

➤ **Vendor: Juniper**

➤ **Exam Code: JN0-663**

➤ **Exam Name: Service Provider Routing and Switching, Professional (JNCIP-SP)**

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Q32

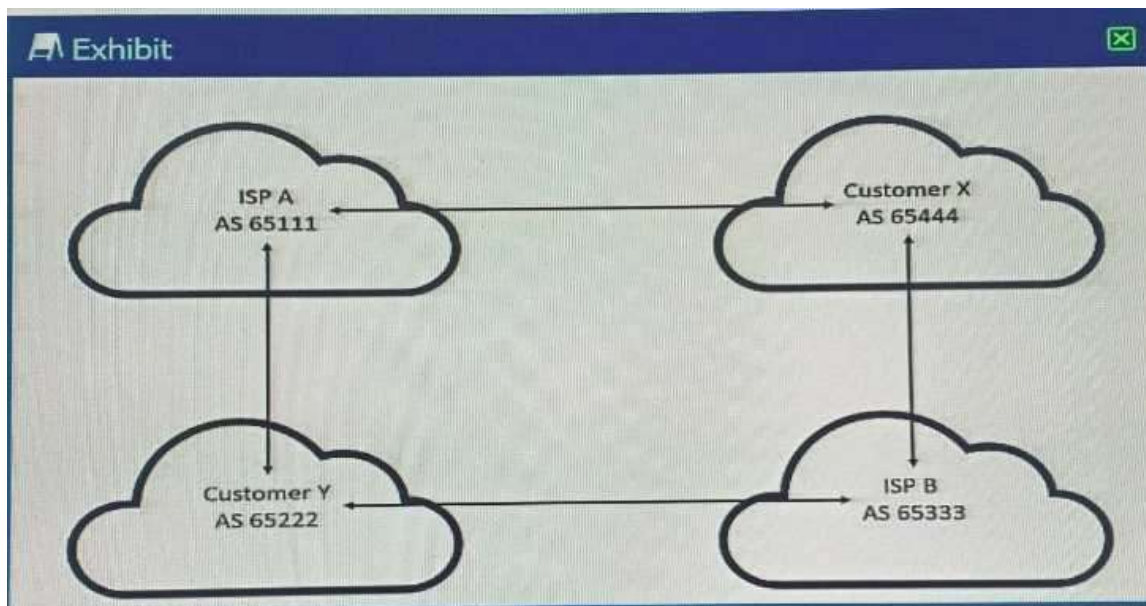
What information is stored in a VRF table for a BGP Layer 2 VPN? (Choose three.)

- A. remote interface of local CE device
- B. Layer 2 encapsulation
- C. logical interface provisioned to local CE device local site ID
- D. label-switched path

Answer: B, C, D

Q33

Exhibit:



All networks shown in the exhibit contain more than one BGP speaker. You operate ISP A and must ensure that Customer Y sends their traffic to you over the directly connected link. Customer Y is not to be used for transit into your network.

What would you do to accomplish this task?

- A. Advertise routes to Customer Y with the custom defined 65535:65535 community.
- B. Advertise routes to Customer Y with the well-known no-export community.
- C. Advertise routes to Customer X with the well-known no-advertise community.

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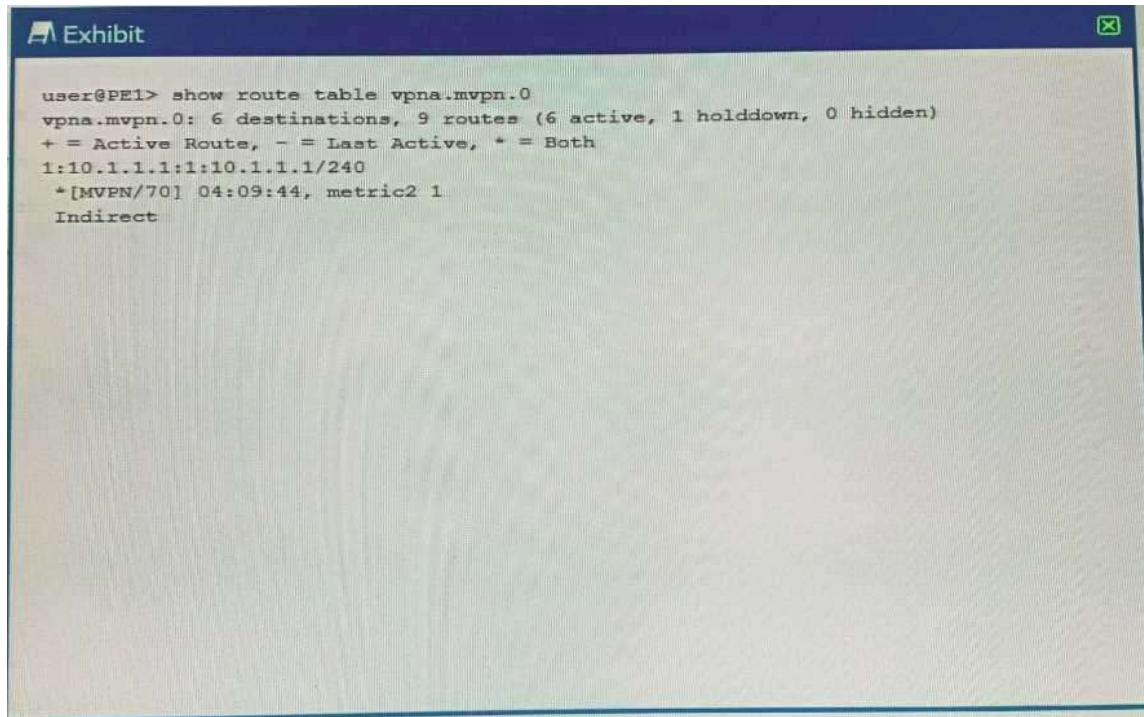
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D. Advertise routes to Customer X with the custom defined 0:0 community

