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QUESTION 1

Refer to the exhibit. Exhibit 1

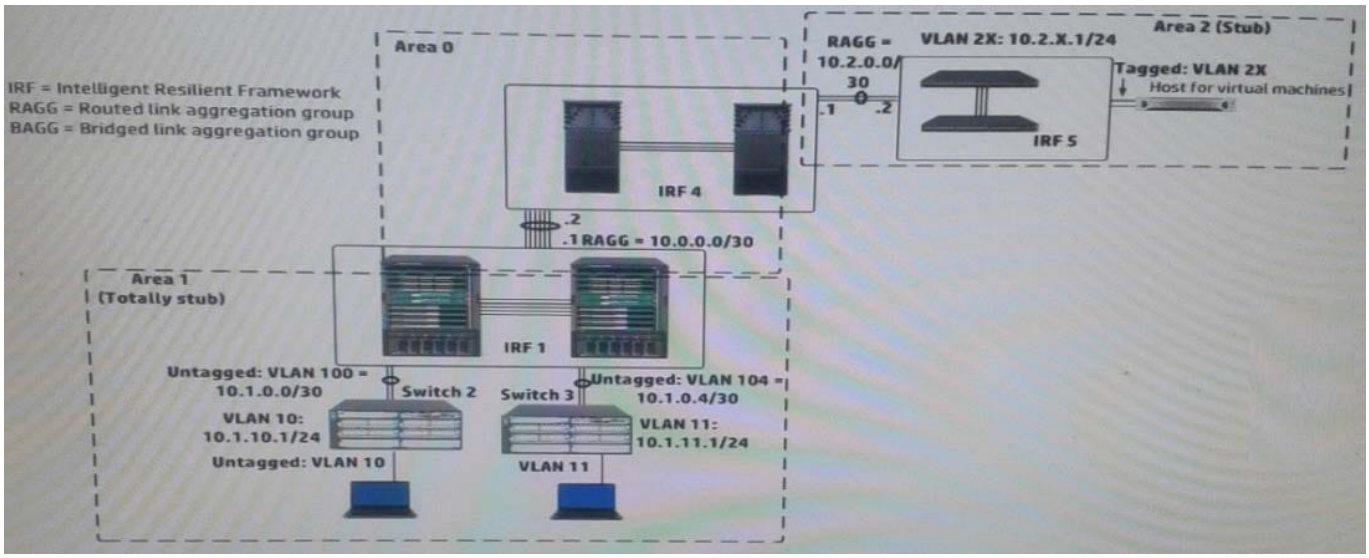
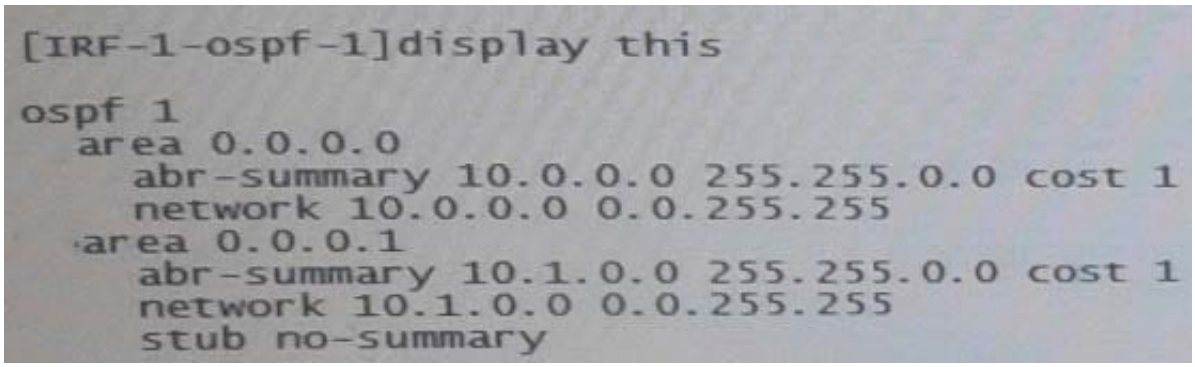


