

Cisco

Exam Questions 300-101

Implementing Cisco IP Routing



NEW QUESTION 1

How route tags can be set?(choose two)

- A. ONLY within route tags
- B. within tag lists
- C. can be set with ONLY route-maps
- D. can be set DIRECTLY within route maps.
- E. only used on link state RPs

Answer: BD

NEW QUESTION 2

Drag and drop the GRE features from the left onto the correct descriptions on the right.

IPsec	clear-text password that confirms the peer connection
keepalive	configurable value that prevents an interface from sending packets that are too large for the tunnel
mGRE	technology that prevents one side of the tunnel from going down while the other stays up
MSS	technology that supports dynamic tunnel endpoints
tunnel key	encryption protocol used to source tunnels

Answer:

Explanation:

IPsec	clear-text password that confirms the peer connection
keepalive	configurable value that prevents an interface from sending packets that are too large for the tunnel
mGRE	technology that prevents one side of the tunnel from going down while the other stays up
MSS	technology that supports dynamic tunnel endpoints
tunnel key	encryption protocol used to source tunnels

NEW QUESTION 3

What does stateful NAT64 do that stateless NAT64 does not do?

- A. Stateful NAT64 maintains bindings of IPv4 to IPv6 link-local addresses.
- B. Stateful NAT64 translates IPv4 to IPv6.
- C. Stateful NAT64 translates IPv6 to IPv4.
- D. Stateful NAT64 maintains bindings or session state while performing translation.

Answer: D

NEW QUESTION 4

What is the default authentication in RIPv2 when authentication is enabled?

- A. enable password authentication
- B. MD5 authentication
- C. SHA1 authentication
- D. plaintext authentication

Answer: D

NEW QUESTION 5

Refer to the following configuration command. Which statement about the command is true? `router(config)#ip nat inside source static tcp 172.16.10.8 8080 172.16.10.8 80`

- A. Any packet that is received in the inside interface with a source IP port address 172.16.10.8:8080 is translated to 172.16.10.8:80
- B. Any packet that is received in the inside interface with a source IP port address of 172.16. 10.8: 80 is translated to 172.16.10.8.8080
- C. The router accepts only a TCP connection from port 8080 and port 80 on IP address 172.16
- D. Any packet that is received in the inside interface with a source IP address of 172.16.10.8 is redirected to port 8080 or port 80

Answer: A

NEW QUESTION 6

Which task must you perform to enable a point-to-point Frame Relay connection?

- A. Enable inverse ARP.
- B. Configure the encapsulation type.
- C. Configure static address mapping.
- D. Disable inverse ARP.

