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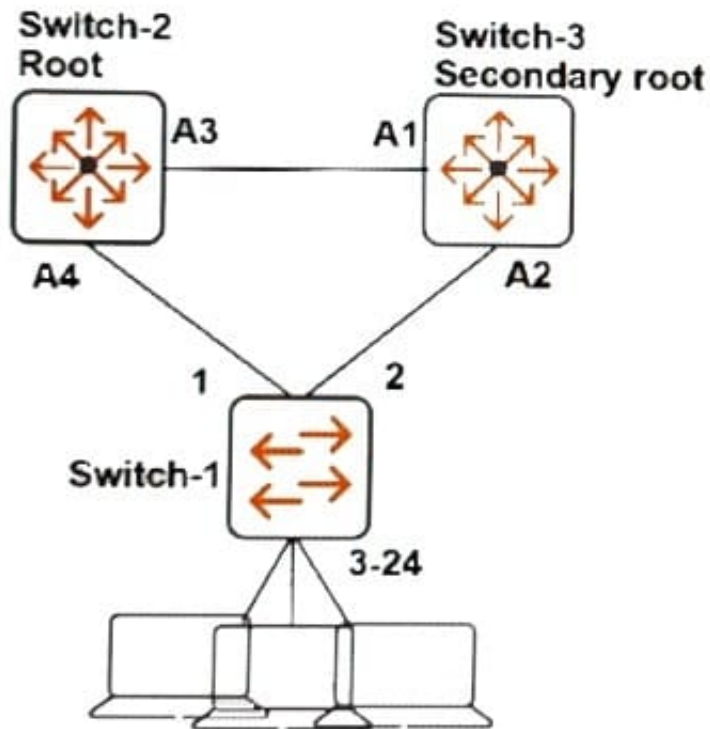**365 Days** Free Update

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QUESTION 1

Refer to the exhibit.

Refer to the exhibit.

A network administrator wants to add the protections of root guard to the network. Based on the spanning tree topology, on which ports should the network administrator implement root guard?