Exhibit 2



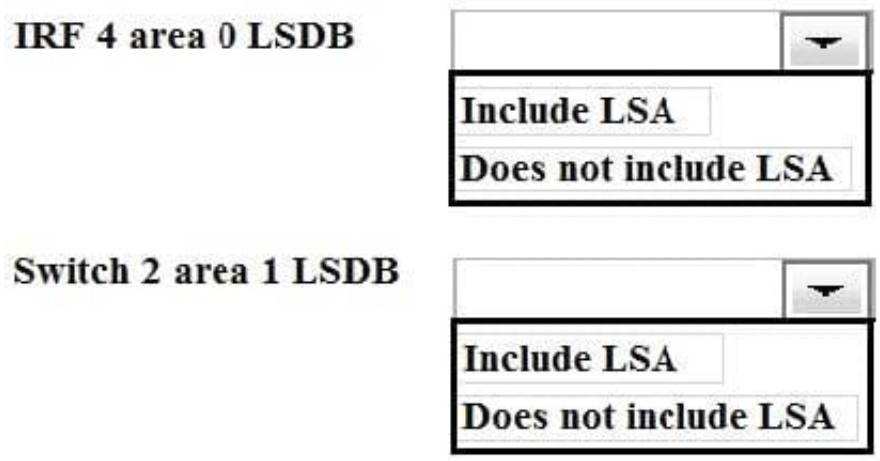
In exhibit 1, all infrastructure devices are implementing OSPF on the interfaces. Exhibit 1 also shows settings for OSPF areas. Exhibit 2 shows some additional OSPF settings IRF 1.

The network administrator enters this command on IRF 4:

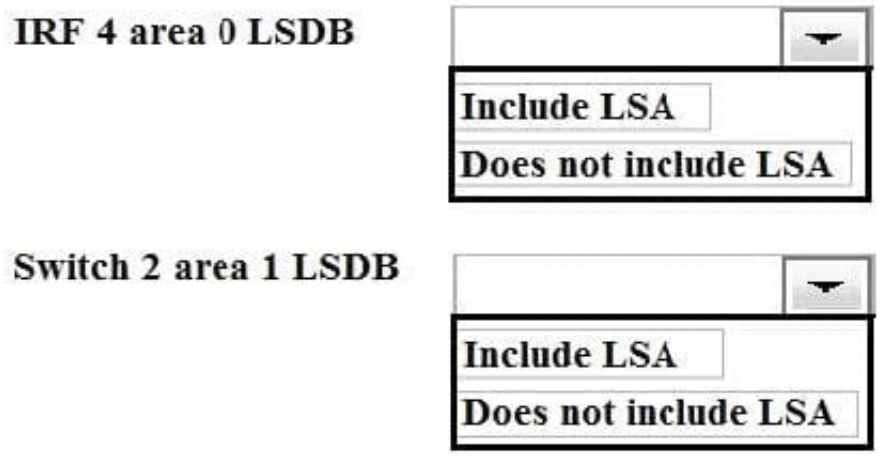
[IRF4-ospf-1-area-0.0.0.2] abr-summary 10.2.0.0 16

The administrator verifies that the solution is functioning correctly. Indicate whether the link state database (LSDB) on a device should include an LSA for 10.2.0.0/16.

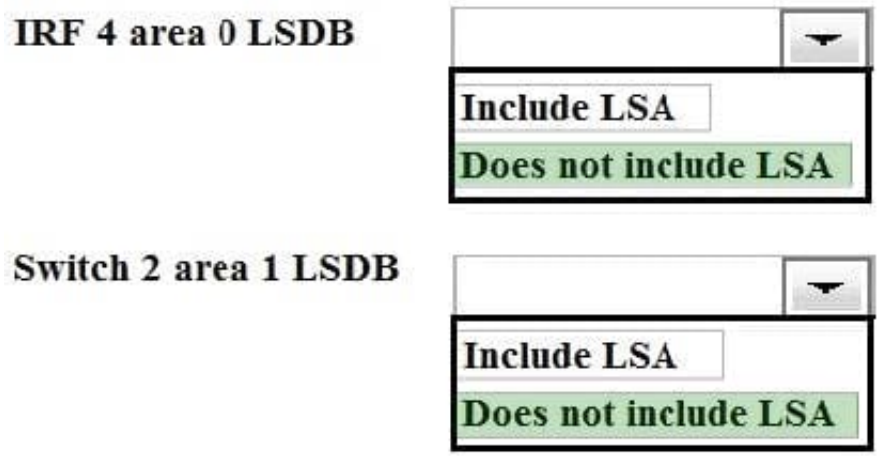
Hot Area:



Hot Area:



Correct Answer:



QUESTION 2

A company has configured two switches as an HP Intelligent Resilient Framework (IRF) virtual device. The IRF port on

each switch is bound to multiple physical links. How does the switch select the link for transmitting packets on that IRF port?

