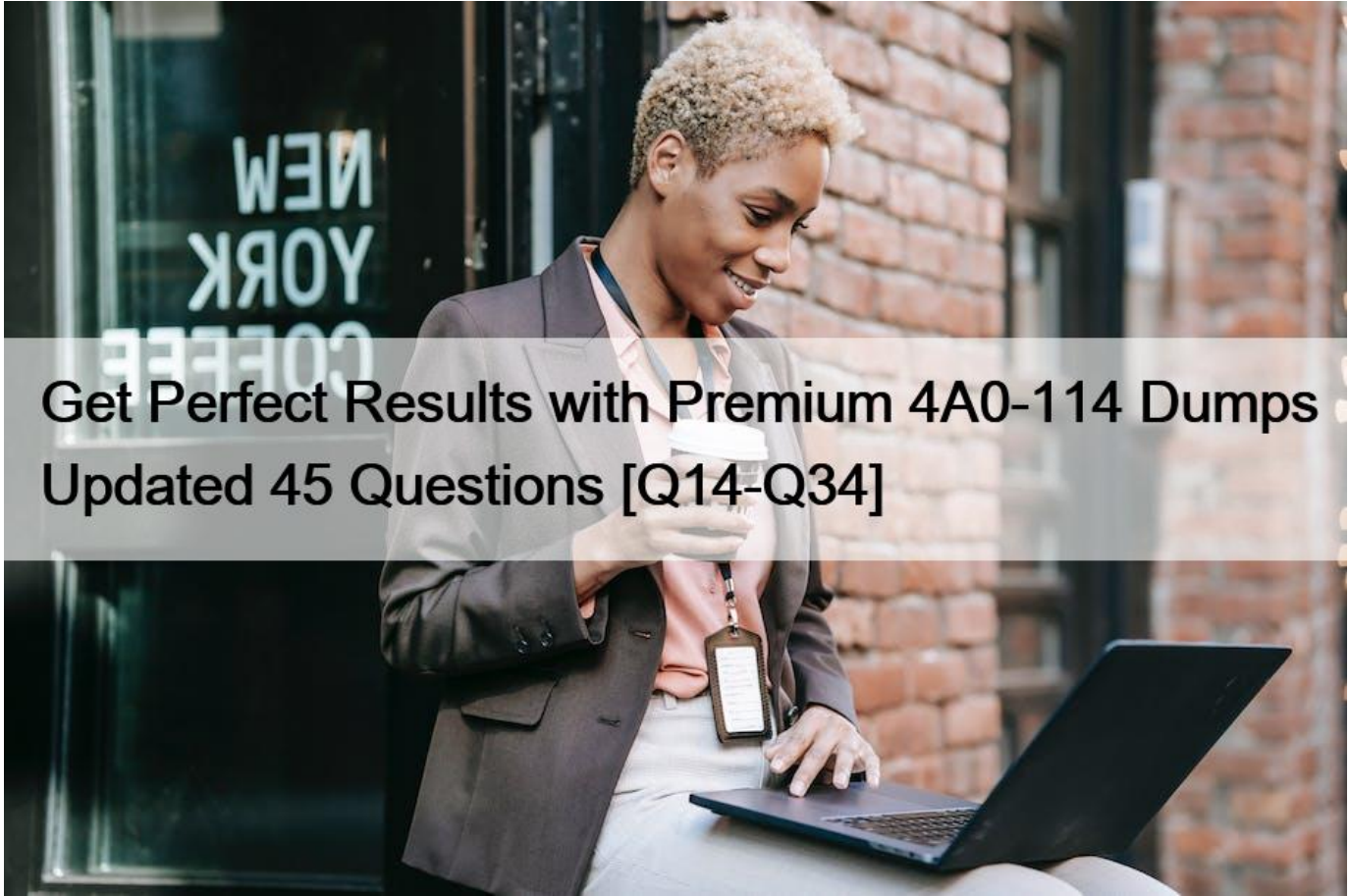