Answer: C

NEW QUESTION 7

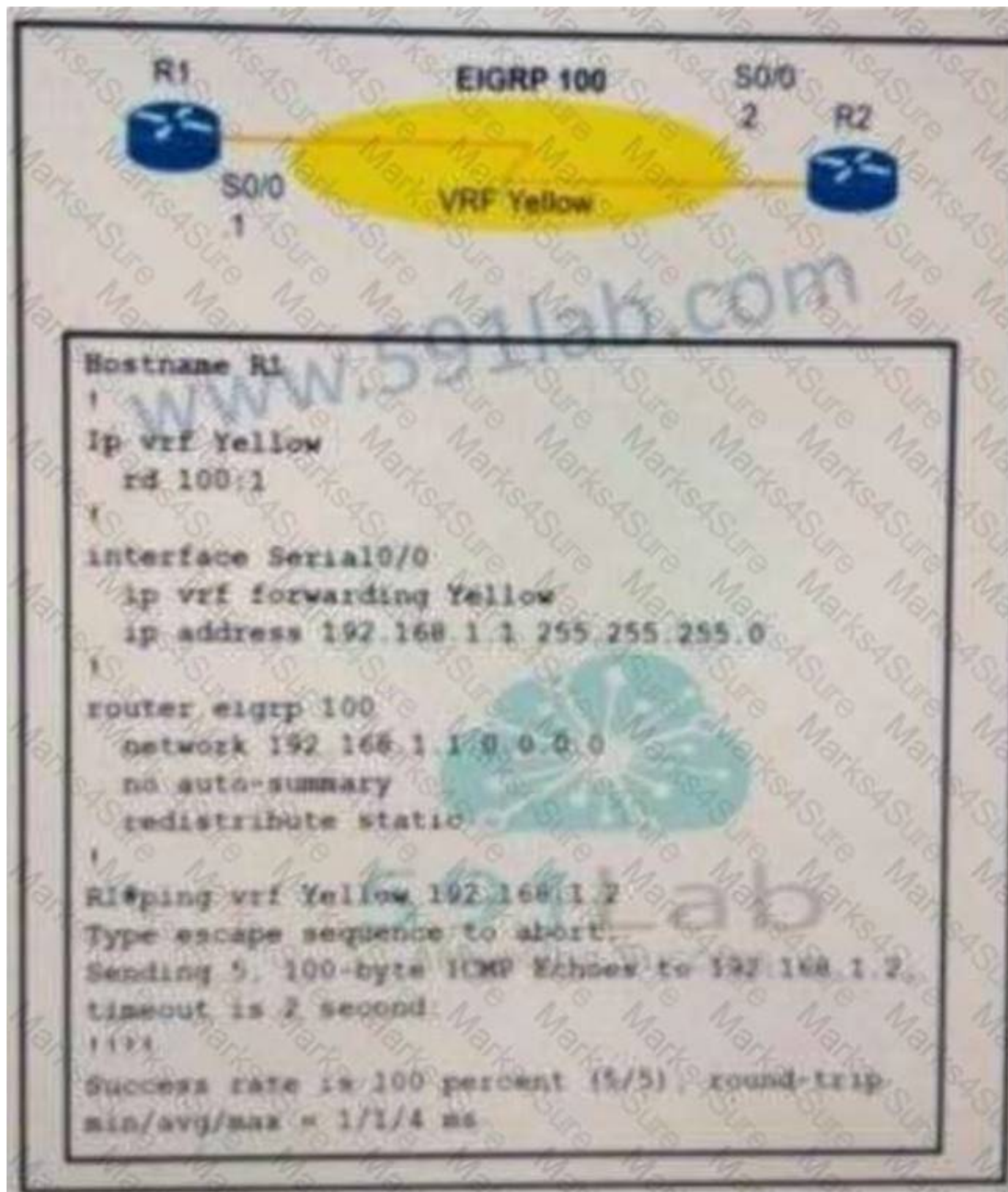
Which condition prevents the establishment of a DMVPN tunnel between two spokes?

- A. The two spokes have different tunnel keepalive settings
- B. HSRP is enabled on the spoke devices
- C. IPsec is enabled on the spoke devices
- D. The two spokes are behind different PAT devices

Answer: A

NEW QUESTION 8

Refer to the exhibit.



R1 is configured with VRF-Lite and can ping R2. R2 is fully configured, but it has no active EIGRP neighbors in vrf Yellow. If the configuration of R2 is complete, then which issue prevents the EIGRP 100 neighbor relationship in vrf Yellow from forming?

- A. The no auto-summary command is preventing the EIGRP neighbor relationship from forming
- B. There is a Layer 1 issue that prevents the EIGRP neighbor relationship from forming
- C. The interface IP addresses are not in the same subnet
- D. EIGRP 100 network 192 168 1 0/24 is configured in the global routing table on R1

Answer: D

NEW QUESTION 9

Where can NetFlow export data for long term storage and analysis?

- A. another network device
- B. syslog
- C. flat file
- D. collector

Answer: D

NEW QUESTION 10

Which two types of threshold are configured for tracking object? (Choose two)

- A. delay
- B. percentage
- C. bandwidth
- D. administrative distance
- E. weight

Answer: BE

NEW QUESTION 10

TCP traffic is blocked on port 547 between a DHCPv6 relay agent and a DHCPv6 server that is configured for prefix delegation. Which two outcomes with result

when the relay agent is rebooted? (Choose two.)

- A. Hosts will not obtain DHCPv6 addresses
- B. The DHCPv6 relay agent will resume distributing addresses
- C. DHCPv6 address conflicts will occur on downstream clients
- D. Routers will not obtain DHCPv6 prefixes.
- E. DHCPv6 clients will be unreachable

Answer: AD

NEW QUESTION 12

Which two statements are true of the OSPF link-state routing protocol? (Choose two.)

- A. Using the Bellman-Ford algorithm, each OSPF router independently calculates its best paths to all destinations in the network.
- B. Using the DUAL algorithm, each OSPF router independently calculates its best paths to all destinations in the network.
- C. OSPF sends summaries of individual link-state entries every 30 minutes to ensure LSDB synchronization.
- D. OSPF sends triggered updates when a network change occurs
- E. OSPF sends updates every 10 seconds
- F. When a link changes state, the router that detected the change creates a link-state advertisement (LSA) and propagates it to all OSPF devices using the 224.0.0.6 multicast address.