A. It uses a round-robin mechanism in which it sends each packet over a different link in turn.

B. It uses a weighted round-robin mechanism, in which it sends each packet over a different link in turn, but can send more packets over certain links over higher weighted.

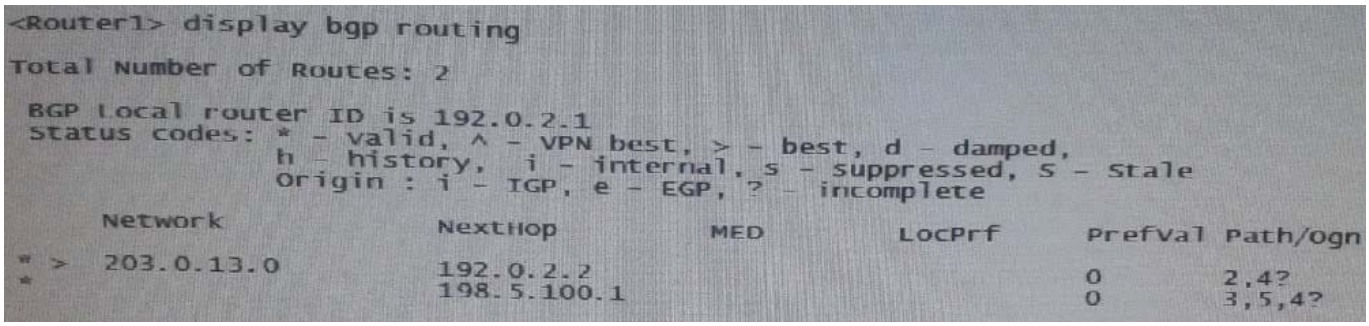
C. It uses one of the links as an active link, the other links are in standby mode and can become active if the active link fails

D. It uses a hash of various Layer 2, 3, or 4 information in the packet, depending on the type of traffic, the switch model, and the IRF load-sharing.

Correct Answer: C

QUESTION 3

Refer to the exhibit.



Which route to 203.0.13.0/24 will the switch BGP process propose to the routing table?

A. A null route

B. A route through 192.0.2.2

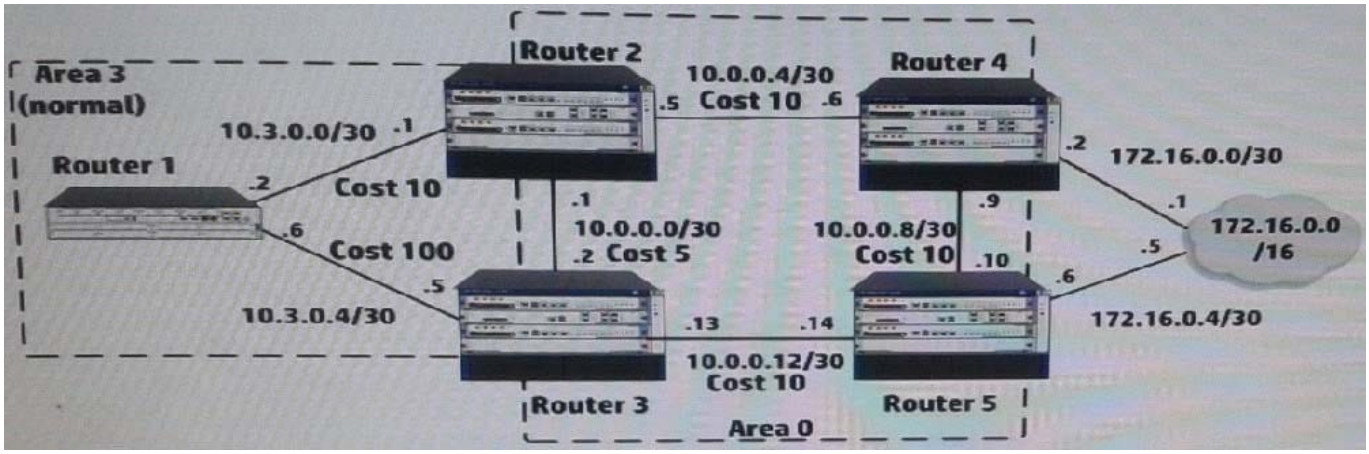
C. A route through 198.5.100.1

D. A route through 198.5.100.1 and 192.0.2.1

Correct Answer: B

QUESTION 4

Refer to the exhibit.



