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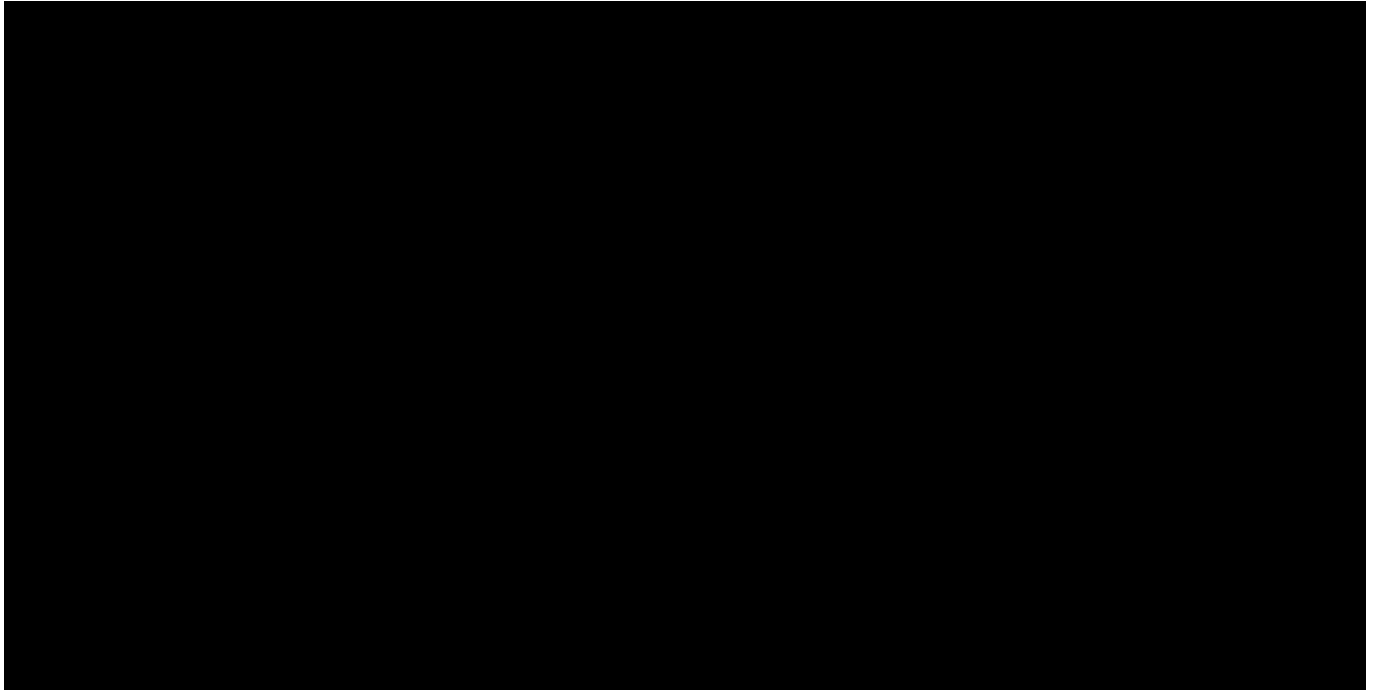
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**QUESTION 1**

Refer to the exhibit.



The speed of all serial links is E1 and the speed of all Ethernet links is 100 Mb/s. A static route will be established on the Manchester router to direct traffic toward the Internet over the most direct path available. What configuration on the Manchester router will establish a route toward the Internet for traffic that originates from workstations on the Manchester LAN?

- A. `ip route 0.0.0.0 255.255.255.0 172.16.100.2`
- B. `ip route 0.0.0.0 0.0.0.0 128.107.1.1`
- C. `ip route 0.0.0.0 255.255.255.252 128.107.1.1`
- D. `ip route 0.0.0.0 0.0.0.0 172.16.100.1`
- E. `ip route 0.0.0.0 0.0.0.0 172.16.100.2`
- F. `ip route 0.0.0.0 255.255.255.255 172.16.100.2`

Correct Answer: E

Explanation

We use default routing to send packets with a remote destination network not in the routing table to the next-hop router. You should generally only use default routing on stub networks--those with only one exit path out of the network.

According to exhibit, all traffic towards Internet that originates from workstations should forward to Router R1.