Answer: CD

NEW QUESTION 17

which phase of dmpvn spoke to spoke communications?

- A. phase2
- B. phase4C
- C. phase5
- D. phase6
- E. phase1

Answer: A

NEW QUESTION 20

Which are new LSA types in OSPF for IPv6 (OSPFv3)? (Choose two)

- A. LSA Type 8
- B. LSA Type 9
- C. LSA Type 10
- D. LSA Type 12

Answer: AB

NEW QUESTION 21

Drag and drop the statements about NAT64 from the left onto the correct NAT64 types on the right.

ALG is not supported.

It supports FTP64 for ALG.

It supports PAT and overload.

It supports one-to-one mappings only.

It allows IPv6 systems to use any type of IPv6 address.

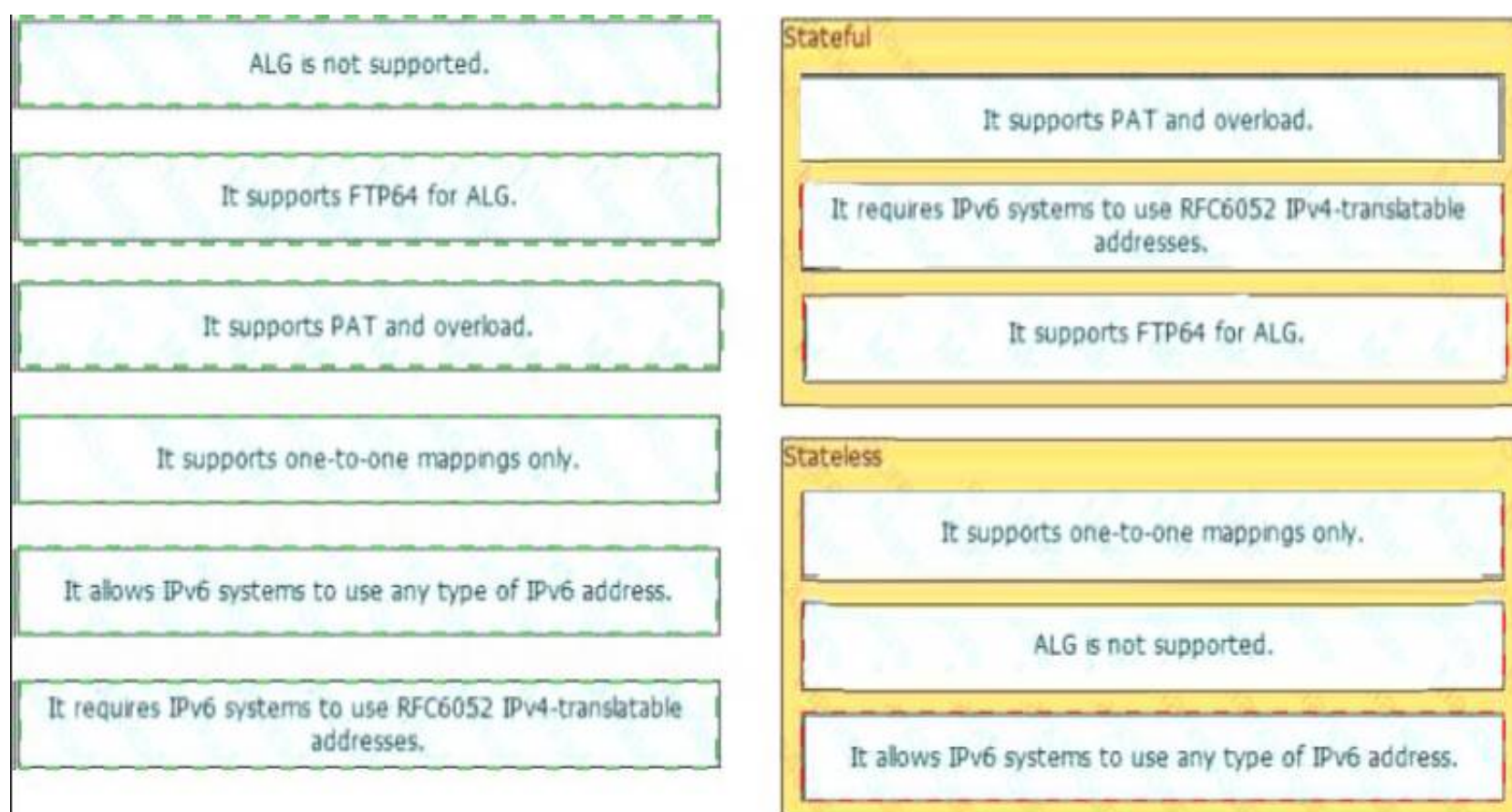
It requires IPv6 systems to use RFC6052 IPv4-translatable addresses.