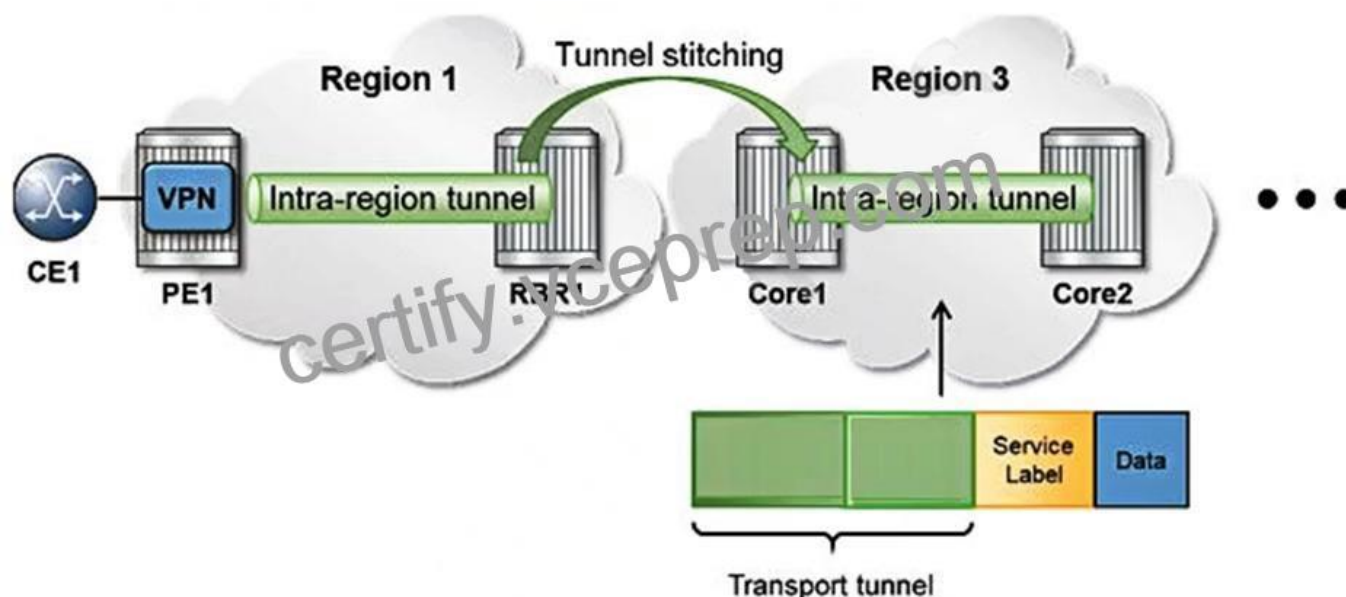