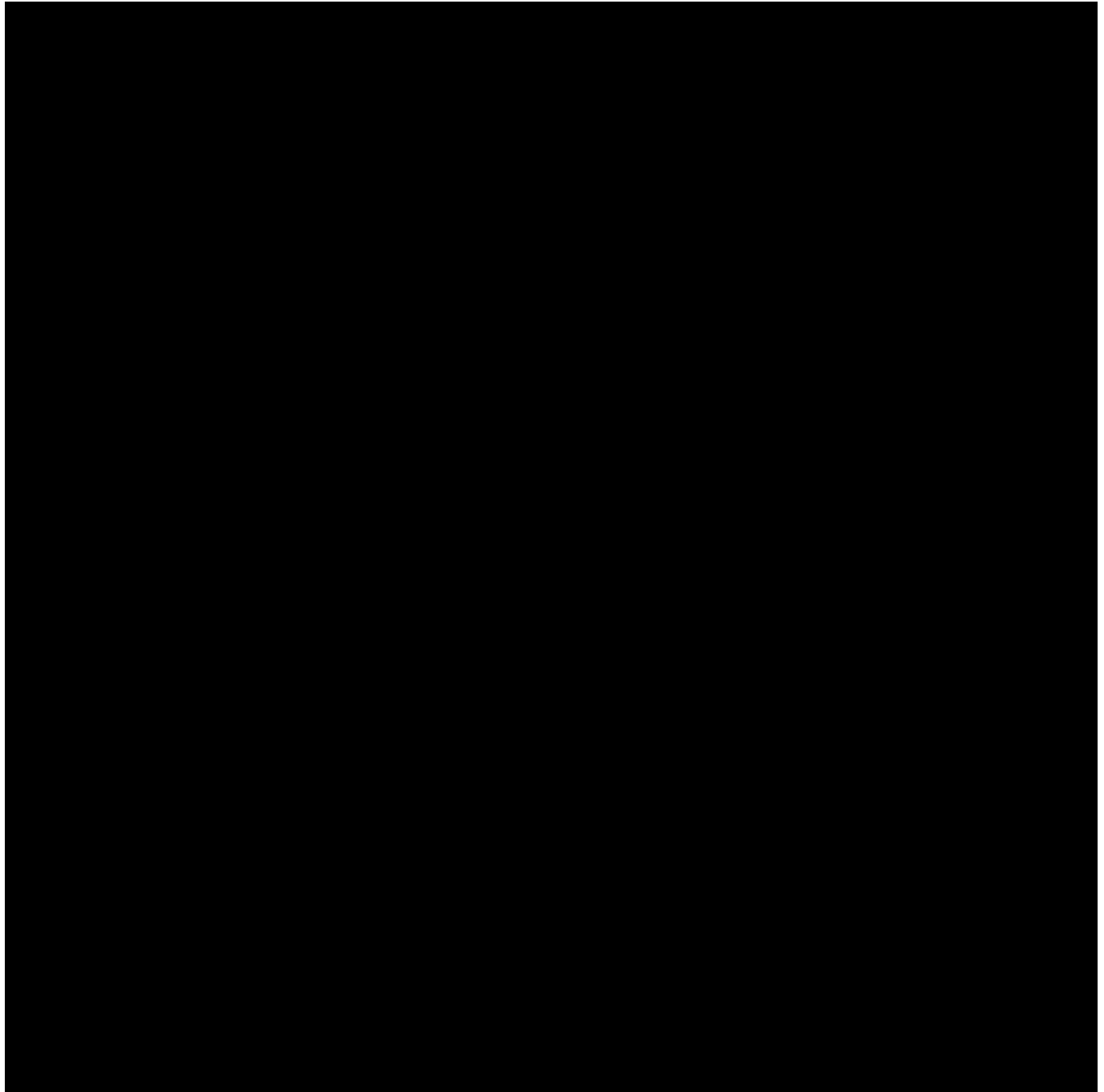
Syntax for default route is:



ip route .

QUESTION 2

Refer to the exhibit A frame on vlan 1 on switch s1 is sent to switch s2 when the frame is received on vlan 2, what causes this behavior?



- A. trunk mode mismatches
- B. vlans that do not correspond to a unique IP subnet



C. native vlan mismatches

D. allowing only vlan 2 on the destination.

Correct Answer: C

Explanation

QUESTION 3

Which tunneling mechanism embeds an IPv4 address within an IPv6 address?

