4A0-101^{Q&As}

Alcatel-Lucent Interior Routing Protocols and High Availability

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QUESTION 1

Click the exhibit button.

```
•"ISIS PKT:                              •"ISIS PKT:
•TX ISIS PDU ifid 3 len 59:             •RX ISIS PDU ifid 3 len 43:
•  Proto Disc   : 131                   •  Proto Disc   : 131
•  Header Len   : 27                    •  Header Len   : 20
•  Version PID  : 1                     •  Version PID  : 1
•  ID Length    : 0                     •  ID Length    : 0
•  Version      : 1                     •  Version      : 1
•  Reserved     : 0                     •  Reserved     : 0
•  Max Area Addr : 3                    •  Max Area Addr : 3
•  PDU Type     : (10) Level 2 LAN      •  PDU Type     : (11) Point-2-Point
     IS-IS Hello Pdu                         IS-IS Hello Pdu
•  Circuit Type : L1L2                  •  Circuit Type : L1L2
•  Source Id    : 01 00 10 01 00 04     •  Source Id    : 01 00 10 01 00 03
•  Hold Time    : 27                    •  Hold Time    : 27
•  Packet length : 42                   •  Packet length : 42
•  Priority     : 64                    •  Circuit Id   : 0
•  LAN Id       : 01 00 10 01 00 04 01  •  Area Addresses:
•  Area Addresses:                      •    Area Address : (3) 49.0002
•    Area Address : (3) 49.0002         •  Supp Protocols:
•  Supp Protocols:                      •    Protocols   : IPv4
•    Protocols   : IPv4                 •  I/F Addresses :
•  I/F Addresses :                      •    I/F Address  : 10.3.4.1
•    I/F Address  : 10.3.4.2            •  3Way Adjacency :
                                        •  State        :
                                        •  Ext ckt ID   : 1
```
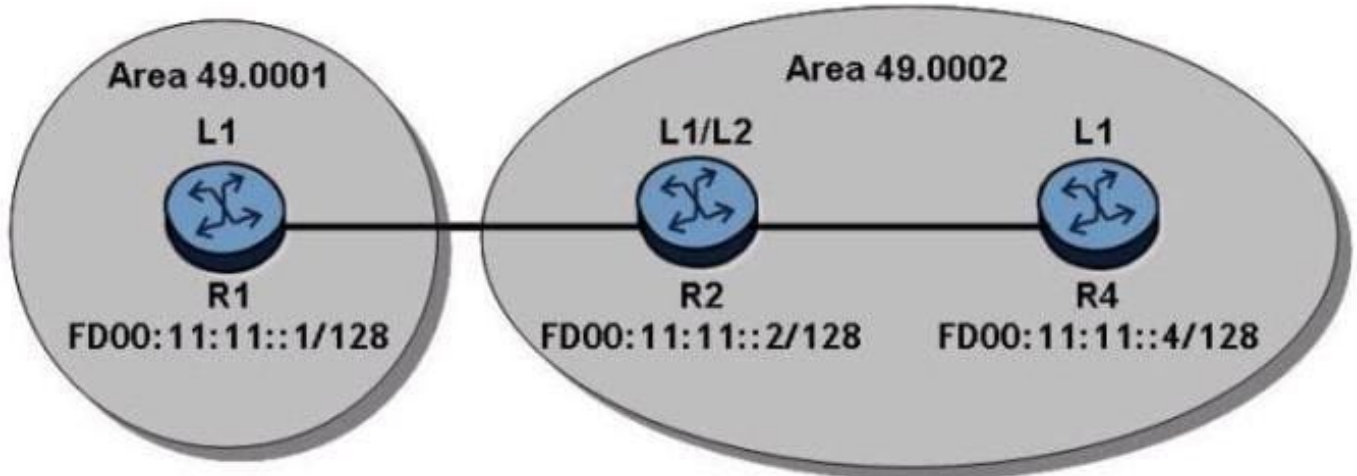
What is the state of adjacency?

A. Initializing

B. Up

C. Down

D. 2-Way

Correct Answer: C

QUESTION 2

Refer to the exhibit below. IS-IS IPv6 routing is configured in the network with globally routed addresses as shown. How many routes will R4 have in its IPv6 route table?

A. 1

B. 2

C. 3

D. 4

E. 6

F. 7

Correct Answer: B

QUESTION 3

Which type of IS-IS router is summarization most likely to be configured on?

A. L1 routers

B. L2 routers

C. L1/L2 routers

D. L1 and L2 routers

Correct Answer: C

QUESTION 4

The exhibit shows a route to 2001:DB8:1:200::/56 in the IPv6 route table. How did the route get into the route table?

```
*A:R1# show router route-table ipv6

==========================================================================
IPv6 Route Table (Router: Base)
==========================================================================
Dest Prefix                                Type      Proto    Age        Pref
       Next Hop[Interface Name]                                 Metric
--------------------------------------------------------------------------
2001:DB8:1:100::1/128                       Local     Local    00h58m51s  0
       system                                                   0
2001:DB8:1:200::/56                         Remote    Static   00h00m20s  5
       FE80::225:BAFF:FE30:94E3-"toR2"                          1
--------------------------------------------------------------------------
No. of Routes: 2
==========================================================================
```

A. Configure router ipv6 static-route 2001:DB8:1:200::/56 next-hop FE80::225:BAFF:FE30:94E3

B. Configure router ipv6 static-route 2001:DB8:1:200::/56 next-hop FE80::225:BAFF:FE30:94E3-toR2

C. Configure router static-route 2001:DB8:1:200::/56 next-hop FE80::225:BAFF:FE30:94E3

D. Configure router static-route 2001:DB8:1:200::/56 next-hop FE80::225:BAFF:FE30:94E3- toR2

E. The route was learned through a dynamic routing protocol.

Correct Answer: D

QUESTION 5

Which of the following are similarities between OSPF and IS-IS? Choose two answers.

A. Metric is based on hop count.

B. Slow convergence after link failures.

C. Support hierarchy through the use of areas.

D. Support for CIDR.

E. Link state updates sent using layer 3 multicast.

Correct Answer: CD