A. 3-24

B. 1 and 2

C. A1 and A2

D. 2 and A3

Correct Answer: C
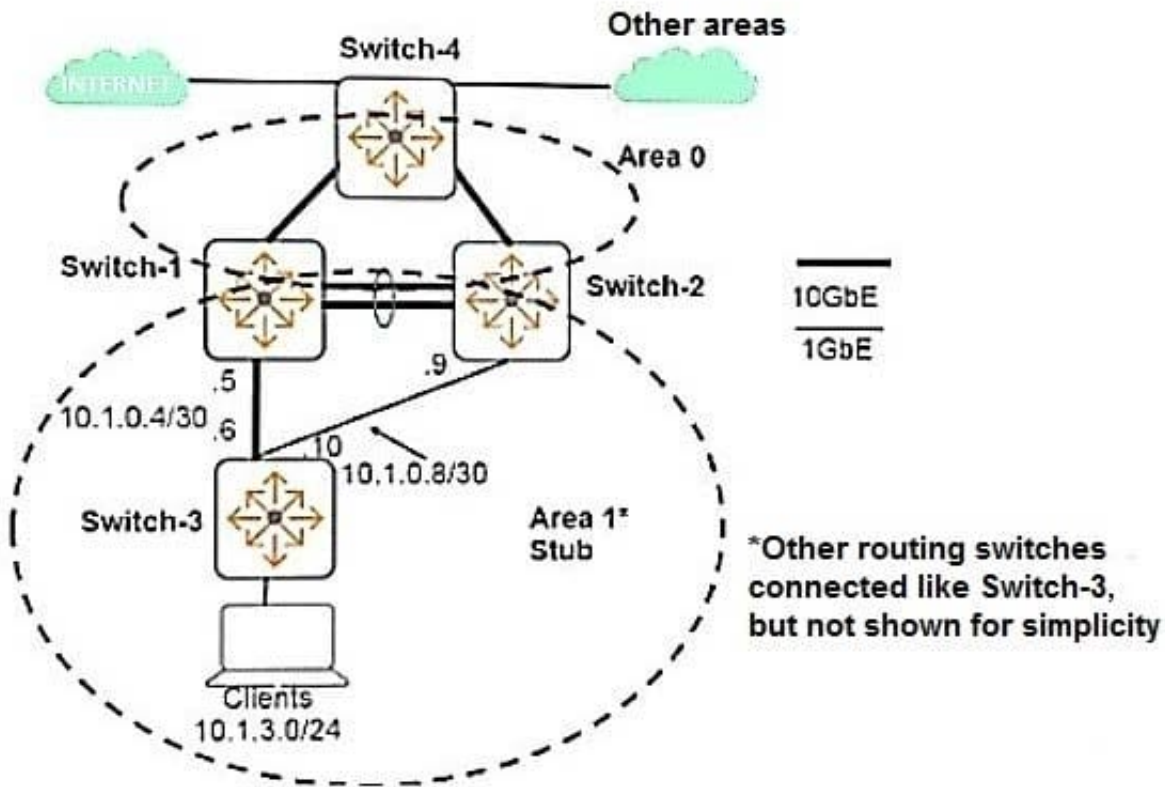
QUESTION 2

Refer to the exhibits.

Exhibit 1.

Exhibit 2.

```
Switch-3(config)# show ip route
IP Route Entries
Destination       Gateway      VLAN Type        Sub-Type    Metric    Dist.
----------------  ---------    ----------       ----------  -------   ------
0.0.0.0/0         10.1.0.5     104  ospf        InterArea   2         110
0.0.0.0/0         10.1.0.9     108  ospf        InterArea   2         110
10.1.0.4/30       ToSwitch-1   104  connected               1         0
10.1.0.8/30       ToSwitch-2   108  connected               1         0
10.1.3.0/24       Clients      130  connected               1         0
10.1.4.0/24       10.1.0.5     104  ospf        IntraArea   3         110
10.1.4.0/24       10.1.0.9     108  ospf        IntraArea   3         110
10.2.0.0/16       10.1.0.5     104  ospf        InterArea   2         110
10.2.0.0/16       10.1.0.9     108  ospf        InterArea   2         110
127.0.0.0/8       reject            static                  0         0
127.0.0.1/32      lo0               connected               1         0
```

The exhibits show the current operational state for routes on Switch-3. The company wants Switch-3 to prefer the link to Switch-1 over the link to Switch-2 for all intra-area, inter-area, and external traffic.

What can the network administrator do to achieve this goal?