Stateful

Stateless

Answer:

Explanation:



NEW QUESTION 22

What is the minimum privilege level to allow a user to execute all user-level commands but prohibits enable level commands by default?

- A. level 0
- B. level 1
- C. level 14
- D. level 15
- E. level 16

Answer: B

NEW QUESTION 26

Which SNMP model and level can provide DES encryption?

- A. SNMPV2noAuthNoPriv
- B. SNMPv3authNoPriv
- C. SNMPv3 authEn
- D. SNMPv3noAuthNoPriv

Answer: C

NEW QUESTION 31

Refer to the exhibit.

```
access-list 1 permit 192.168.1.1
access-list 1 deny any
!
access-list 2 permit 192.168.1.4
access-list 2 deny any
!
ntp access-group serve 1
ntp master 4
ntp access-group peer 2
```

Which three NTP features can be deduced on the router (Choose three.)

- A. only accepts time requests from 192.168.1.1
- B. only handle four requests at a time
- C. only is in stratum 4
- D. only updates its time from 192.168.1.1
- E. only accepts time requests from 192.168.1.4
- F. only updates its time from 192.168.1.4

Answer: ACF

NEW QUESTION 34

What is the hop count that is advertised for an unreachable network by a RIP routes that uses poison reverse?

- A. 15
- B. 16
- C. 255

Answer: C

NEW QUESTION 36

With which network type will OSPF establish router adjacencies but not perform the DR/BDR election

- A. Point-to-point
- B. Backbone area 0
- C. Broadcast multi-access
- D. Non-broadcast multi-access

Answer: A

NEW QUESTION 38

In which scenario can asymmetric routing occur?

- A. active/standby firewall setup
- B. active/active firewall setup
- C. redundant routers running VRRP
- D. single path in and out of the network

Answer: B

NEW QUESTION 39

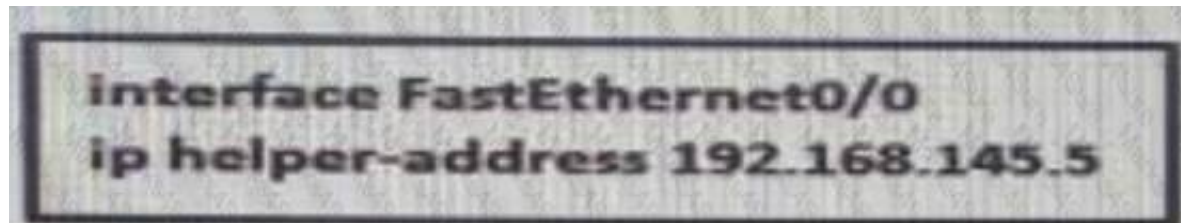
Which routing protocol routes traffic through the best path and second best path at the same time?

- A. EIGRP
- B. BGP
- C. OSPF
- D. RIP

Answer: B

NEW QUESTION 42

Refer to exhibit.



A packet capture indicates that router is not forwarding the DHCP packets that it receives on interface FastEthernet command must be entered in global configuration mode to resolve this issue?