Answer: B

Q34

Exhibit:



```
user@PE1> show route table vpnna.mvpn.0
vpnna.mvpn.0: 6 destinations, 9 routes (6 active, 1 holddown, 0 hidden)
+ = Active Route, - = Last Active, * = Both
1:10.1.1.1:1:10.1.1.1/240
*[MVPN/70] 04:09:44, metric2 1
Indirect
```

The route shown in the exhibit is an example of which type of next-generation MVPN route?

- A. Type 3 Selective MVPN autodiscovery route
- B. Type 1 Intra-AS inclusive MVPN membership discovery
- C. Type 2 Inter-AS inclusive MVPN membership discovery
- D. Type 4 Selective MVPN autodiscovery route for leaf

Answer: B

Q35

You want to allow the load balancing of traffic for an EBGP route from two different peers in the same AS. Which three actions are needed to accomplish this task? (Choose three.)

- A. A policy to load-balance traffic should be applied to the forwarding table
- B. At least two interfaces should be connected to the same EBGP neighbor
- C. The multihop parameter should be configured under protocols BGP
- D. The multipath parameter should be configured under protocols BGP
- E. An equal cost AS path for the route is required.

Answer: A, D, E

Q36

What occurs when a router running IS-IS receives an LSP with the overload bit set?

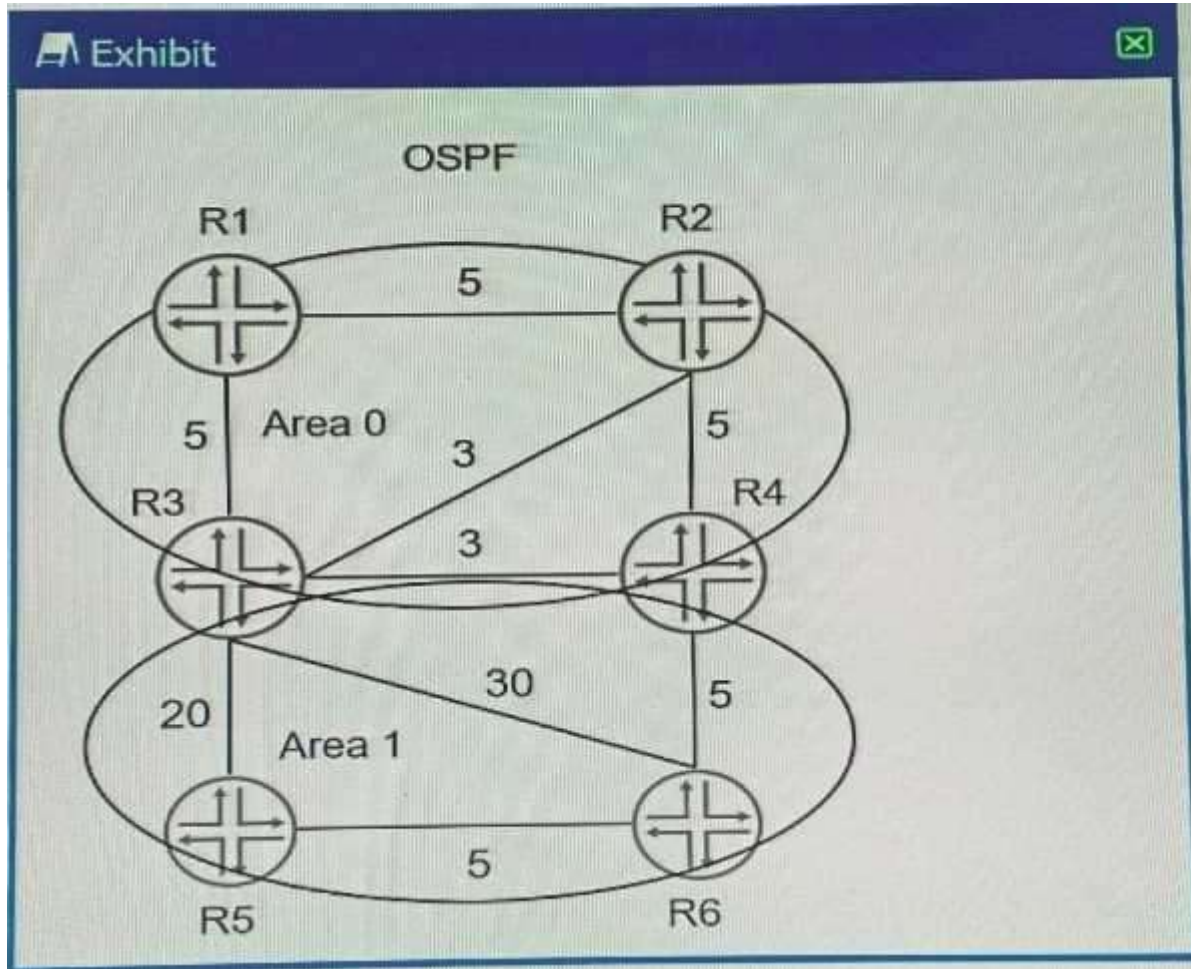
- A. The LSP is not added to the link-state database.
- B. The LSP's metric will be set to 65535.
- C. The LSP is ignored during SPF calculation.