A. Set the OSPF cost on VLAN 108 higher than 1 on Switch-2 and Switch-3.
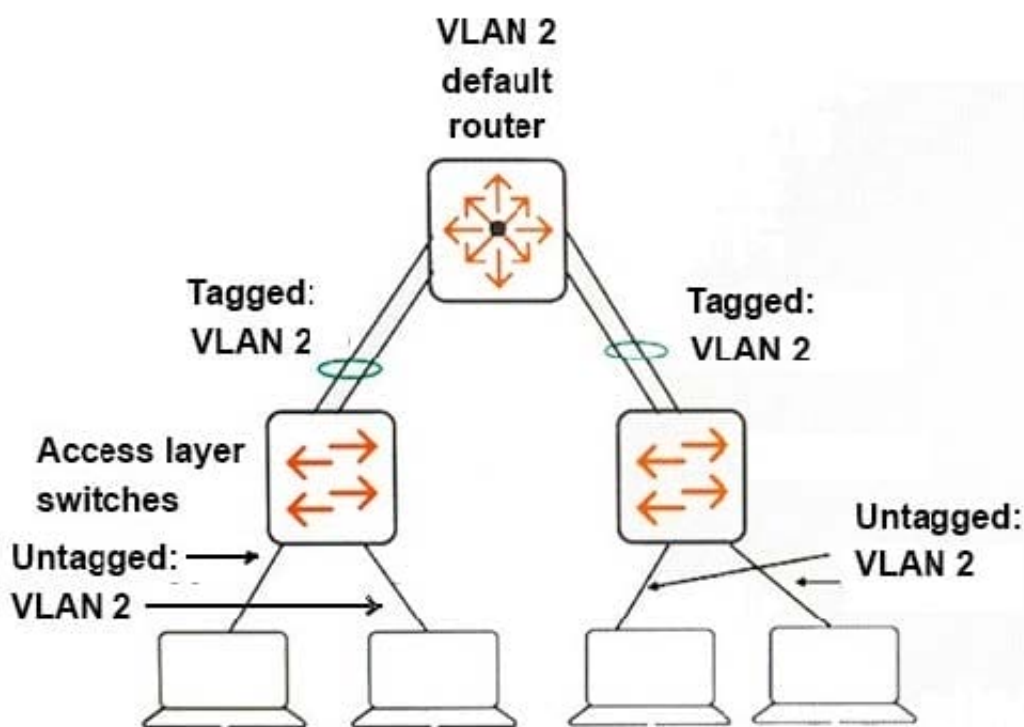
B. Set the OSPF administrative distance on Switch-2 higher than 110.

C. Set the OSPF area type to normal on all of the switches in Area 1.

D. Set the cost in the OSPF Area 1 stub command higher than 1 on Switch-2.

Correct Answer: D

QUESTION 3

Refer to the exhibit.

The access layer AOS-Switches currently run DHCP snooping on VLAN 2 and connection rate filtering on edge ports. They are at default settings for ARP protection. A network administrator then enters these commands on each of the access layer switches:

Switch(config)# arp-protect vlan 2 Switch(config)# arp-protect

Which behavior accurse?

A. The switches will forward legitimate traffic and prevent ARP poisoning attacks, but interfere with connection rate filtering.

B. The switches can now prevent ARP poisoning attacks and do not interfere with legitimate communications.

C. The switches can prevent ARP poisoning attacks, but legitimate communications with VLAN 2 could also be disrupted.

D. The switches will not apply ARP protection due to interference from DHCP snooping, so the commands have no

effect on current behavior.

Correct Answer: B

QUESTION 4

An AOS-Switch uses tunneled node. What is a best practice for the path between an AOS-Switch and its Mobility Controller?

