



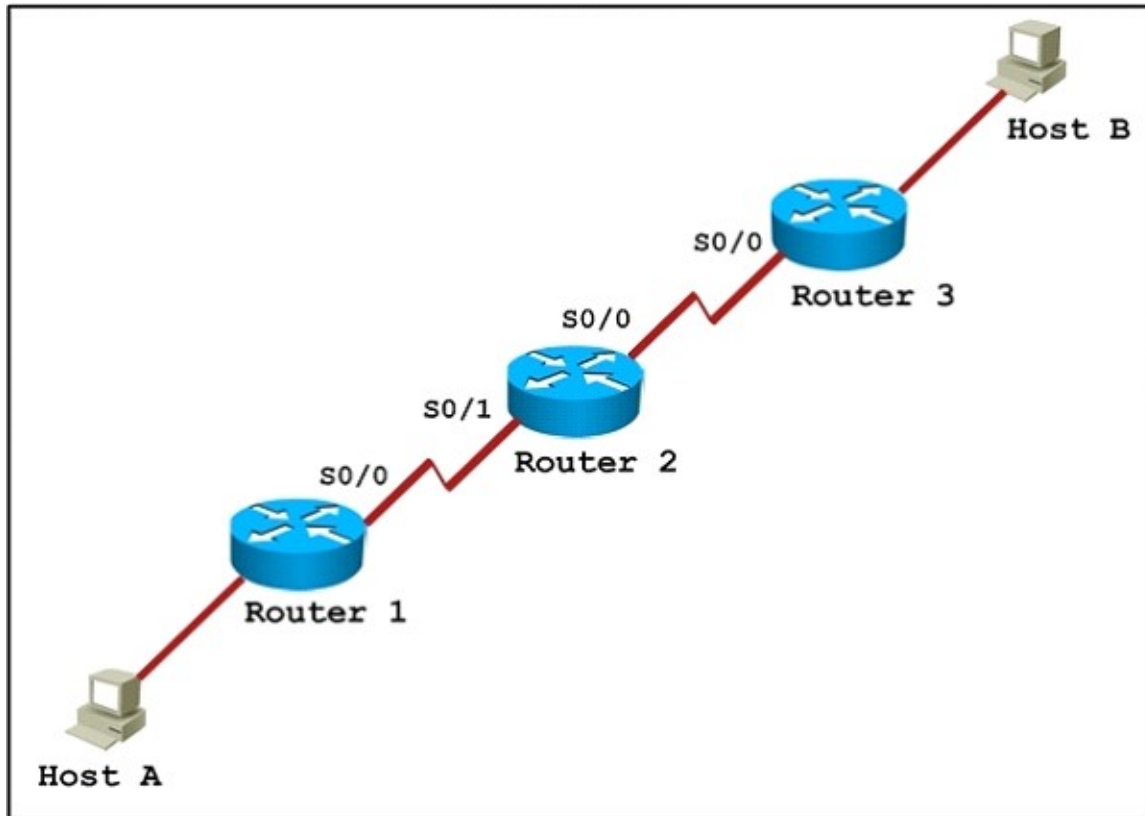
**Vendor: Cisco**

**Exam Code: 200-125**

**Exam Name: CCNA Routing and Switching v3.0**

### QUESTION 1

Refer to the exhibit. Host A pings interface S0/0 on router 3. What is the TTL value for that ping?