A. Teredo

B. 6to4

C. 4to6

D. GRE

E. ISATAP

Correct Answer: B

Explanation

Explanation: ref :<https://tools.ietf.org/html/rfc6052#section-2>

QUESTION 4

Which port security violation mode allows traffic from valid mac address to pass but block traffic from invalid mac address?

A. protect

B. shutdown

C. shutdown vlan

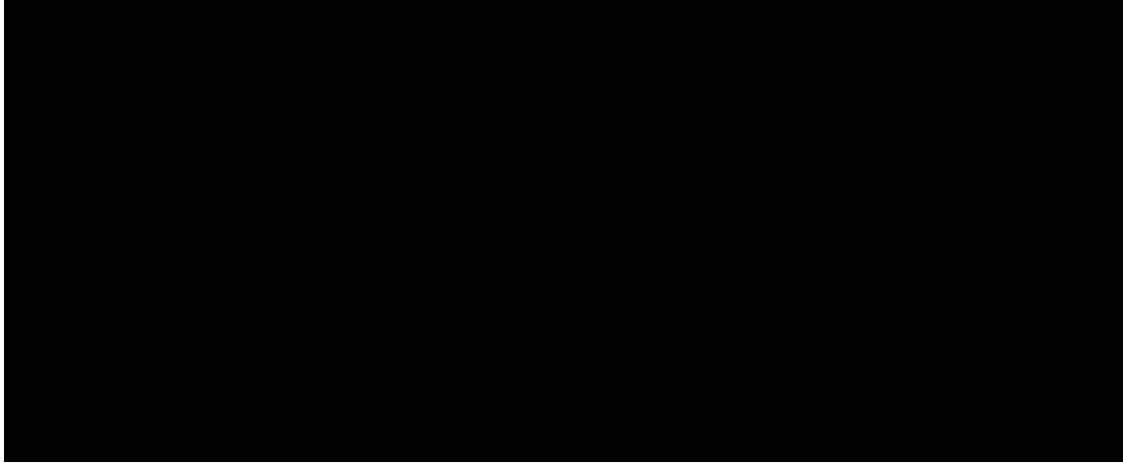
D. restrict

Correct Answer: A

Explanation

QUESTION 5

Refer to the exhibit.



The network shown in the diagram is experiencing connectivity problems. Which of the following will correct the problems? (Choose two.)

- A. Configure the gateway on Host A as 10.1.1.1.
- B. Configure the gateway on Host B as 10.1.2.254.
- C. Configure the IP address of Host A as 10.1.2.2.
- D. Configure the IP address of Host B as 10.1.2.2.
- E. Configure the masks on both hosts to be 255.255.255.224.
- F. Configure the masks on both hosts to be 255.255.255.240.