- A. ip forward-protocol
- B. ip DHCP relay
- C. ip helper
- D. service DHCP

Answer: A

NEW QUESTION 46

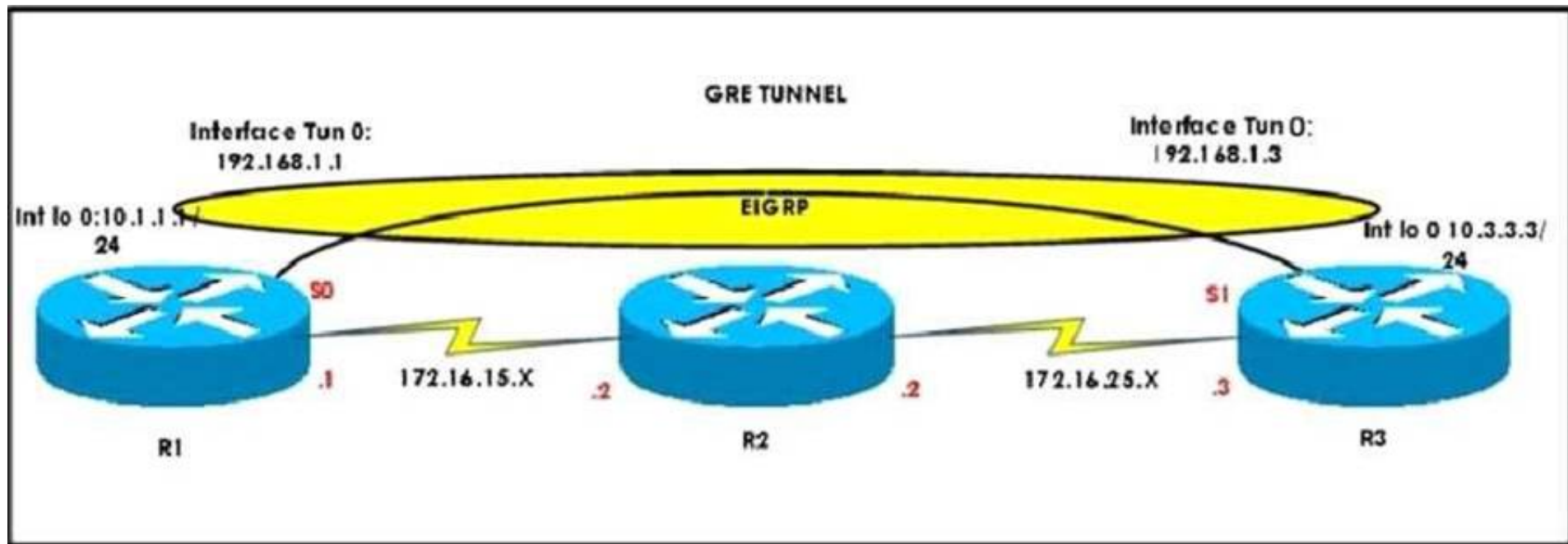
Which two statements about VRF-Lite configuration are true? (Choose two)

- A. They support ISIS.
- B. Each customer has its own dedicated TCAM resources.
- C. Different customers can have overlapping IP addresses on different VPNs.
- D. They support the exchange of MPLS labels.
- E. They support a maximum of 512 000 routes.
- F. Each customer has its own private routing table.

Answer: BF

NEW QUESTION 51

Refer to the exhibit.



After configuring GRE between two routers running EIGRP that are connected to each other via a WAN link, a network engineer notices that the two routers cannot establish the GRE tunnel to begin the exchange of routing updates. What is the reason for this?

- A. Either a firewall between the two routers or an ACL on the router is blocking TCP 47.
- B. Either a firewall between the two routers or an ACL on the router is blocking IP protocol
- C. Either a firewall between the two routers or an ACL on the router is blocking UDP 57
- D. Either a firewall between the two routers or an ACL on the router is blocking IP protocol number 47

Answer: B

NEW QUESTION 53

Which two BGP neighbor states are valid? (Choose two)

- A. DROTHER
- B. established
- C. stuck in active
- D. unknown
- E. 2-WAY
- F. active