D. The LSPs metric will be set to 16777215.

Answer: D

Q37

Exhibit:



Referring to the exhibit, which path would traffic passing through R1 take to get.

- A. R1 -> R2 -> R4 -> R6
- B. R1 -> R2 -> R3 -> R6
- C. R1 -> R3 -> R5 -> R6
- D. R1 -> R3 -> R4 -> R6

Answer: C

Q38

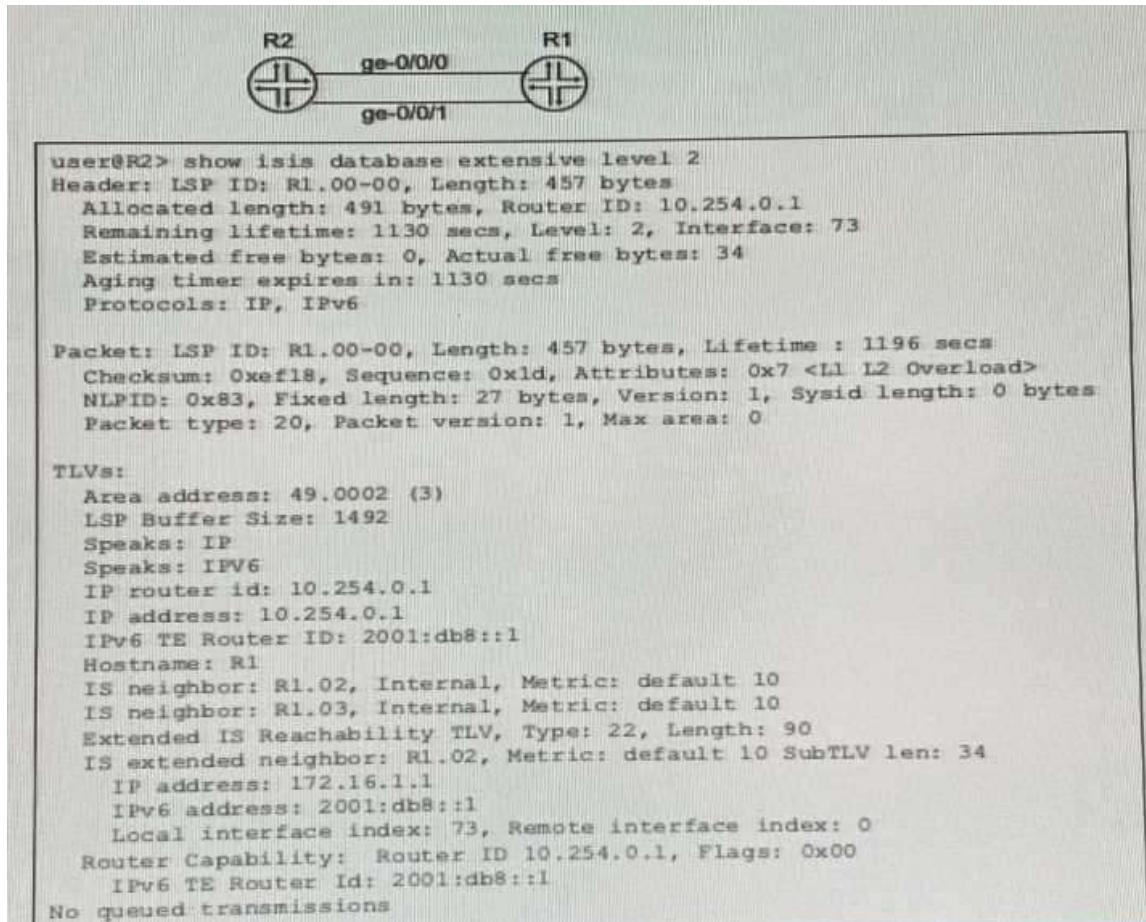
What are two reasons an IBGP learned route would be hidden? (Choose two.)

- A. The route is suppressed by damping.
- B. The route has a next hop of the local routing device.
- C. The route is rejected by an export policy.
- D. The route has an empty AS path.

Answer: A, B

Q39

Click the Exhibit button.



