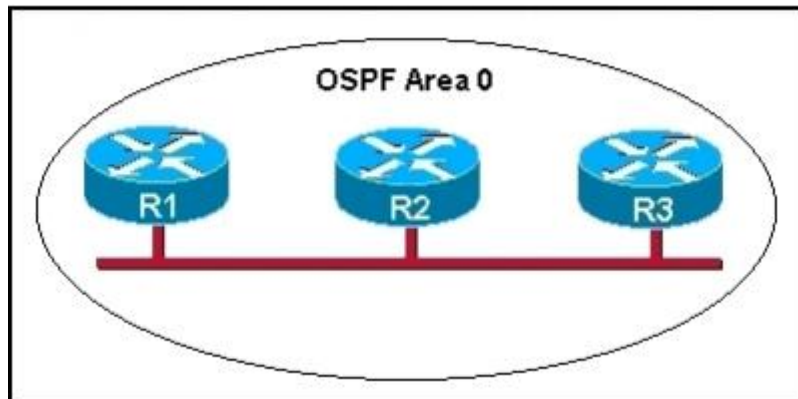


Refer to the graphic. R1 is unable to establish an OSPF neighbor relationship with R3. What are possible reasons for this problem? (Choose two.)



- A. All of the routers need to be configured for backbone Area 1.
- B. R1 and R2 are the DR and BDR, so OSPF will not establish neighbor adjacency with R3
- C. A static route has been configured from R1 to R3 and prevents the neighbor adjacency from being established.
- D. The hello and dead interval timers are not set to the same values on R1 and R3.
- E. EIGRP is also configured on these routers with a lower administrative distance.
- F. R1 and R3 are configured in different areas.

Correct Answer: DF

Explanation

Explanation/Reference:

A is not correct because the backbone area of OSPF is always Area 0.

B is not correct because R1 or R3 must be the DR or BDR -> it has to establish neighbor adjacency with the other.

C is not correct because OSPF neighbor relationship is not established based on static routing. It uses multicast address 224.0.0.5 to establish OSPF neighbor relationship.

E is not correct because configure EIGRP on these routers (with a lower administrative distance) will force these routers to run EIGRP, not OSPF. D and F are correct because these entries must match on neighboring routers:

- Hello and dead intervals
- Area ID (Area 0 in this case)
- Authentication password
- Stub area flag