Answer: BF

NEW QUESTION 55

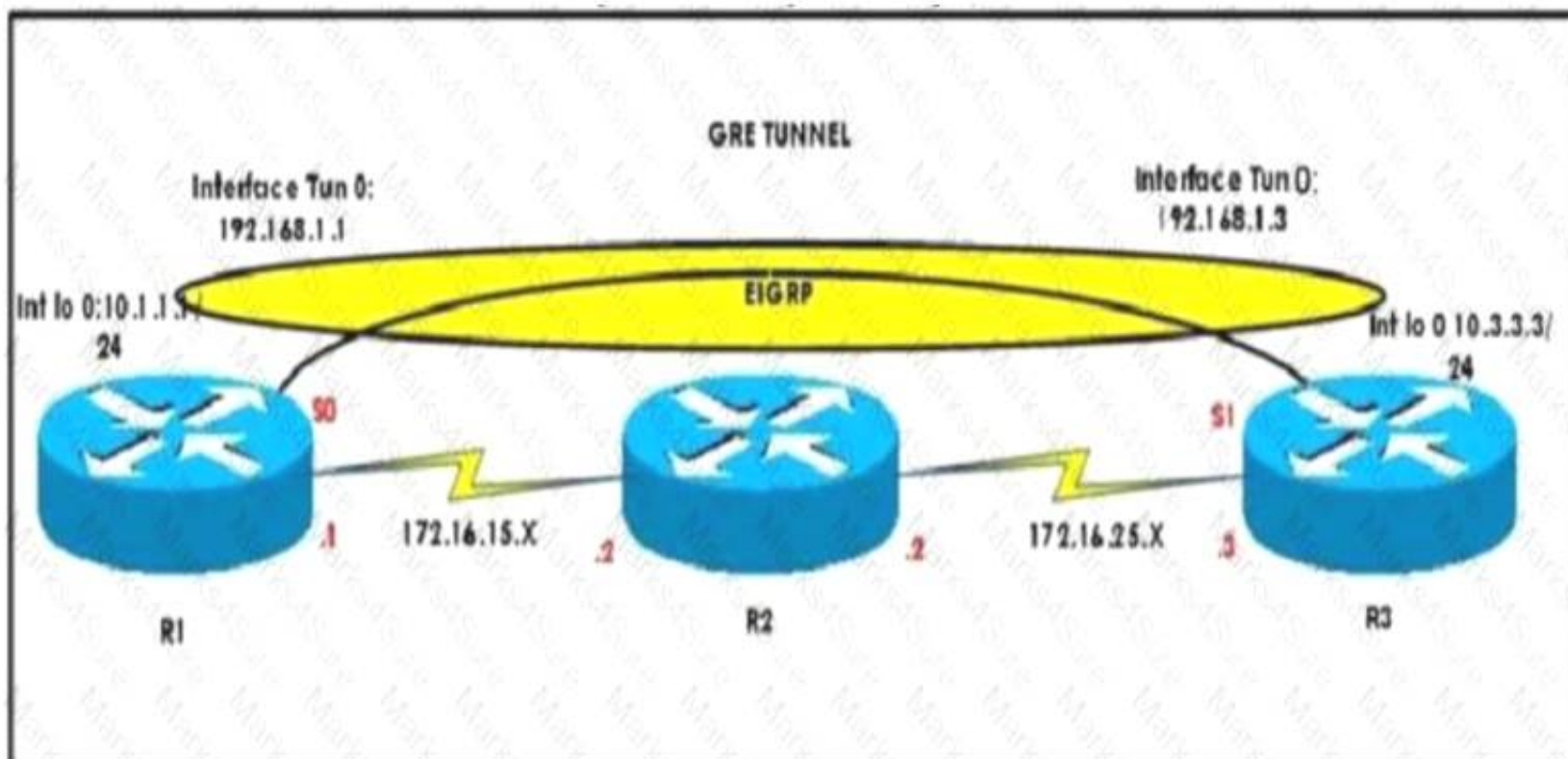
How is authentication handled with OSPFv3?

- A. OSPFv3 for IPv6 authentication is supported by SHA-1 authentication.
- B. OSPFv3 for IPv6 authentication is supported by MD5 authentication
- C. OSPFv3 for IPv6 authentication is supported by IPv6 IPsec
- D. OSPFv3 for IPv6 authentication is supported by IPv4 IPsec

Answer: C

NEW QUESTION 58

After configuring RIPng on two routers that are connected via a WAN link, a network engineer notices that the two routers cannot exchange routing updates. What is the reason for this?



