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Alcatel-Lucent

4A0-C01

Nokia NRS II Composite Exam



Question: 114

What type of OSPFv3 LSA is shown?

? LSA

```
Interface Address: 10.2.4.2          Adv Router Id   : 10.10.10.4
Link State Id      : 2                LSA Type       : ?
Sequence No       : 0x80000002       Checksum        : 0xf3e4
Age                : 836              Length          : 44
Options           : --R--EV6         Rtr Priority    : 1
Link Local Addr   : FE80::6252:1FF:FE01:3
No of Pfxs        : 0
-----
```

- A . Router LSA
- B . Network LSA
- C . Inter-Area LSA
- D . Link LSA

Answer: B

Question: 115

What event causes an OSPF adjacency to change from 'down' to 'two way'?

- A . The router receives a link-state update in response to a link-state request.
- B . The router receives a hello packet from its neighbor that contains its own router ID in the neighbor list.
- C . The router receives a database description packet from its neighbor.
- D . The router receives a link-state acknowledgment in response to a link-state update.

Answer: B

Question: 116

Which of the following best describes the type of packets used by OSPF routers to exchange updates on a point-to-point link?

- A . IP packets sent to an IP multicast address.
- B . TCP packets sent to an IP multicast address.
- C . Ethernet frames sent to an Ethernet MAC address.
- D . UDP packets sent to an IP multicast address.

Answer: A

Question: 117

Your client has asked you to update their PeopleCode programs to replace outdated system variables with current system variables.

Which system variable replaces %OperatorId?

- A . %Session
- B . %CurrentUser
- C . %UserId
- D . %SessionUser
- E . %SessionId
- F . %SignonUserId

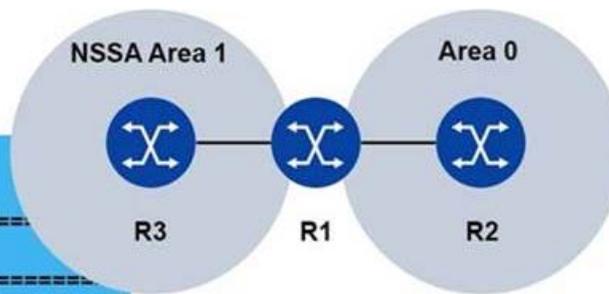
Answer: C

Explanation:

Reference: https://docs.oracle.com/cd/E41633_01/pt853pbh1/eng/pt/tpcr/task_DeprecatedItemsandPeopleCodeNoLongerSupported-da7e1c.html

