaded static route

Gateway of last resort is not set

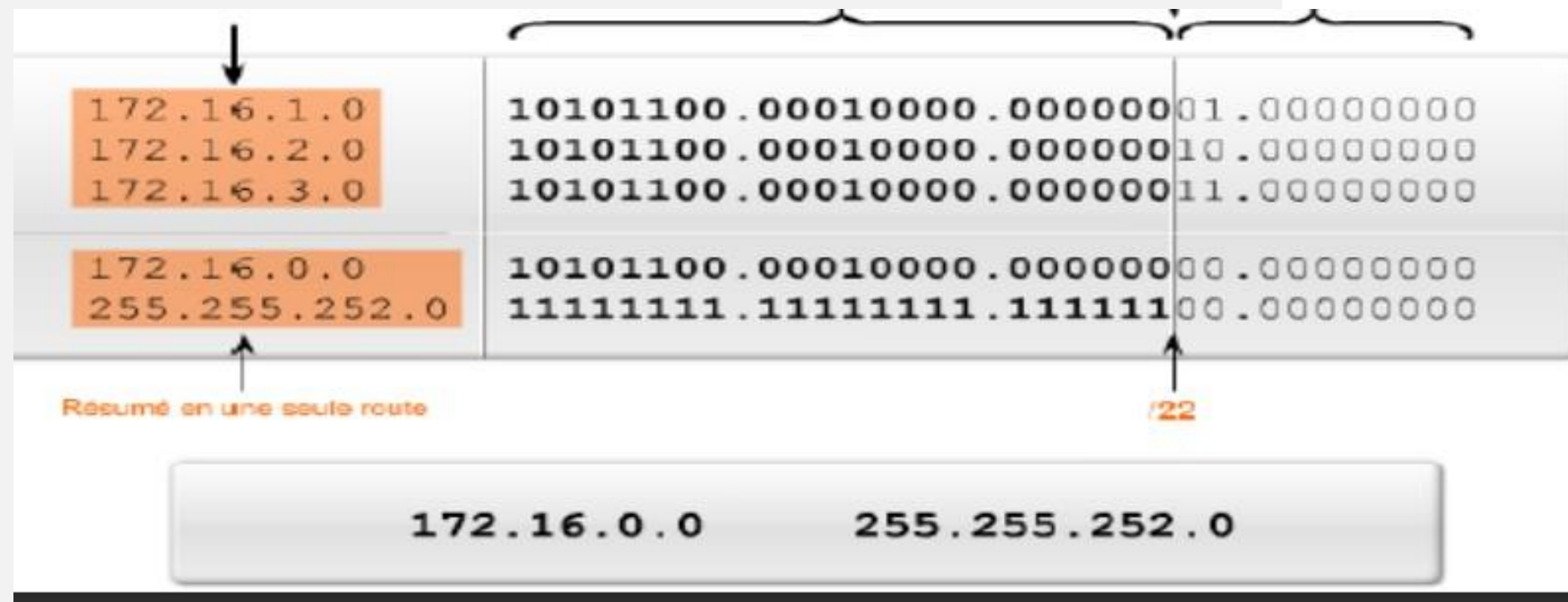
```
    172.16.0.0/24 is subnetted, 1 subnets
S       172.16.1.0/24 is directly connected, Serial1/0
    192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C       192.168.1.0/24 is directly connected, Serial1/0
L       192.168.1.1/32 is directly connected, Serial1/0
    192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
C       192.168.2.0/24 is directly connected, FastEthernet0/0
L       192.168.2.1/32 is directly connected, FastEthernet0/0
```

R3>

no il n y a pas de route vers la destination 172.16.3.0

Tache 8:

32-



33-

```
R3>enable
R3#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#ip route 172.16.0.0 255.255.252.0
% Incomplete command.
R3(config)#ip route 172.16.0.0 255.255.252.0 set/0
%Default route without gateway, if not a point-to-point interface, may impact performance
R3(config)#
```