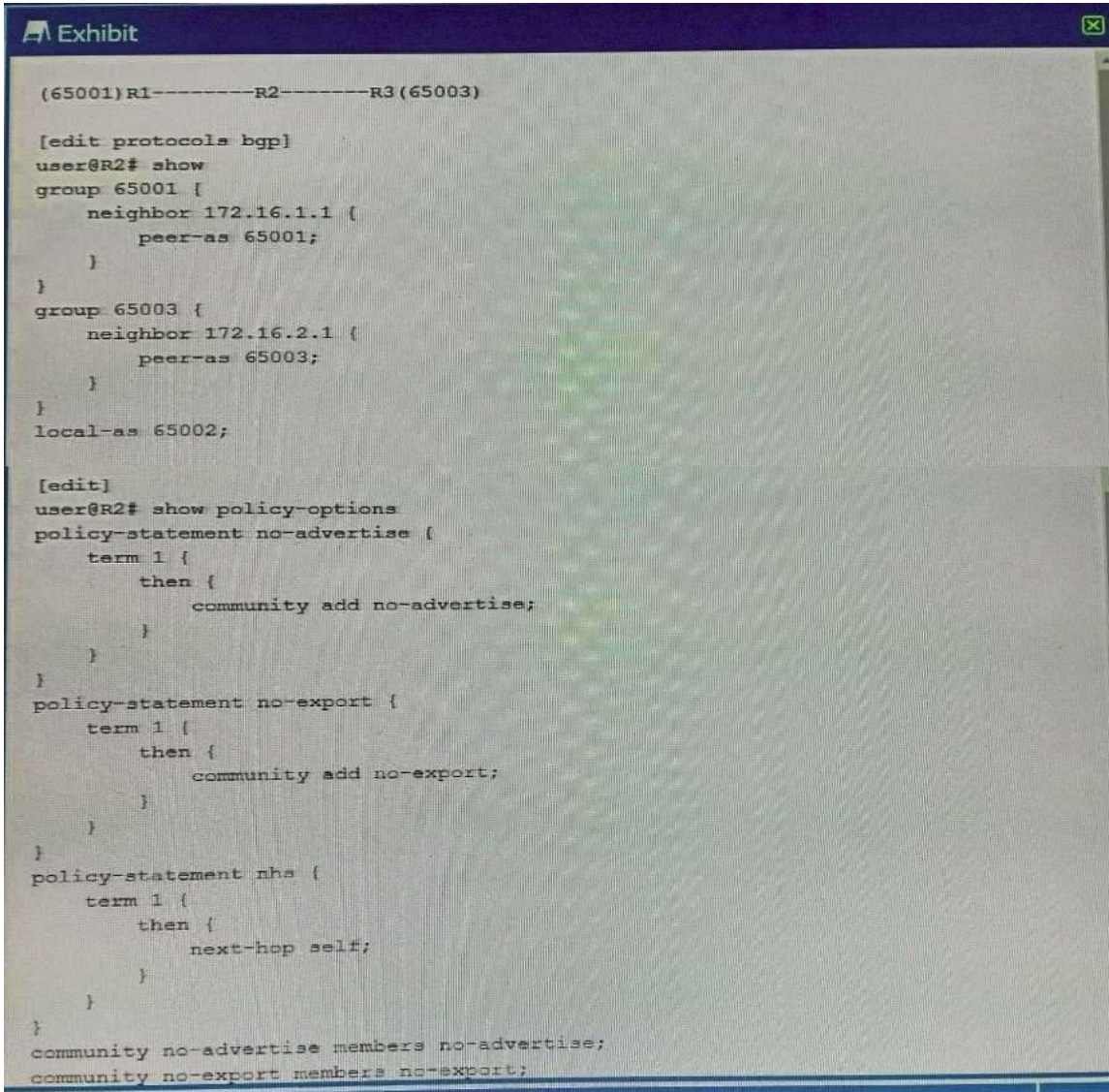
A network administrator is investigating why traffic from R2 is not being forwarded to R1 Referring to the show isis database command output shown in the exhibit, what is causing this problem on the network?

- A. R1 and R2 are in different IS-IS areas.
- B. The preferred interface between R1 and R2 is experiencing errors
- C. R1 is configured to drop all incoming traffic.
- D. R2 is ignoring specific LSPs from R1 in its SPF calculations.

Answer: D

Q40

Exhibit:

The image shows a terminal window titled 'Exhibit' with a close button in the top right corner. The terminal displays the configuration of a Juniper router (R2) for BGP. At the top, it shows a topology: (65001)R1-----R2-----R3(65003). The configuration is as follows:

```
[edit protocols bgp]
user@R2# show
group 65001 {
    neighbor 172.16.1.1 {
        peer-as 65001;
    }
}
group 65003 {
    neighbor 172.16.2.1 {
        peer-as 65003;
    }
}
local-as 65002;

[edit]
user@R2# show policy-options
policy-statement no-advertise {
    term 1 {
        then {
            community add no-advertise;
        }
    }
}
policy-statement no-export {
    term 1 {
        then {
            community add no-export;
        }
    }
}
policy-statement nhs {
    term 1 {
        then {
            next-hop self;
        }
    }
}
community no-advertise members no-advertise;
community no-export members no-export;
```