The five routers shown in the exhibit are successfully implementing OSPF on the interface shown in the exhibit. The exhibit also shows settings for OSPF areas and interface costs. A network administrator enters these commands on Router 4 and Router 5:

```
[Router4] ip route-static 172.16.0.0 16 172.16.0.1
[Router4] ospf 1
[Router4-ospf-1] redistribute static type 2 cost 5

[Router5] ip route-static 172.16.0.0 16 type 2 172.16.0.5
[Router5] ospf 1
[Router5-ospf-1] redistribute static type 2 cost 1
```

How can the administrator ensures that Router 2 learns the route to 172.16.0.0/16 with next hop 10.0.0.6?

A. On Router 2, enables OSPF ECMP globally

B. On Router 4 and 5, change the metric type for redistributed static routes to type 1

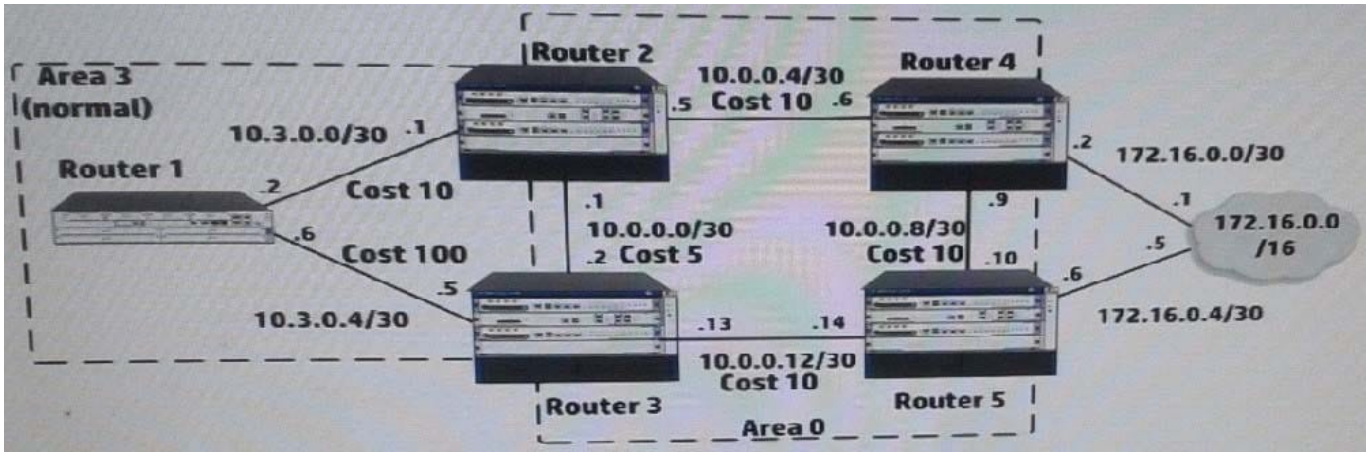
C. On Router 4, change the cost for redistributed static routes to 2

D. On Router 2, 3, 4 and 5, change the bandwidth reference value to 100

Correct Answer: B

QUESTION 5

Refer to the exhibit.



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```
[Router4] ip route-static 172.16.0.0 16 172.16.0.1
[Router4] ospf 1
[Router4-ospf-1] redistribute static type 2 cost 5

[Router5] ip route-static 172.16.0.0 16 172.16.0.5
[Router5] ospf 1
[Router5-ospf-1] redistribute static type 2 cost 1
```

Which statement correctly describes the OSPF routing table on Router 2?

A. It has one next hop for 172.16.0.0/16, 10.0.0.6

B. It has one next hop for 172.16.0.0/16, 10.0.0.2

C. It has not learned a route to 172.16.0.0/16

D. It has one next hop for 172.16.0.0/16, 10.0.0.6, and 10.0.0.2

Correct Answer: B