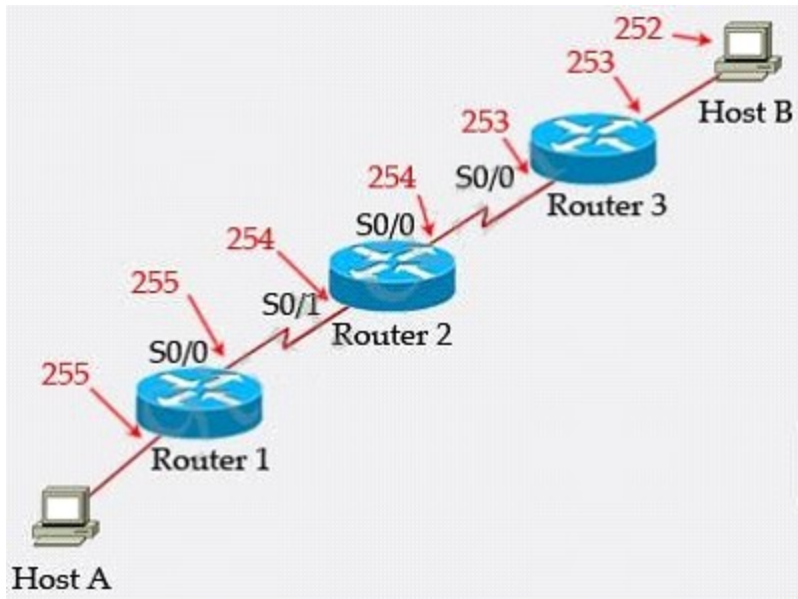
- A. 252
- B. 253
- C. 254
- D. 255

**Correct Answer:** B

**Explanation:**

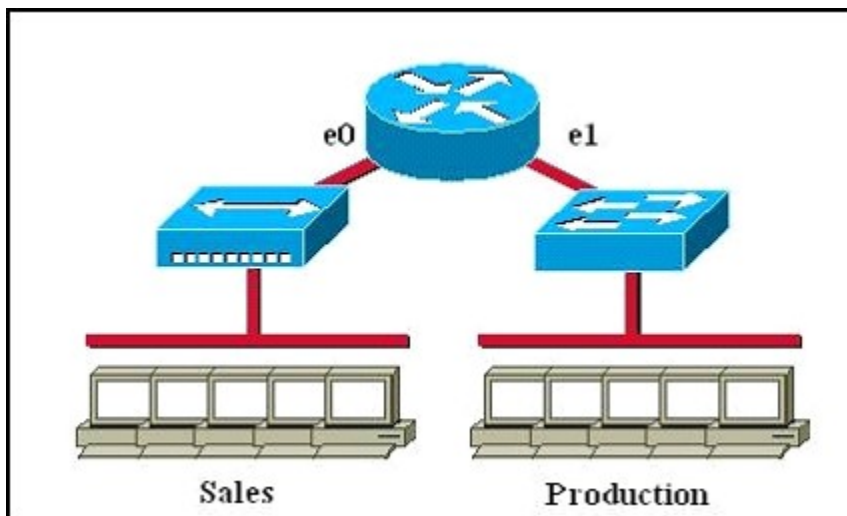
From the CCNA ICND2 Exam book: "Routers decrement the TTL by 1 every time they forward a packet; if a router decrements the TTL to 0, it throws away the packet. This prevents packets from rotating forever." I want to make it clear that before the router forwards a packet, the TTL is still remain the same. For example in the topology above, pings to S0/1 and S0/0 of Router 2 have the same TTL. The picture below shows TTL values for each interface of each router and for Host B.

Notice that Host A initializes ICMP packet with a TTL of 255:



### QUESTION 2

Which of the following statements describe the network shown in the graphic? (Choose two.)



- A. There are two broadcast domains in the network.
- B. There are four broadcast domains in the network.
- C. There are six broadcast domains in the network.
- D. There are four collision domains in the network.
- E. There are five collision domains in the network.
- F. There are seven collision domains in the network.

**Correct Answer:** AF

#### Explanation:

Only router can break up broadcast domains so in the exhibit there are 2 broadcast domains: from e0 interface to the left is a broadcast domain and from e1 interface to the right is another broadcast domain ->.

Both router and switch can break up collision domains so there is only 1 collision domain on the

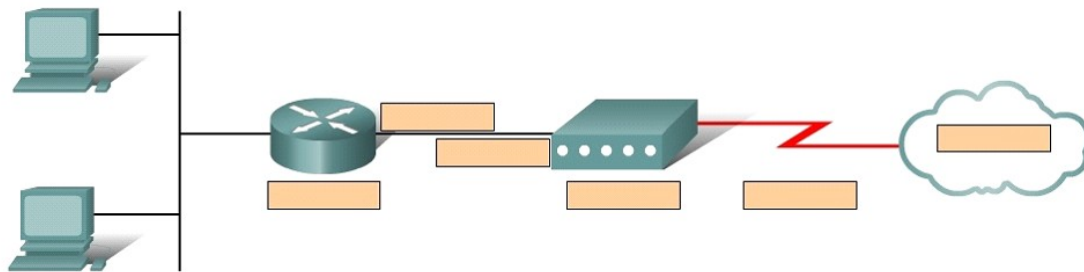
left of the router (because hub doesn't break up collision domain) and there are 6 collision domains on the right of the router (1 collision domain from e1 interface to the switch + 5 collision domains for 5 PCs in Production) ->.

### QUESTION 3

#### DRAG DROP

Refer to the exhibit. Complete this network diagram by dragging the correct device name or description to the correct location. Not all the names or descriptions will be used.

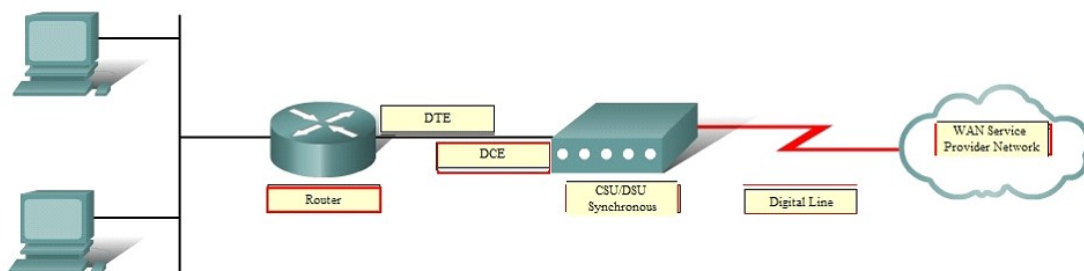
Refer to the exhibit. Complete this network diagram by dragging the correct device name or description to the correct location. Not all the names or descriptions will be used.



- Digital Line
- CSU/DSU Synchronous
- Analog Modem Asynchronous
- WAN Service Provider Network
- Router
- Switch
- DTE
- DCE

#### Correct Answer:

Refer to the exhibit. Complete this network diagram by dragging the correct device name or description to the correct location. Not all the names or descriptions will be used.



- Digital Line
- CSU/DSU Synchronous
- Analog Modem Asynchronous
- WAN Service Provider Network
- Router
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### QUESTION 4