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Get Perfect Results with Premium 4A0-114 Dumps Updated 45 Questions Free 4A0-114 Exam Study Guide for the NEW Dumps Test Engine QUESTION 14

In the diagram below, a data packet is sent from CE1 to a far-end CE2 over a VPRN service across multiple regions. Which of the following statements about the tunnel labels is FALSE?



- * The outer label is an RSVP, LDP, or segment routing label pushed by router Core1.
- * The second label is a BGP label pushed by router RBR1.
- * The service label is a label pushed by router PE1.
- * The outer label will be popped by router Core2.

QUESTION 15

What is the result of configuring the following policy statement as a BGP import policy on the Nokia 7750 SR?

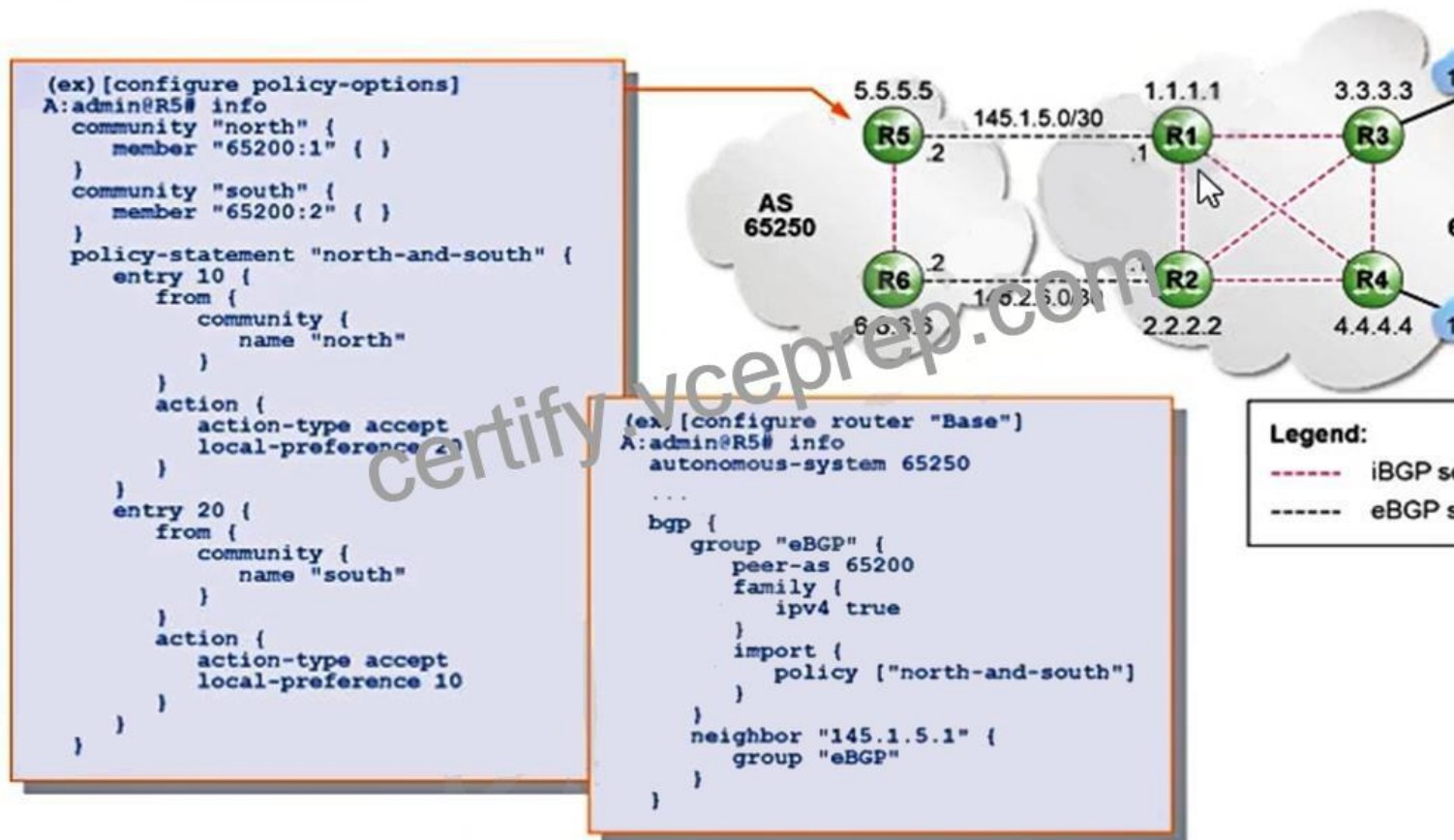
```

policy-statement "Policy-1"
  entry 10
    from
      protocol bgp
      prefix-list "List-1" "List-2"
    exit
    action reject
  exit
exit
default-action accept
    
```

- * All BGP routes are accepted.
- * All routes matching prefix lists List-1 and List-2 are rejected.
- * BGP routes matching prefix lists List-1 or List-2 are rejected.
- * BGP routes matching prefix lists List-1 and List-2 are rejected.

QUESTION 16

In the diagram, the BGP import policy north-and-south is applied to router R5. Router R1 advertises the prefix 140.100.1.0/24 with a community set to 65200:1. Which of the following statements about how router R5 processes the received route update for prefix 140.100.1.0/24 is TRUE?



- * The prefix is rejected.
- * The prefix's local preference is set to 20.
- * The prefix's community value is removed.
- * The prefix's community value is modified to 65200:2.

QUESTION 17

Which of the following statements about router reflectors is FALSE?

- * A full iBGP mesh is required among route reflectors.
- * A route reflector can have both iBGP and eBGP clients.
- * A router reflector disables the iBGP split-horizon rule for its clients.
- * Route reflectors are used to reduce the number of iBGP sessions required in an AS.