Question: 118

192.168.3.1 is a loopback interface configured into router R2's OSPF area 0. A ping from router R3 to this loopback fails.



```

*A:R3# show router route-table
=====
Route Table (Router: Base)
=====
Dest Prefix      Type   Proto  Age           Pref
Next Hop[Interface Name]      Metric
-----
10.1.3.0/27      Local  Local  05d21h09m 0
toR1              0
10.10.10.1/32    Remote OSPF   00h17m01s 10
10.1.3.1          100
10.10.10.3/32    Local  Local  0144d19h 0
system            0
-----
No. of Routes: 3
=====
*A:R3# ping 192.168.3.1 count 1
PING 192.168.3.1 56 data bytes
No route to destination. Address: 192.168.3.1. Router: Base

---- 192.168.3.1 PING Statistics ----
1 packet transmitted, 0 packets received, 100% packet loss
*A:R3#

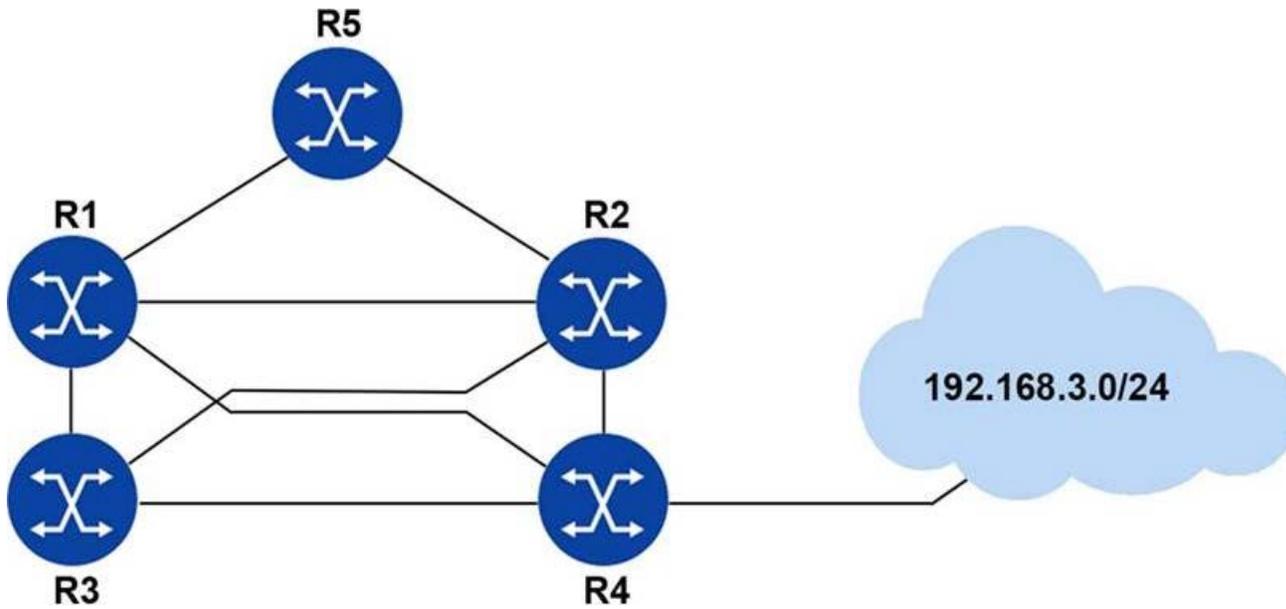
```

- Which of the following is a possible solution to the problem?
- A . Add the `originate-default-route` option in the NSSA area configuration on router R3.
 - B . Add the `summaries` option to the NSSA area configuration on router R1.
 - C . Configure a static route on router R1 to 192.168.3.1.
 - D . Configure a default route on router R2.

Answer: B

Question: 119

OSPF is operational on all links in the network diagram, all links have the same cost and all routers are configured with an ECMP value of 4. Router R4 advertises the prefix 192.168.3.0/24 into OSPF.



How many entries for prefix 192.168.3.0/24 will be in router R1's routing table?

- A . 0
- B . 1
- C . 2
- D . 3
- E . 4

Answer: B

Question: 120

Which router is the backup designated router for the broadcast network?

***A:R2# show router ospf database 1.1.1.1 detail**

```

=====
OSPF Link State Database (Type : All) (Detailed)
=====
-----
Network LSA for Area 0.0.0.0
-----
Area Id           : 0.0.0.0           Adv Router Id    : 10.10.10.2
Link State Id     : 1.1.1.1 (16843009)
LSA Type          : Network
Sequence No       : 0x80000002        Checksum         : 0x3991
Age               : 97                 Length          : 36
Options           : E
Network Mask      : 255.255.255.0     No of Adj Rtrs  : 3
Router Id (1)    : 10.10.10.2         Router Id (2)   : 10.10.10.3
Router Id (3)    : 10.10.10.6
=====