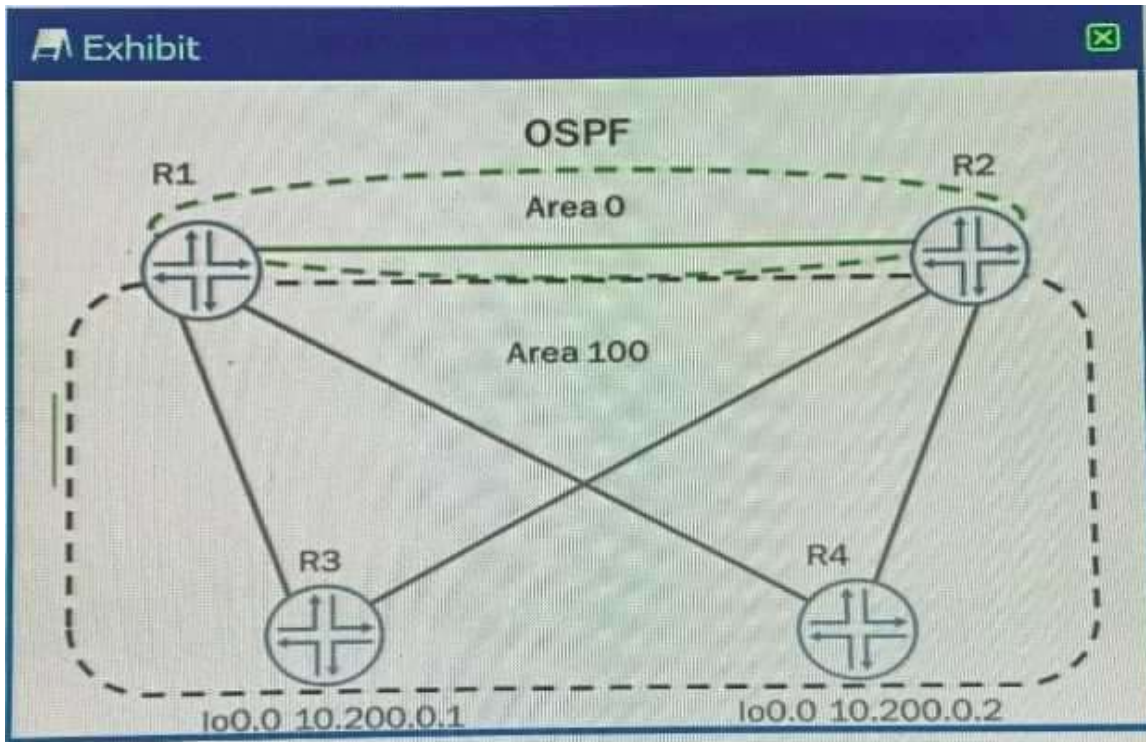
R2 is receiving a route from R1 and you must ensure that the route is not advertised to R3. Referring to the exhibit, which two configurations on R2 will solve the issue? (Choose two.)

- A. Apply the no-export policy as an import policy under group 65001
- B. Apply the no-advertise policy as an export policy under group 65003
- C. Apply the no-export policy as an export policy under group 65003
- D. Apply the no-advertise policy as an import policy under group G5001

Answer: B, D

Q41

Exhibit:



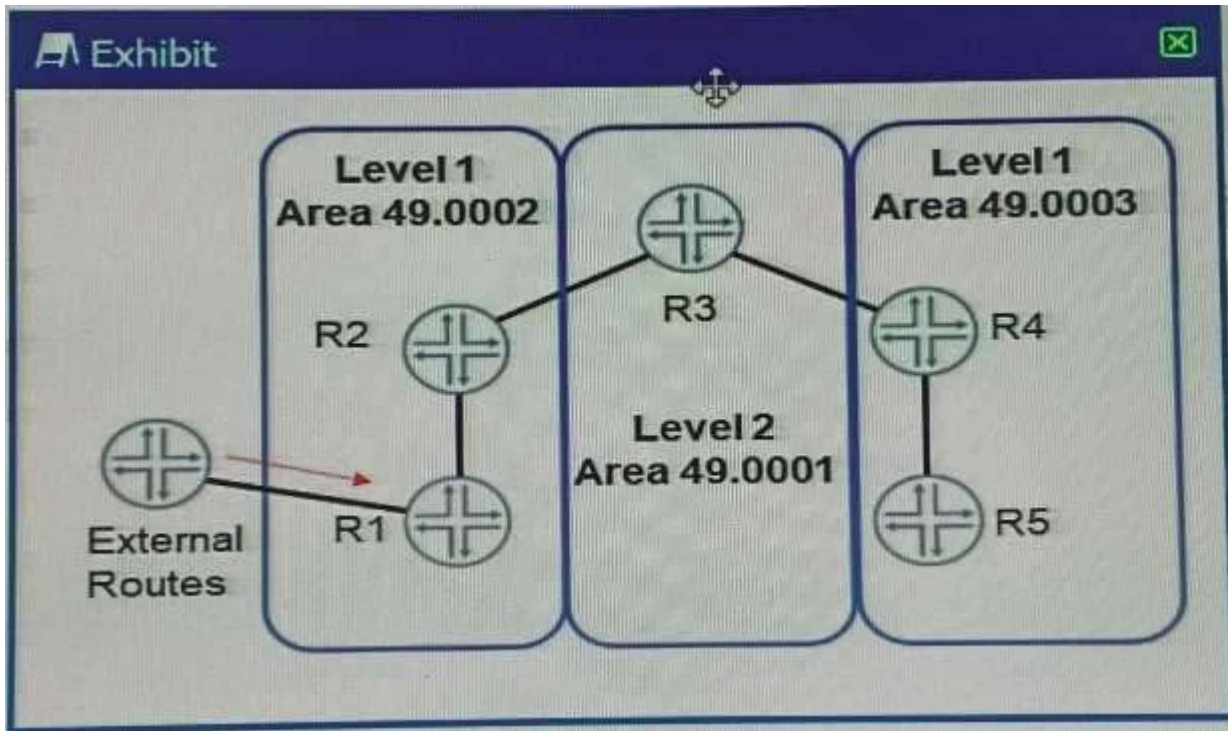
Traffic is being sent from R2 to R3. The link between R2 and R3 fails. Referring to the exhibit, which statement is correct?

- A. Traffic will automatically reroute using the shortest path, which is R2 to R1 to R3.
- B. Traffic will automatically reroute using R2 to R4 to R1 to R3.
- C. Manual intervention is required for traffic to be rerouted.
- D. Traffic will automatically reroute distributed between all available paths.