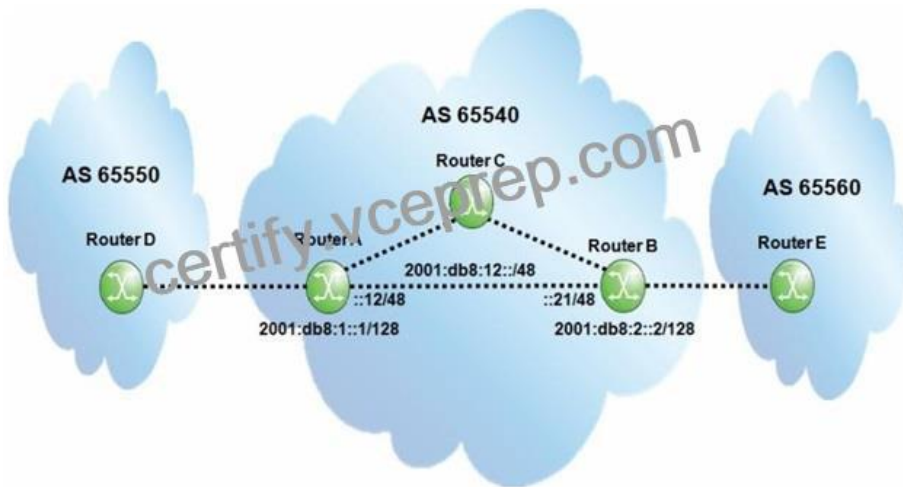
QUESTION 18

An autonomous system has 7 routers configured with BGP. How many iBGP sessions are required for a fully meshed configuration?

- * 7
- * 13
- * 21
- * 42

QUESTION 19

Click the exhibit.



Assuming the network is IPv6 only, which of the following configurations on the Nokia

7750 SR router A can establish an IPv6 BGP session to router B?

- A.

```
router-id 10.10.10.1
group "IPv6_iBGP"
family ipv6
peer-as 65540
neighbor 2001:DB8:2::2
exit
exit
```
- B.

```
group "IPv6_iBGP"
family ipv6
type internal
peer-as 65540
neighbor 2001:DB8:2::2
exit
exit
```
- C.

```
group "IPv6_iBGP"
family ipv6
type internal
peer-as 65540
neighbor 2001:DB8:12::21
exit
exit
```
- D.

```
group "IPv6_iBGP"
family ipv6
type internal
neighbor 2001:DB8:2::2
exit
exit
```

* Option A

* Option B

- * Option C
- * Option D

QUESTION 20

What does an EVPN VPLS do that a traditional VPLS does not do?

- * It provides a multipoint connectivity service.
- * It maintains a forwarding database.
- * It uses control-plane MAC learning.
- * It acts as a switch, carrying full layer-2 frames between customer sites.

QUESTION 21

Click the exhibit.



Assume all router-IDs are properly configured, and global IPv6 addresses are used to establish eBGP sessions.

Which of the following configurations is required on router A so that router B can exchange traffic with router D?

- A.

```
group "IPv6_iBGP"  
  family ipv6  
  next-hop-self  
  peer-as 65540  
  neighbor 2001:DB8:2::2  
  exit  
exit
```
- B.

```
group "IPv6_iBGP"  
  next-hop-self  
  type internal  
  peer-as 65540  
  neighbor 2001:DB8:2::2  
  exit  
exit
```
- C.

