Informal Quiz 4: More Routing, DNS

True or False?

T F

- ☐ ☐ Path-vector based distance vector algorithms have a full map of the network like Link state algorithms
- ☐ ☐ EGP is restricted to a tree topology because it is incapable of comparing paths and therefore would lead to stable loops otherwise.
- ☐ ☐ Currently core routers have about 100000 routes, which suggests poor address aggregation
- ☐ ☐ A stub AS could have traffic neither originating or terminating at the AS.
- ☐ ☐ An ORIGIN attribute of “INCOMPLETE” indicates that the routes were injected dynamically into BGP by IGPs.

Informal Quiz 4 (contd)

- ☐ ☐ The routes in Adj-RIB-Out are likely to be different from Adj-RIB-In because BGP does policy-based route filtering
- ☐ ☐ One of the steps of the BGP “tie-breaker” algorithm prefers the lowest ORIGIN attribute because statically injected routes are likely to be more stable than dynamically injected routes.
- ☐ ☐ The AS path length cannot be used by IBGP because the IBGP connectivity is within a single AS
- ☐ ☐ The internet name space is organized in the same way as the address space: driven by topology & routing.
- ☐ ☐ Reponsible DNS servers must support recursive queries.
- ☐ ☐ The changing of either the IP address or the name leads to an update of DNS.

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