Answer: B

Q42

Exhibit:

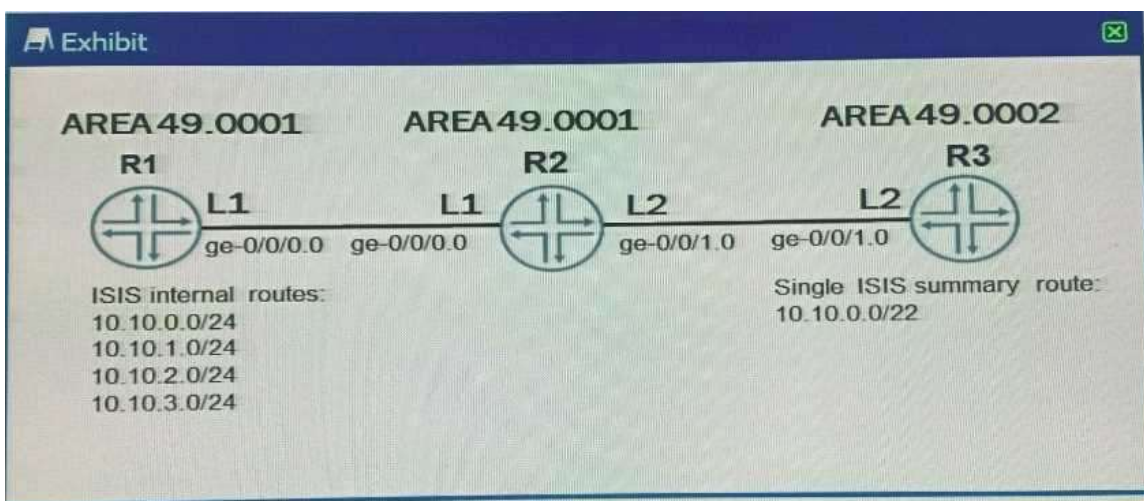


Referring to the exhibit, external routes are being received at R1. These routes must appear on R5. Which action will produce this result?

- A. Turn on wide metrics on R1 and R2 and write an export policy on R4 from level 2 to level 1 matching the external routes.
- B. Turn on wide metrics on R4 and R5 and write an export policy on R2 from level 1 to level 2 matching the external routes.
- C. Write an export policy on R4 from level 2 to level 1 matching the external routes.
- D. Write an export policy on R2 from level 1 to level 2 matching the external routes.

Answer: A

Q43
Exhibit:



Referring to the exhibit, you are asked to summarize all routes in the 10.10.0.0/22 address range ensuring that a single

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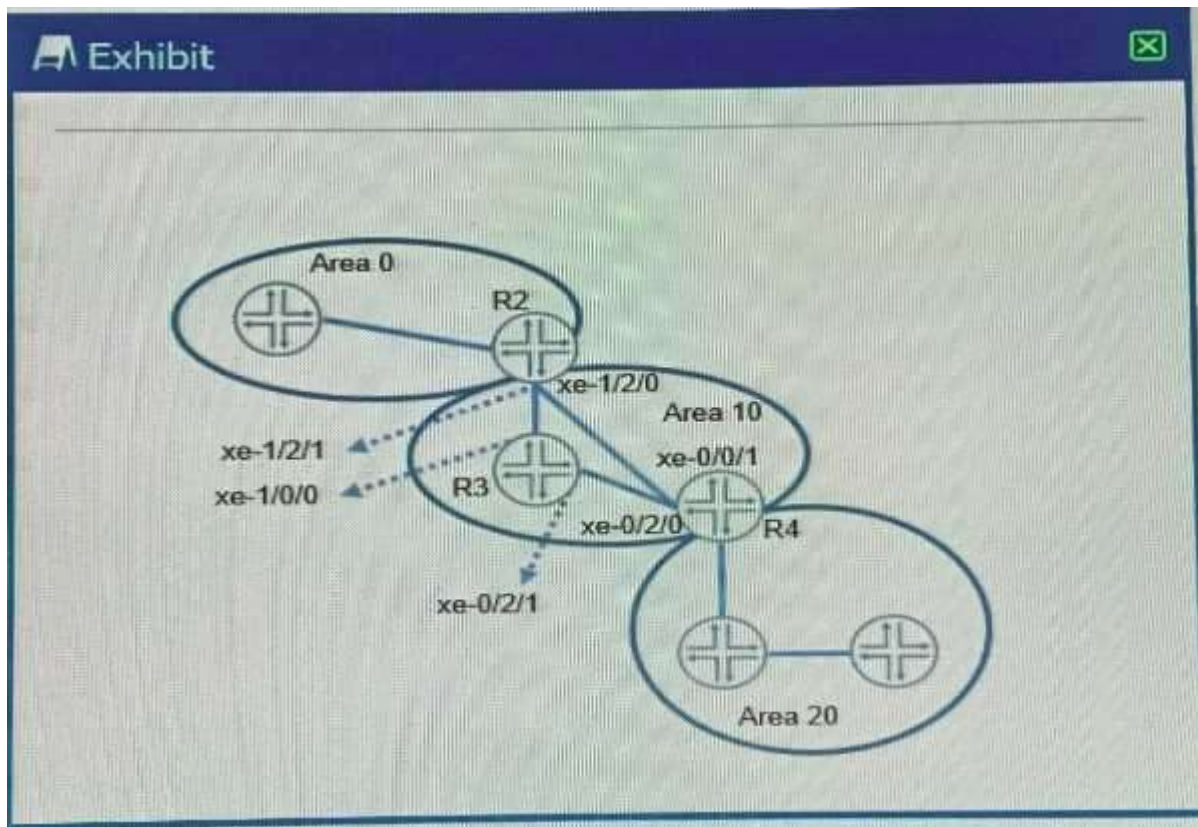
summary route is present in area 49.0002 while the IS-IS internal contributing routes are restricted to area 49.0001. All other routes must not be affected. Which two operations would have to be performed on R2 to accomplish this task? (Choose two.)