```

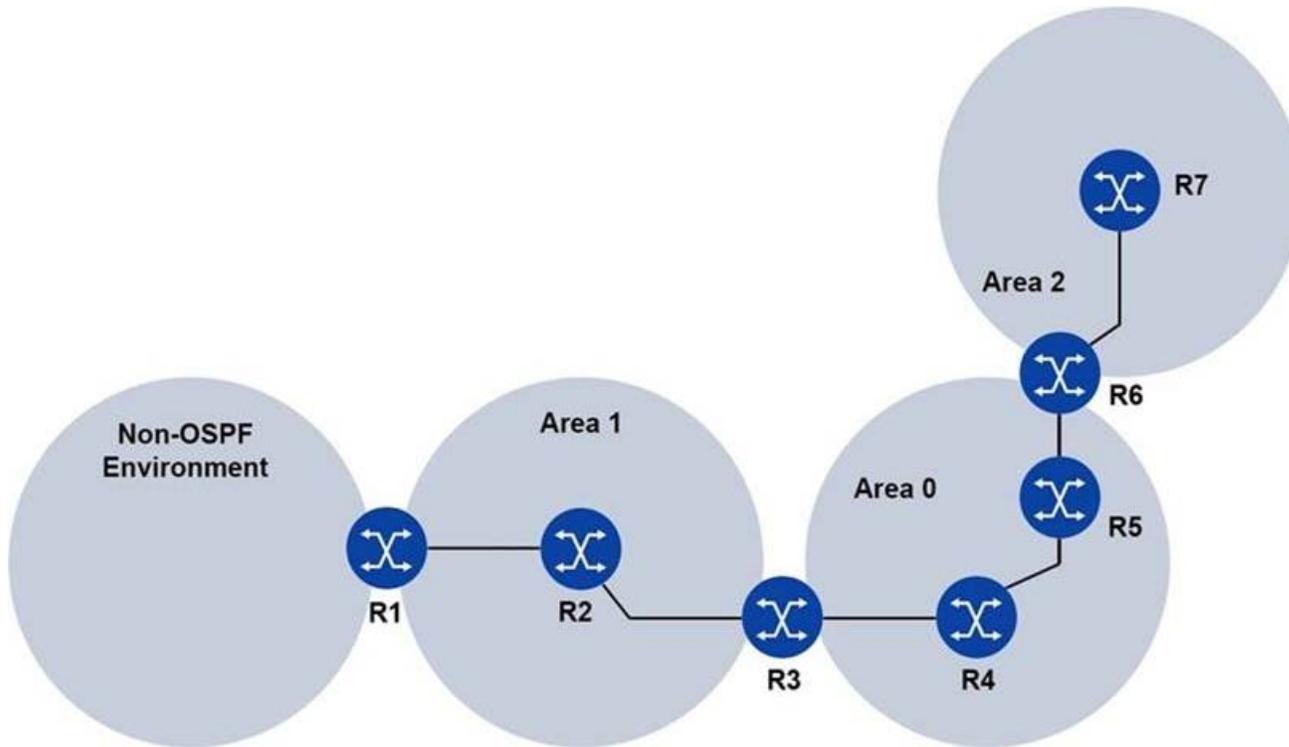
- A . 10.10.10.2

- B . 10.10.10.3
- C . 10.10.10.6
- D . There is not enough information given to determine the backup designated router.

Answer: D

Question: 121

In the topology shown, router R1 is an ASBR configured to export external routes to OSPF.



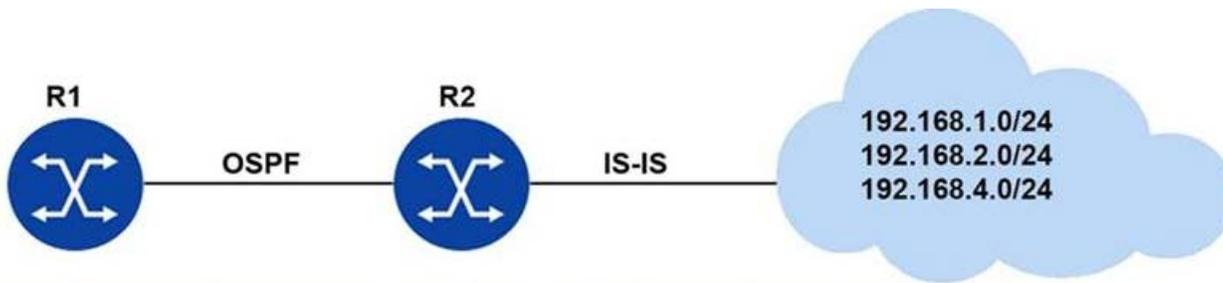
Assuming that there are no stub or NSSA networks, which of the following statements regarding LSAs is true?