Copy

Paste

34-

```

R3#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#no ip route 172.16.1.0 255.255.255.0 ser1/0
R3(config)#no ip route 172.16.2.0 255.255.255.0 ser1/0
%No matching route to delete
R3(config)#exit
R3#
%SYS-5-CONFIG_I: Configured from console by console

R3#show ip route
Codes: L - local, 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, E - EGP
       i - IS-IS, 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

      172.16.0.0/22 is subnetted, 1 subnets
S       172.16.0.0/22 is directly connected, Serial1/0
      192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
C       192.168.1.0/24 is directly connected, Serial1/0
L       192.168.1.1/32 is directly connected, Serial1/0
      192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
C       192.168.2.0/24 is directly connected, FastEthernet0/0
L       192.168.2.1/32 is directly connected, FastEthernet0/0

R3#

```

35-

```

C:\>ping 172.16.3.10

Pinging 172.16.3.10 with 32 bytes of data:

Reply from 172.16.3.10: bytes=32 time=23ms TTL=126
Reply from 172.16.3.10: bytes=32 time=2ms TTL=126
Reply from 172.16.3.10: bytes=32 time=22ms TTL=126
Reply from 172.16.3.10: bytes=32 time=12ms TTL=126

Ping statistics for 172.16.3.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 23ms, Average = 14ms

```

Tache 9:

36-

```
Router>
Router>enable
Router#config t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)# interface fa0/1
Router(config-if)#ipv6 address 2001:db8:1:100::2/64
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to u

Router(config-if)#interface fa0/0
Router(config-if)#ipv6 address 2001:db8:1:200::2/64
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to u

Router(config-if)#
Router(config-if)#
Router(config-if)#
```

```
R3>
R3>
R3>enable
R3#config t
Enter configuration commands, one per line.  End with CNTL/Z.
R3(config)#interface fa0/1
R3(config-if)#ipv6 address 2001:db8:1:100::2/64
R3(config-if)#no shutdown

R3(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

R3(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to u
```

37-

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 2001:db8:1:200::

Pinging 2001:db8:1:200:: with 32 bytes of data:

Reply from 2001:DB8:1:200::: bytes=32 time=35ms TTL=128
Reply from 2001:DB8:1:200::: bytes=32 time=8ms TTL=128
Reply from 2001:DB8:1:200::: bytes=32 time<1ms TTL=128
Reply from 2001:DB8:1:200::: bytes=32 time=6ms TTL=128

Ping statistics for 2001:DB8:1:200:::
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 35ms, Average = 12ms

C:\>
```

38-

```
C:\>ping 2001:db8:1:100::

Pinging 2001:db8:1:100:: with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.

Ping statistics for 2001:DB8:1:100:::
    Packets: Sent = 3, Received = 0, Lost = 3 (100% loss),

Control-C
^C
C:\>
```

39- la commande pour afficher le table de routage de R4 est show ipv6 route

```
%SYS-5-CONFIG_I: Configured from console by console

Router#show ipv6 route
IPv6 Routing Table - 5 entries
Codes: C - Connected, L - Local, S - Static, R - RIP, B - BGP
       U - Per-user Static route, M - MIPv6
       I1 - ISIS L1, I2 - ISIS L2, IA - ISIS interarea, IS - ISIS summary
       ND - ND Default, NDp - ND Prefix, DCE - Destination, NDr - Redirect
       O - OSPF intra, OI - OSPF inter, OE1 - OSPF ext 1, OE2 - OSPF ext 2
       ON1 - OSPF NSSA ext 1, ON2 - OSPF NSSA ext 2
       D - EIGRP, EX - EIGRP external
C   2001:DB8:1:100::/64 [0/0]
    via FastEthernet0/1, directly connected
L   2001:DB8:1:100::2/128 [0/0]
    via FastEthernet0/1, receive
C   2001:DB8:1:200::/64 [0/0]
    via FastEthernet0/0, directly connected
L   2001:DB8:1:200::2/128 [0/0]
    via FastEthernet0/0, receive
L   FF00::/8 [0/0]
    via Null0, receive
Router#
```

40-

```
% Invalid input detected at '^' marker.

R3(config)# ipv6 route 2001:db8:1:200::/64 fa0/1
R3(config)#
R3(config)#
```

Copy

41-

```
Router(config)#ipv6 route ::/0 fa0/1
Router(config)#
```

42-

```
C:\>ping 172.16.2.2

Pinging 172.16.2.2 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.16.2.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

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```
C:\>
```

le ping ne pourra pas reussir car on a pas une configuration de ce reseau