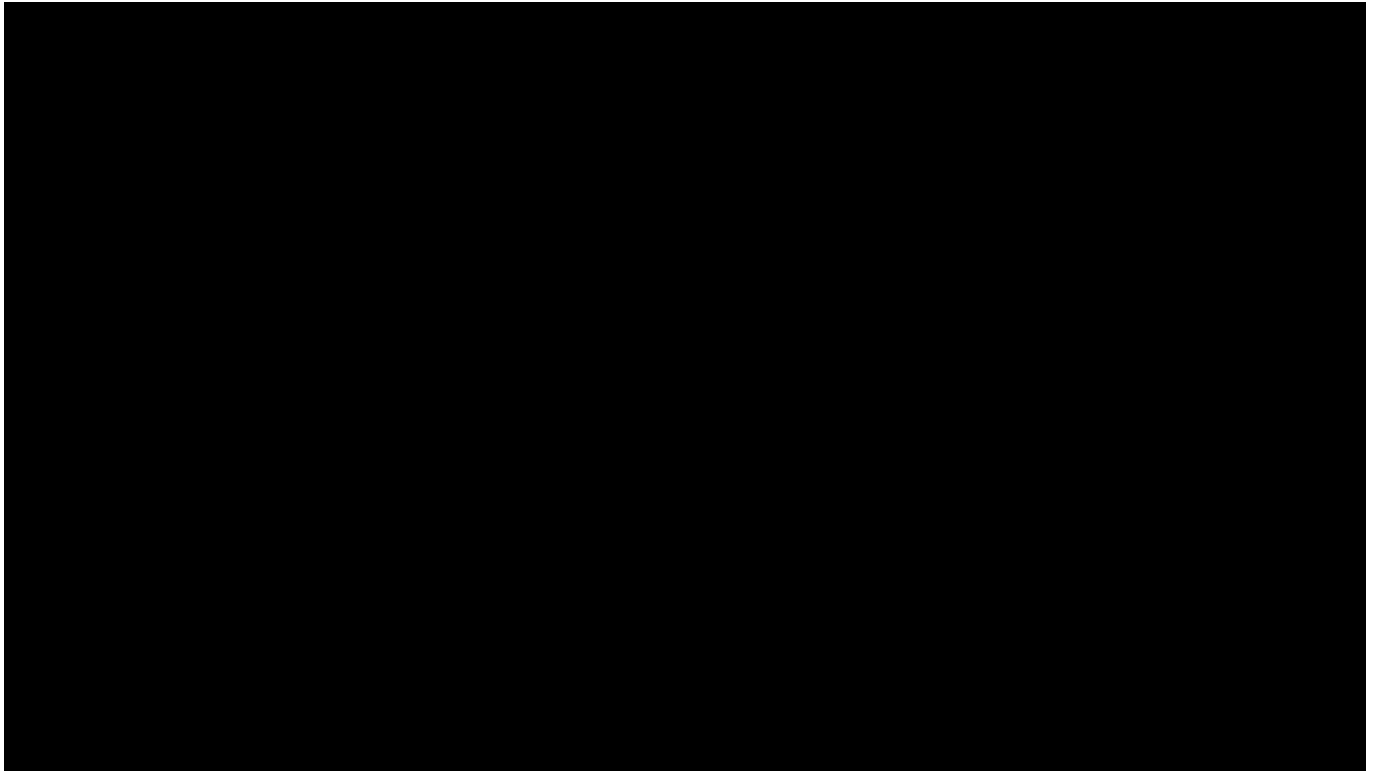
Correct Answer: BD

The switch 1 is configured with two VLANs: VLAN1 and VLAN2. The IP information of member Host A in VLAN1 is as follows: Address : 10.1.1.126 Mask : 255.255.255.0 Gateway : 10.1.1.254 The IP information of member Host B in VLAN2 is as follows: Address : 10.1.1.12 Mask : 255.255.255.0 Gateway : 10.1.1.254 The configuration of sub-interface on router 2 is as follows: Fa0/0.1 -- 10.1.1.254/24 VLAN1 Fa0/0.2 -- 10.1.2.254/24 VLAN2 It is obvious that the configurations of the gateways of members in VLAN2 and the associated network segments are wrong. The layer3 addressing information of Host B should be modified as follows: Address : 10.1.2.X Mask : 255.255.255.0