- A . Only router R1 will generate Type 4 LSAs.
- B . Only router R3 will generate Type 4 LSAs.
- C . Routers R3 and R6 will generate Type 4 LSAs.
- D . Routers R1, R3 and R6 will generate Type 4 LSAs.

Answer: C

Question: 122

Router R2 learns the networks shown from IS-IS. Router R2 is configured to redistribute routes from IS-IS to OSPF as shown.



```

**A: AIRP_R02>config>router>ospf# info
-----
asbr
export "isis-ospf"
area 0.0.0.0
  interface "system"
    no shutdown
  exit
  interface "toR1"
    interface-type point-to-point
    no shutdown
  exit
exit
-----
*A: AIRP_R02>config>router>ospf#

```

```

**A: AIRP_R02>config>router>policy-options# info
-----
prefix-list "redist"
  prefix 192.168.0.0/22 longer
exit
policy-statement "isis-ospf"
  entry 10
    from
      protocol isis
      prefix-list "redist"
    exit
    action accept
  exit
exit
exit
-----
*A: AIRP_R02>config>router>policy-options#

```

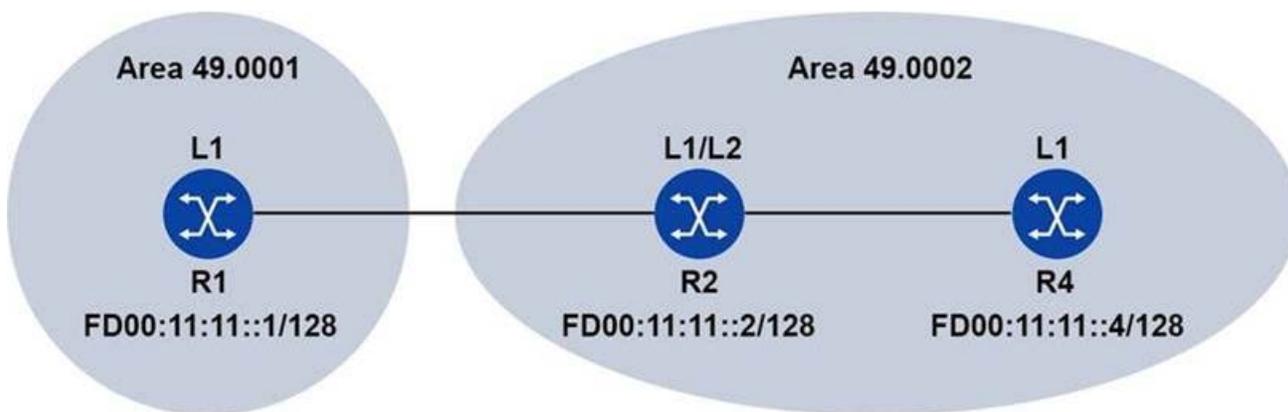
How many OSPF Type 5 LSAs will router R1 receive from router R2? Assume the OSPF and IS-IS adjacencies are operational.

- A . 0
- B . 1
- C . 2
- D . 3
- E . 4

Answer: D

Question: 123

IS-IS IPv6 routing is configured in the network with globally routed addresses as shown.



How many routes will router R4 have in its IPv6 route table?

- A . 1

B.2
C.3
D.4
E.6
F.7

Answer: B



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