- A. Create and apply a policy with a single term to accept only the summary route.
- B. Include the from level 1 match criteria when referencing the summary route.
- C. Include the to level 2 match criteria when referencing the summary route.
- D. Create and apply a policy with two terms; one to accept the summary route and one to reject the contributing routes.

Answer: C, D

Q44

Exhibit:



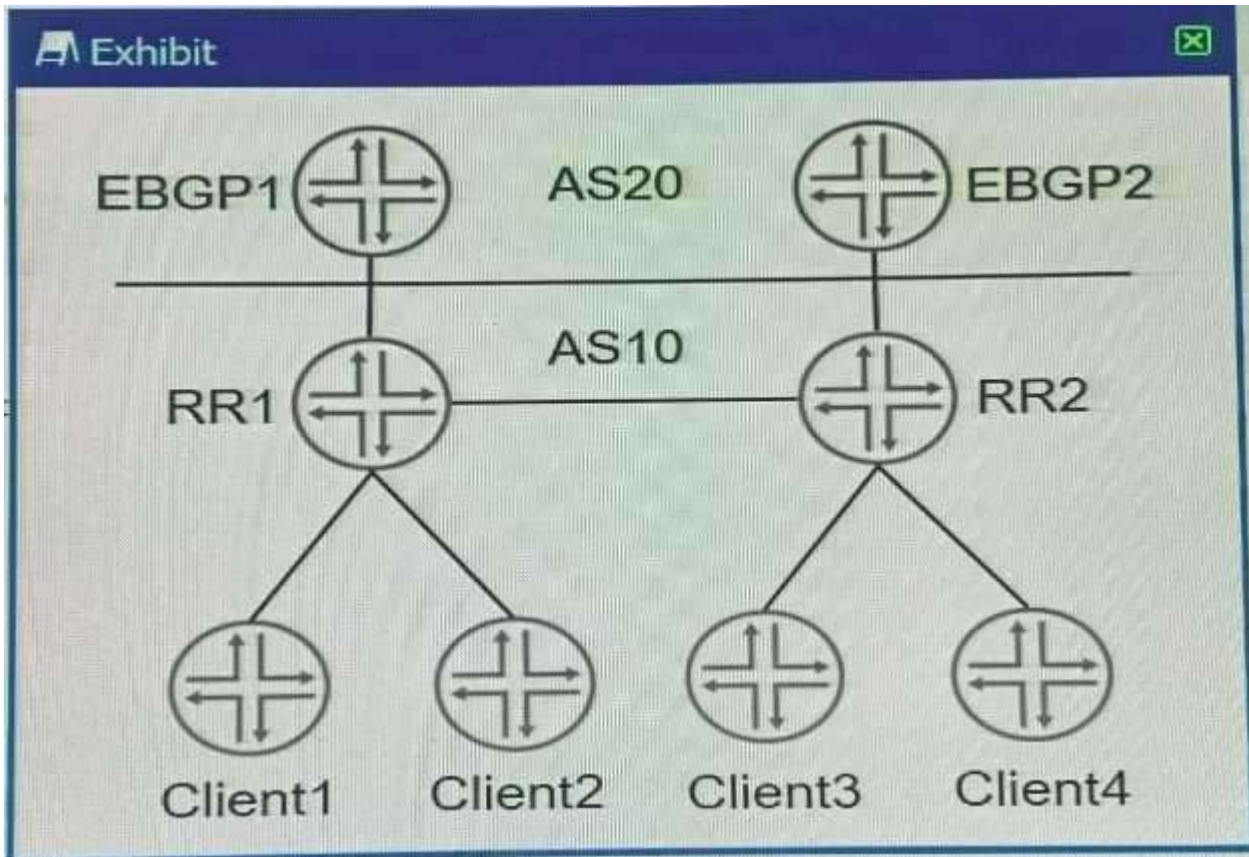
You must configure an OSPF virtual link to facilitate communication between Area 0 and Area 20. Referring to the exhibit, which two addresses should you use as the neighbor IDs of the virtual link endpoints? (Choose two.)

- A. The address that is associated with R2's router ID.
- B. The address that is associated with R4's router ID.
- C. The address that is associated with R2's xe-1/2/0 interface.
- D. The address that is associated with R4's xe-0/0/1 interface.

Answer: A, B

Q45

Exhibit:



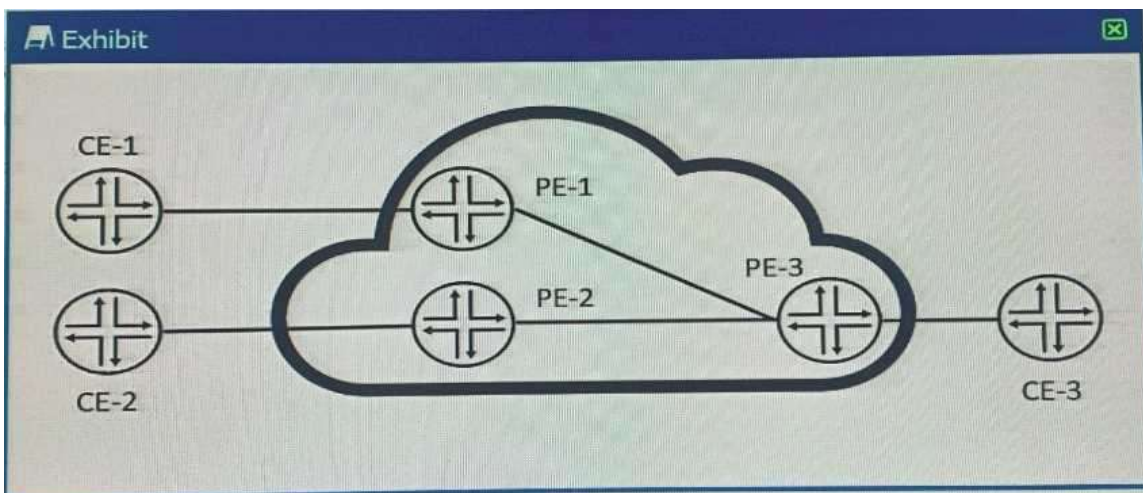
Referring to the exhibit, which two statements about route reflectors are correct? (Choose two.)

- A. RR2 adds its cluster ID when advertising routes from Client4 to Client3.
- B. RR2 advertises routes learned from Client3 to EBGP2 with itself as the next hop.
- C. RR1 advertises routes learned from Client1 to RR2 with itself as the next hop.
- D. RR1 and RR2 need the same cluster ID to exchange routes learned from their clients.

Answer: A, B

Q46

Exhibit:



CE-1, CE-2, and CE-3 are part of a single VPLS VPN. An Ethernet frame has just arrived at PE-3 from CE-3. It has a source MAC address of CE-3 and a destination MAC address of CE-1. You want to know what PE-3 does with the Ethernet frame.

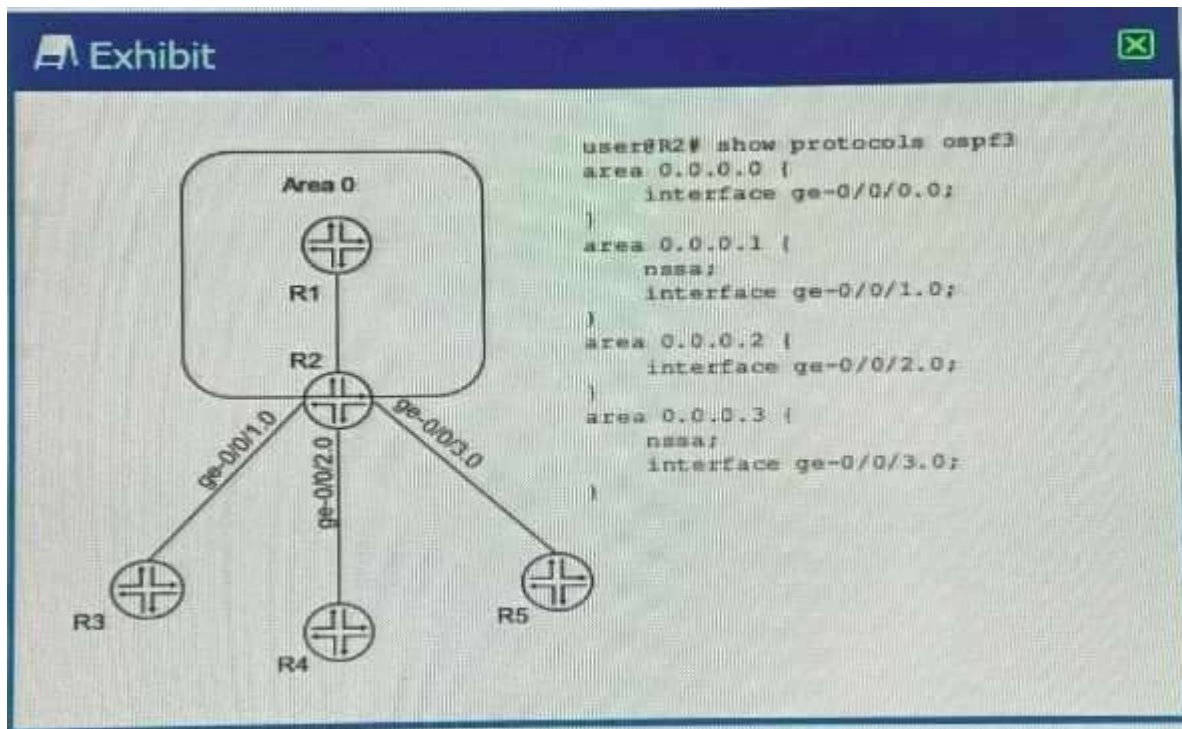
Referring to the exhibit, which statement is correct?

- A. It forwards the packet to PE-1 only.
- B. It drops the packet because the destination MAC address is not for PE-3.
- C. It forwards the packet to PE-1 and PE-2.
- D. It drops the packet because the destination MAC address is not in PE-3's MAC table.

Answer: C

Q47

Exhibit:



A network administrator is concerned about the number of LSAs that they are observing on the network. What will reduce Type 7 LSAs advertised from R2 to the non-backbone routers shown in the exhibit?

- A. Configure no-summaries under protocols ospf3 on R2.
- B. Configure no-naaa-abr under protocols ospf3 on R2.
- C. Configure no-summaries under area 0.0.0.2 on R2.
- D. Configure nssa under area 0.0.0.2 on R2.

Answer: B