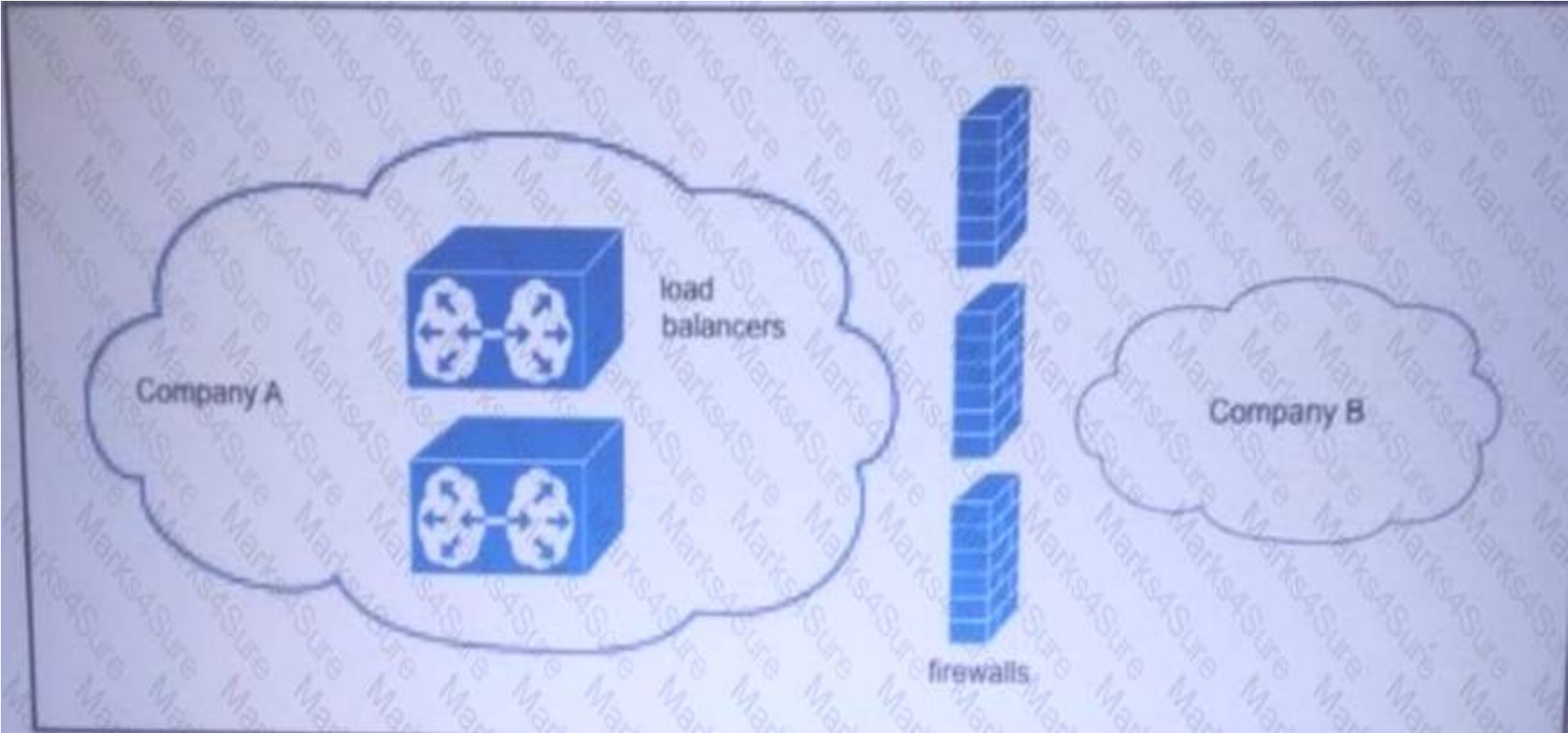
- A. Either a firewall between the two routers or an ACL on the router is blocking UDP 521
- B. Either a firewall between the two routers or an ACL on the router is blocking TCP 520
- C. Either a firewall between the two routers or an ACL on the router is blocking TCP 521
- D. Either a firewall between the two routers or an ACL on the router is blocking UDP 520.

Answer: A

NEW QUESTION 59

Refer to the exhibit.

Which networking challenge is the most important issue due to address to enable optimal communication between the networks at company A and company B?



- A. unicast flooding
- B. IPv4 MTU
- C. asymmetric
- D. routing IPv4 fragmentation
- E. UDP latency

Answer: C

NEW QUESTION 64

Drag and drop the statement about device security from the left on the correct features on the right.