A. The path can support jumbo frames

B. The path has a device that applies NAT

C. The path implements MACsec

D. The path crosses no VLAN boundaries

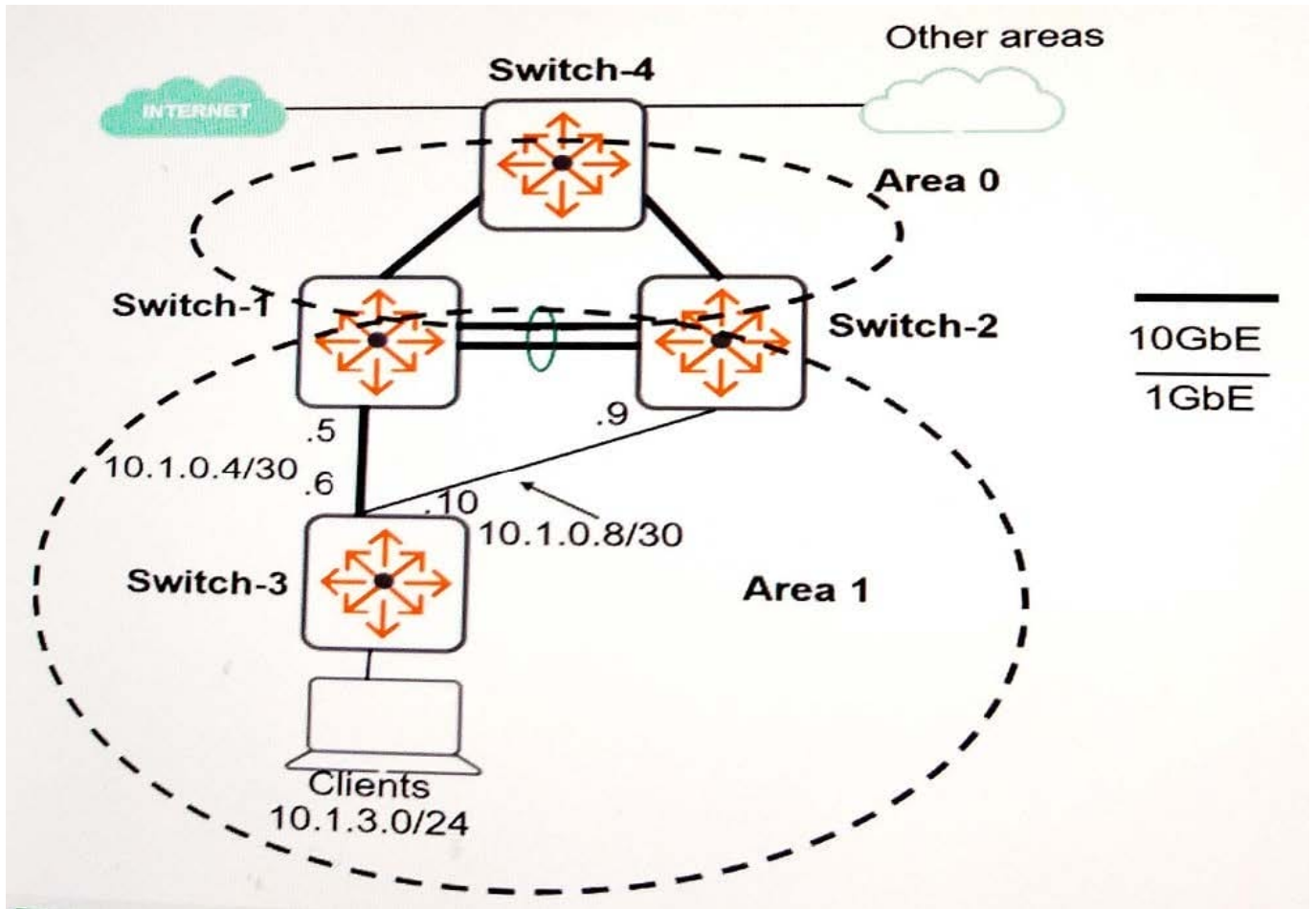Correct Answer: A

QUESTION 5

Refer to the exhibits

Exhibit 1

Exhibit 2

```
Switch-1 partial running-config
router ospf
  area backbone
  area 0.0.0.1 stub 1 no-summary

Switch-2 partial running-config
router ospf
  area backbone
  area 0.0.0.1 stub 1 no-summary

Switch-3 partial running-config
vlan 104
    ip address 10.1.0.6 255.255.255.252
    ip ospf area 0.0.0.1
    untagged a24
vlan 108
    ip address 10.1.0.10 255.255.255.252
    ip ospf area 0.0.0.1
    untagged a1
router ospf
    area 0.0.0.1 stub 1
```

Both Switch-1 and Switch-2 have an OSPF inter-area route to 10.2.0.0/16 with metric 10 in their IP routing table. Switch-3 has the default setting for ECMP. Based on the exhibits, what should the Switch-3 routing table display if the network operates as normal?

A. no route to 10.2.0.0/16

B. two routes to 10.2.0.0/16 through both 10.1.0.1 and 10.1.0.5

C. a route to 10.2.0.0/16 through 10.1.0.5

D. a route to 10.2.0.0/16 through 10.1.0.1

Correct Answer: A

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