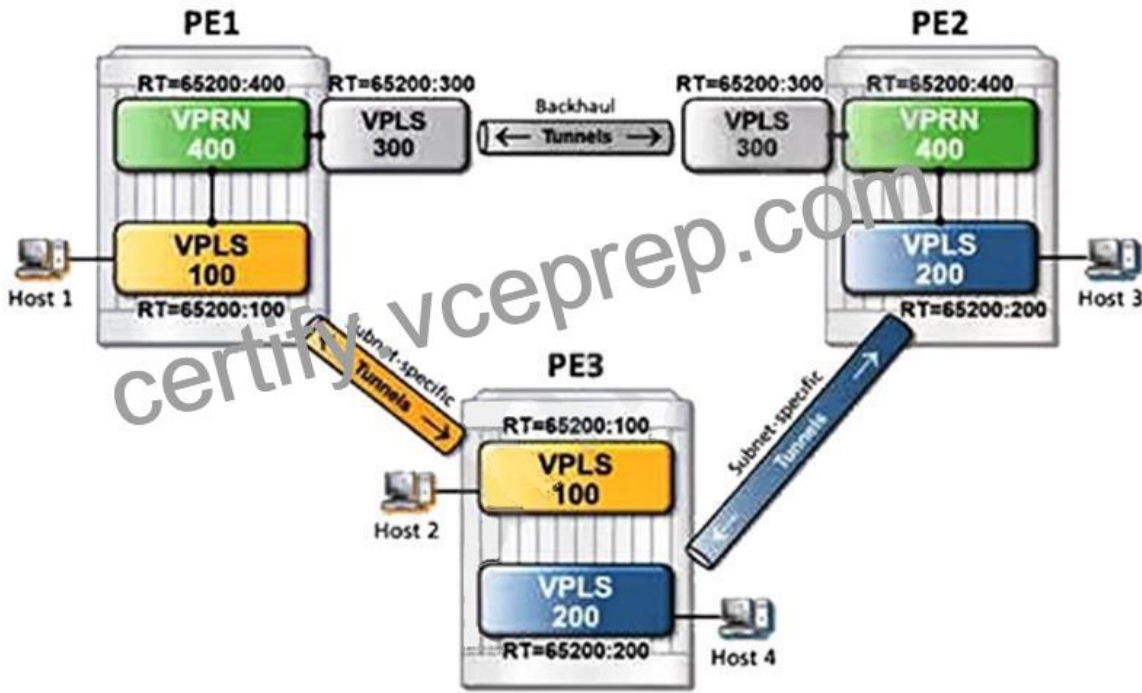
```
group "IPv6_iBGP"  
  family ipv6  
  peer-as 65540  
  neighbor 2001:DB8:2::2  
  exit  
exit
```
- D.

```
group "IPv6_iBGP"  
  family ipv6  
  next-hop-self  
  type internal  
  neighbor 2001:DB8:2::2  
  exit  
exit
```

- * Option A
- * Option B
- * Option C
- * Option D

QUESTION 22

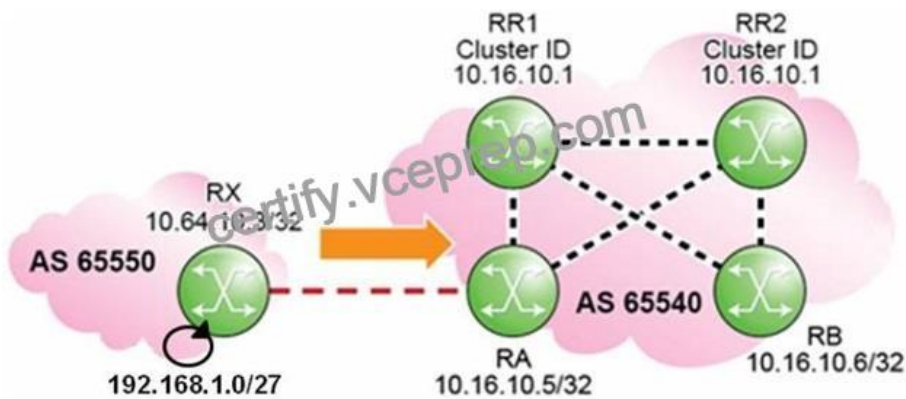
The diagram shows EVPN services and their associated route-target (RT) values. For the distributed VPRN service in the diagram, what will be the route-target value included in the EVPN routes exchanged between routers PE1 and PE2 to populate the VPRN's route table?



- * 65200:100
- * 65200:200
- * 65200:300
- * 65200:400

QUESTION 23

Click the exhibit.



Routers RR1 and RR2 are route reflectors with the same Cluster-ID. How does router RA treat the updates for prefix 192.168.1.0/27 received from routers RR1 and RR2?

- * Router RA prefers the update received from router RR1.
- * Router RA prefers the update received from router RR2.
- * Router RA flags both updates as invalid.

- * Router RA accepts both updates and flags them as used.

QUESTION 24

What kind of BGP path attribute is AS_PATH?

- * Optional transitive
- * Optional non-transitive
- * Well-known discretionary
- * Well-known mandatory

QUESTION 25

Which of the following regarding BGP Path Identifier is FALSE?

- * Path-ID is a four-octet identifier pre-pended to the NLRI field of a BGP update.
- * Path-ID is an optional transitive attribute used to advertise multiple paths.
- * Path-ID uniquely identifies each path advertised to a neighbor.
- * A BGP speaker that re-advertises a route must generate its own Path-ID.