QUESTION 6

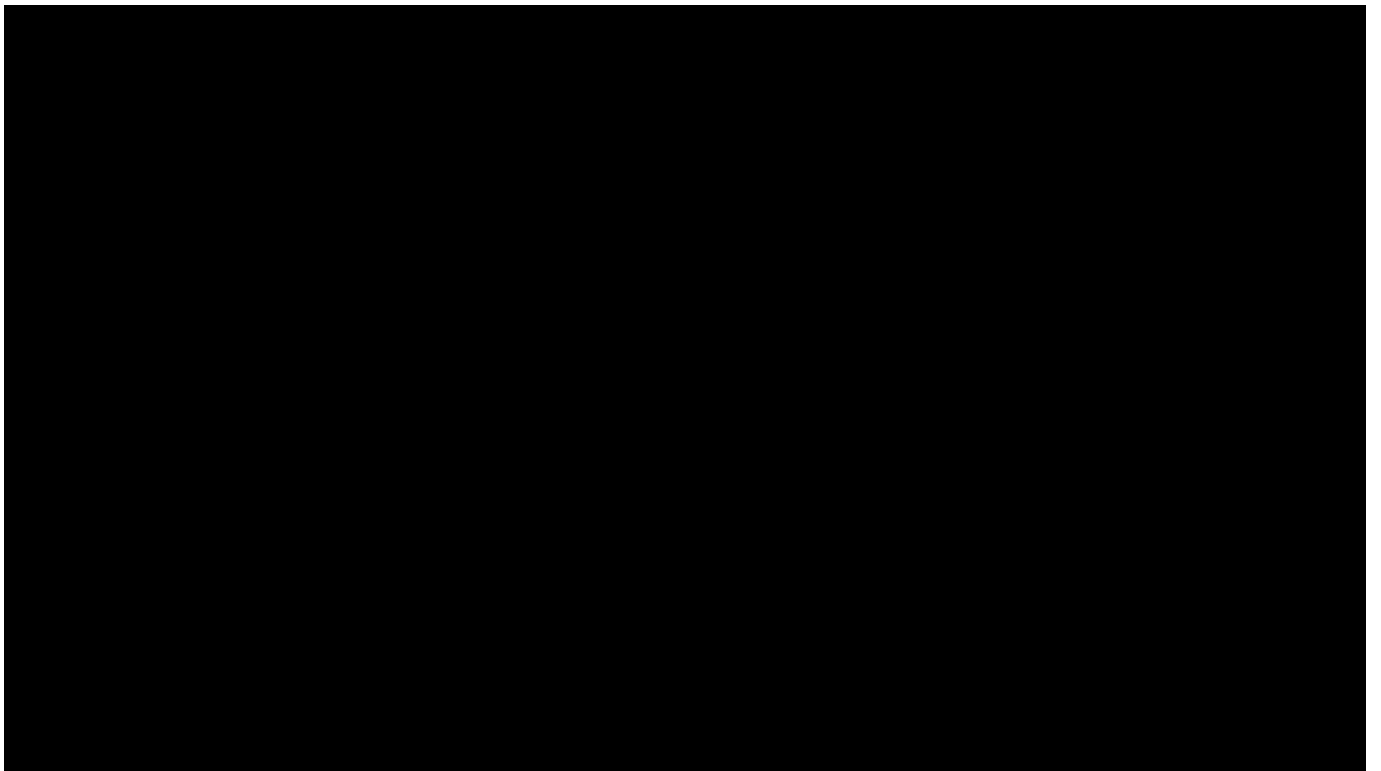
Drag and Drop

Select and Place:



Correct Answer:

Explanation

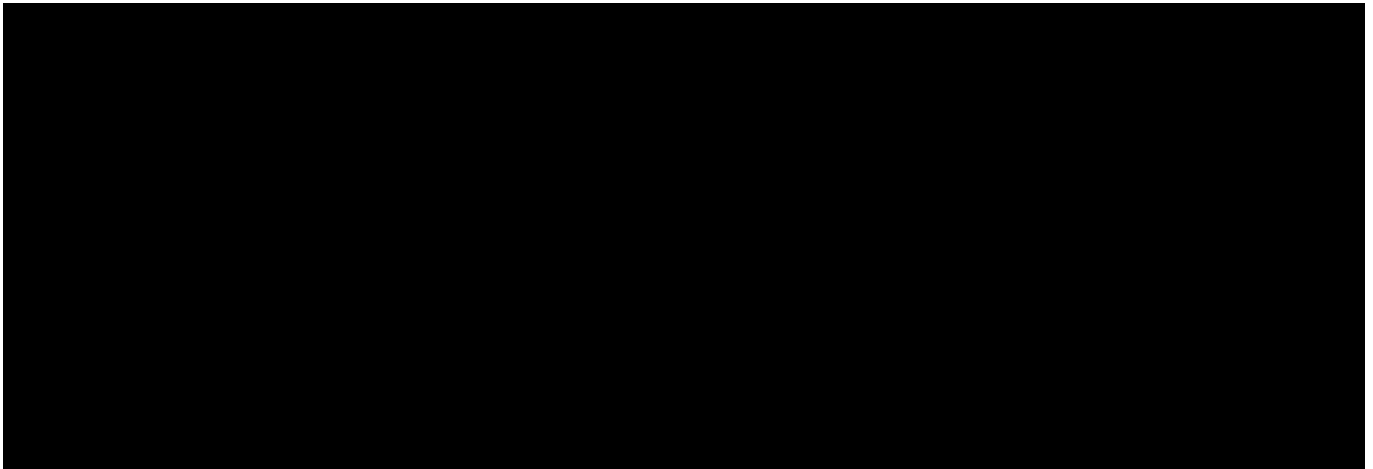


Explanation

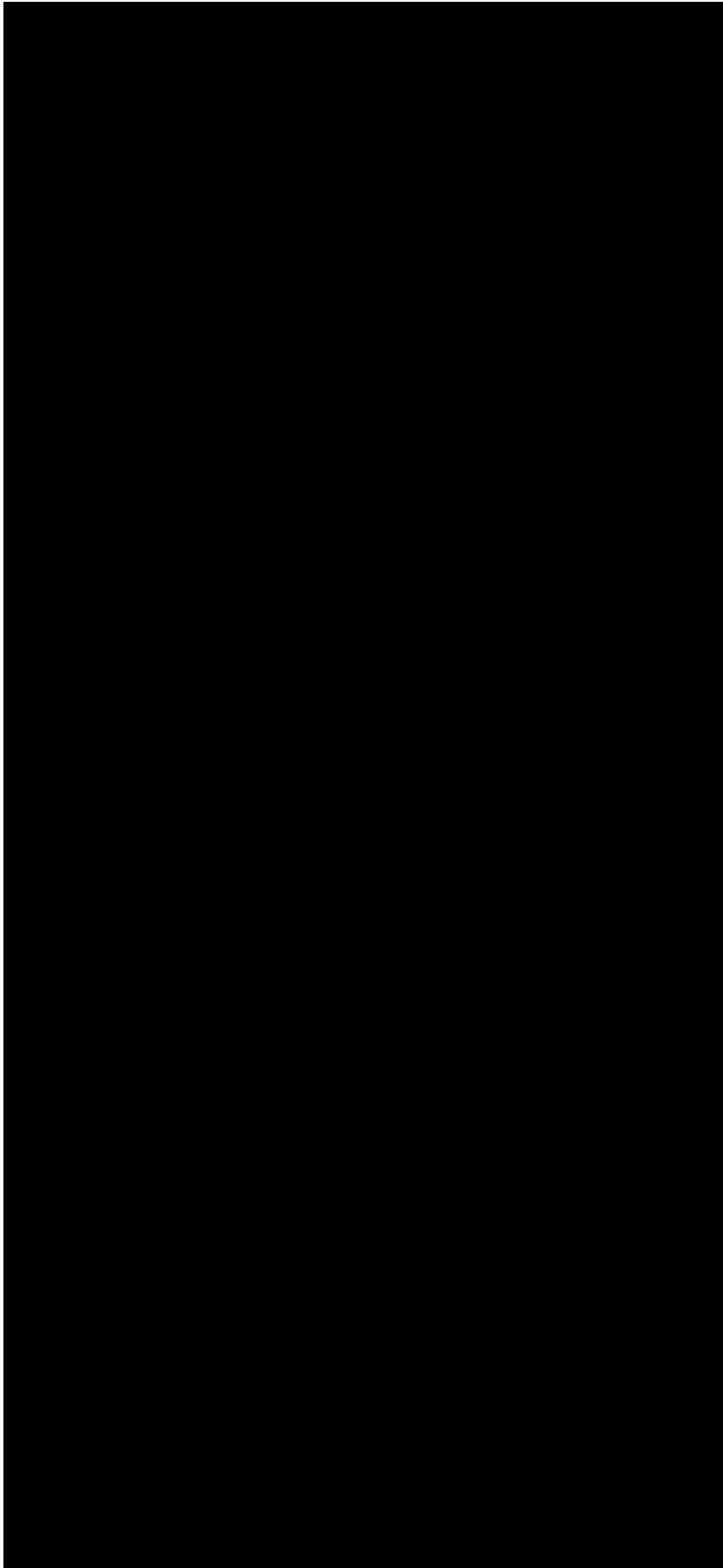


QUESTION 7

An administrator is trying to ping and telnet from SwitchC to RouterC with the results shown below.



Click the console connected to RouterC and issue the appropriate commands to answer the questions.