QUESTION 26

A router in AS 65100 receives three routes for 138.120.0.0/16. The first route has an AS Path of 65200 65400

65300 and a local preference of 150. The second route has an AS Path of 65200 65300 and a local preference of 100. The third route has an AS Path of 65600 65300 and a local preference of 100. Which route will appear in the RIB-out?

- * Only the first route will appear in the RIB-Out.
- * Only the second route will appear in the RIB-Out.
- * Only the third route will appear in the RIB-Out.
- * All routes will appear in the RIB-Out.

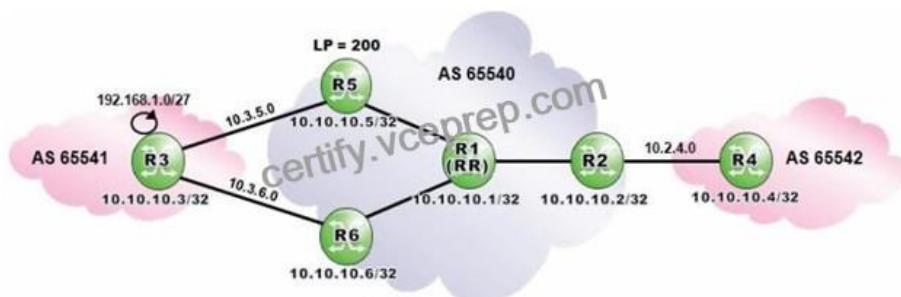
QUESTION 27

Which of the following route reflection rules is NOT followed by a route reflector?

- * If the best route is received from an eBGP peer, propagate to all iBGP peers.
- * If the best route is received from an eBGP peer, propagate to all eBGP peers.
- * If the best route is received from a client, propagate to all iBGP peers.
- * If the best route is received from a client, do not propagate to eBGP peers.

QUESTION 28

Click the exhibit.



Router R1 is a route reflector with clients R2, R5 and R6. Prefixes advertised by router R5 have a local preference of 200. Router R3 advertises the prefix 192.168.1.0/27 to routers R5 and R6.

Assuming that none of the routers in AS 65540 is configured with `advertise-external`, what is the expected output of `show router bgp routes` on router R5?

A. Flag Network

Nexthop As-Path	LocalPref	MED
u*>i 192.168.1.0/27 10.3.5.3 65541	200 None	None -

B. Flag Network

Nexthop As-Path	LocalPref	MED
u*>i 192.168.1.0/27 10.3.5.3 65541	None None	None -
i 192.168.1.0/27 10.10.10.5 65541	200 None	None -
i 192.168.1.0/27 10.10.10.5 65541	100 None	None -

C. Flag Network

Nexthop As-Path	LocalPref	MED
u*>i 192.168.1.0/27 10.3.5.3 65541	None None	None -
i 192.168.1.0/27 10.10.10.5 65541	200 None	None -

D. Flag Network

Nexthop As-Path	LocalPref	MED
u*>i 192.168.1.0/27 10.10.10.5 65541	200 None	None -
i 192.168.1.0/27 10.10.0.6 65541	100 None	None -

- * Option A
- * Option B
- * Option C
- * Option D

QUESTION 29

Which of the following regarding route reflectors is TRUE?

- * Only the route reflector is configured with a cluster id.

- * There can only be one route reflector in a cluster.
- * Clients should have iBGP sessions with each other to maintain the mesh.
- * There can only be one level of route reflectors in the topology.

QUESTION 30

A BGP router receives the following routes. Which route is selected as best route?

- 1: 192.169.20.0/24 with local preference 100, MED 150, AS Path 65300 65200 from an eBGP neighbor
 - 2: 192.169.20.0/24 with local preference 100, MED 100, AS Path 63200 from an iBGP neighbor
 - 3: 192.169.20.0/24 with local preference 200, MED 150, AS Path 65400 63200 from an iBGP neighbor
 - 4: 192.169.20.0/24 with local preference 200, MED 100, AS Path 63700 from an eBGP neighbor
- * Route 1
 - * Route 2
 - * Route 3
 - * Route 4

QUESTION 31

Which of the following statements about IPv6 Link-Local addresses is FALSE?

- * They are assigned to every physical interface running IPv6.
- * They are only valid for communication within the same broadcast domain.
- * They all have the same 64-bit subnet prefix.
- * They have an interface ID derived by default from the interface's IPv4 address.

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