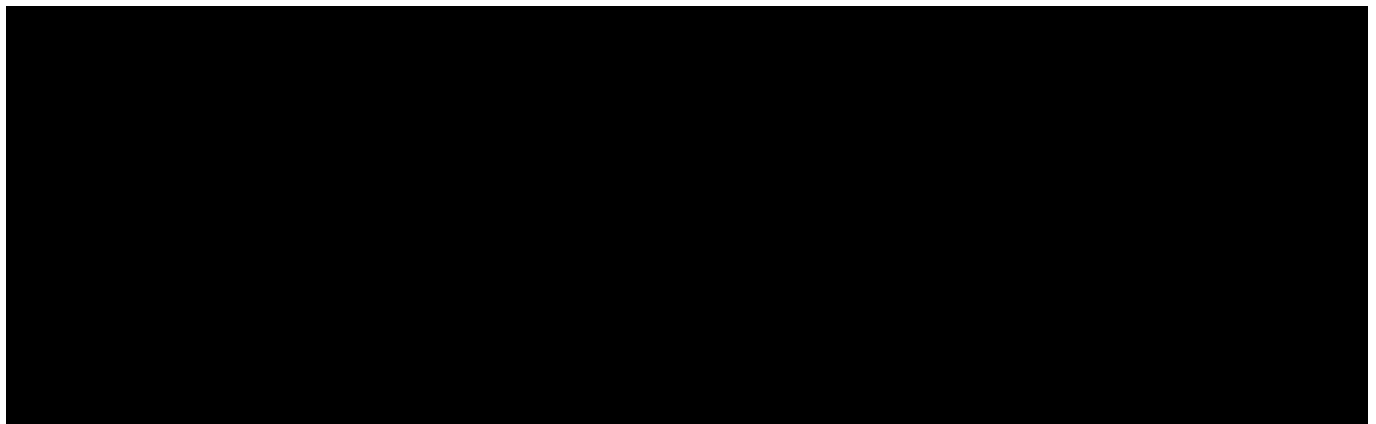
What would be the effect of issuing the command `ip access-group 115 in` on the `s0/0/1` interface?

- A. No host could connect to RouterC through `s0/0/1`.
- B. Telnet and ping would work but routing updates would fail.
- C. FTP, FTP-DATA, echo, and www would work but telnet would fail.
- D. Only traffic from the 10.4.4.0 network would pass through the interface.

Correct Answer: A

Explanation

First let's see what was configured on interface `S0/0/1`:



QUESTION 8

Which two options are fields in an ethernet frame ? choose two

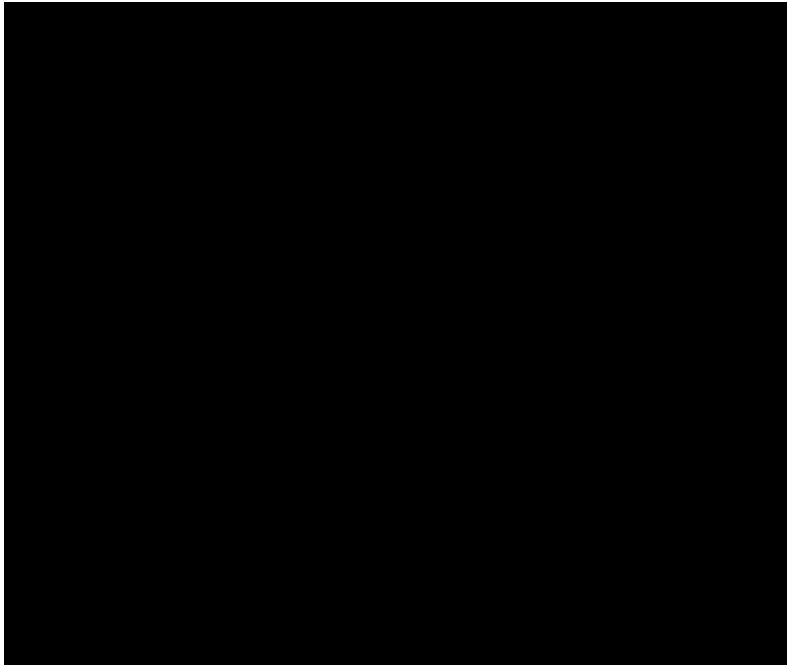
- A. destination ip address
- B. source ip address
- C. type
- D. frame check sequence
- E. header

Correct Answer: CD

Explanation

QUESTION 9

Refer to the exhibit.



You have discovered that computers on the 192.168.10.0/24 network can ping their default gateway, but they cannot connect to any resources on a remote network. Which reason for the problem is most likely true?

- A. The 192.168.10.0/24 network is missing from OSPF
- B. The OSPF process ID is incorrect
- C. The OSPF area number is incorrect.
- D. An ARP table entry is missing for 192.168.10.0.
- E. A VLAN number is incorrect for 192.168.10.0.

Correct Answer: A

QUESTION 10

Which IPv6 feature is supported in IPv4 but is not commonly used?

- A. unicast
- B. multicast
- C. anycast
- D. broadcast

Correct Answer: C

Explanation



QUESTION 11

What command instructs the device to timestamp Syslog debug messages in milliseconds?

A. service timestamps log datetime localtime



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