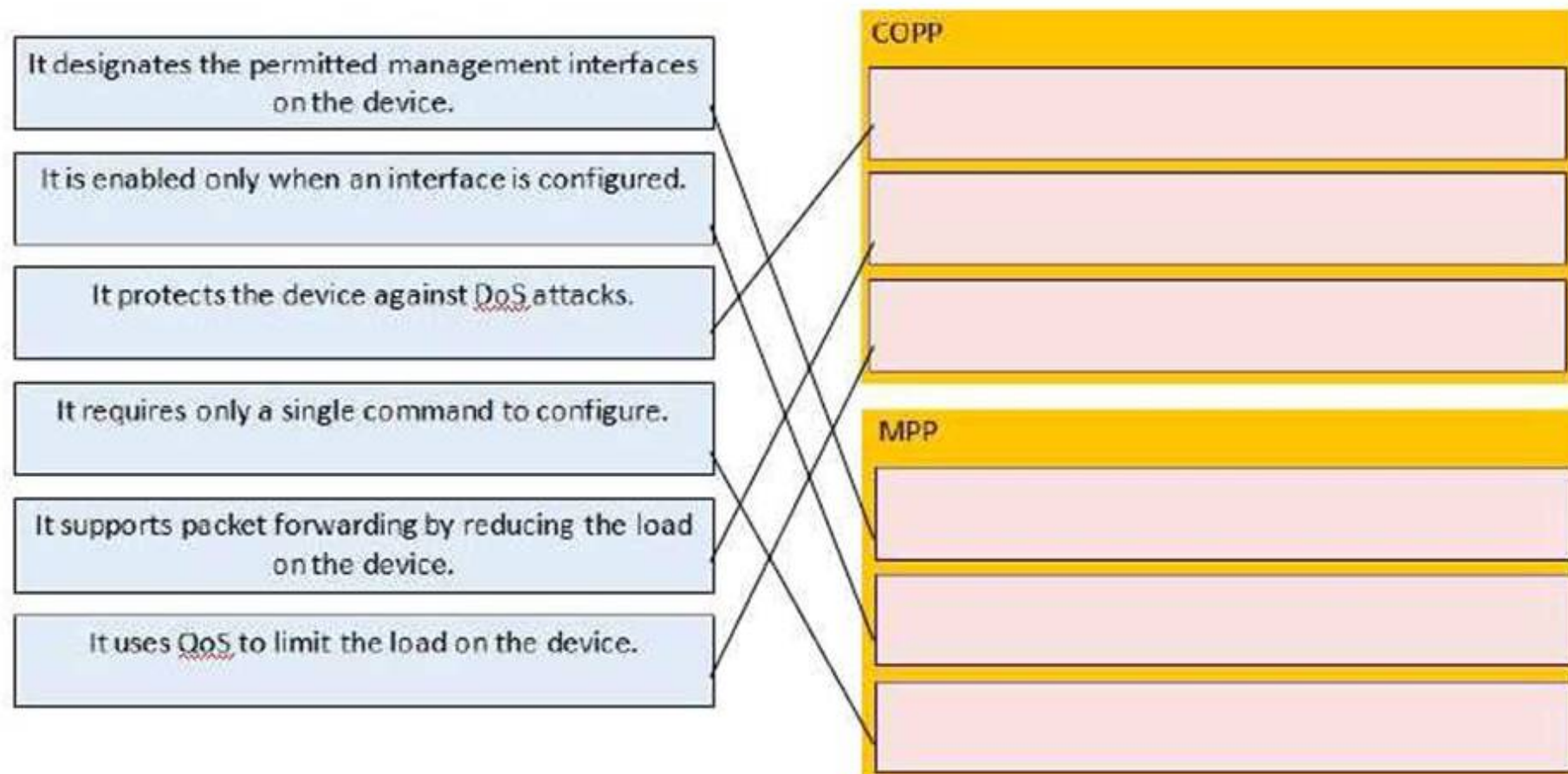
- It designates the permitted management interfaces on the device.
- It is enabled only when an interface is configured.
- It protects the device against DoS attacks.
- It requires only a single command to configure.
- It supports packet forwarding by reducing the load on the device.
- It uses QoS to limit the load on the device.

COPP

MPP

Answer:

Explanation:



NEW QUESTION 67

Refer to the following.

```
aaa new-model
```

```
aaa authentication login default local-case enable aaa authentication login ADMIN local-case username CCNP secret Str0ngP@ssw0rd!
```

```
line 0 4
```

```
login authentication ADMIN
```

How can you change this configuration so that when user CCNP logs in, the show run command is executed and the session is terminated?

- A. Add the autocommand keyword to the aaa authentication command
- B. Assign privilege level 15 to the CCNP username
- C. Add the access-class keyword to the aaa authentication command
- D. Assign privilege level14 to the CCNP username
- E. Add the access-class keyword to the username command
- F. Add the autocommand keyword to the username command

Answer: F

NEW QUESTION 68

Refer to the exhibit.

```
ip vrf BLUE
ip vrf RED
!
interface FastEthernet0/0
ip vrf forwarding RED
ip address 10.1.1.1
255.255.255.0
!
interface FastEthernet0/1
ip vrf forwarding BLUE
ip address 10.1.2.1
255.255.255.0
```

Network users on the 10.1.2.0/24 subnet have a default gateway of 10.1.2.254. Which command will configure this gateway?

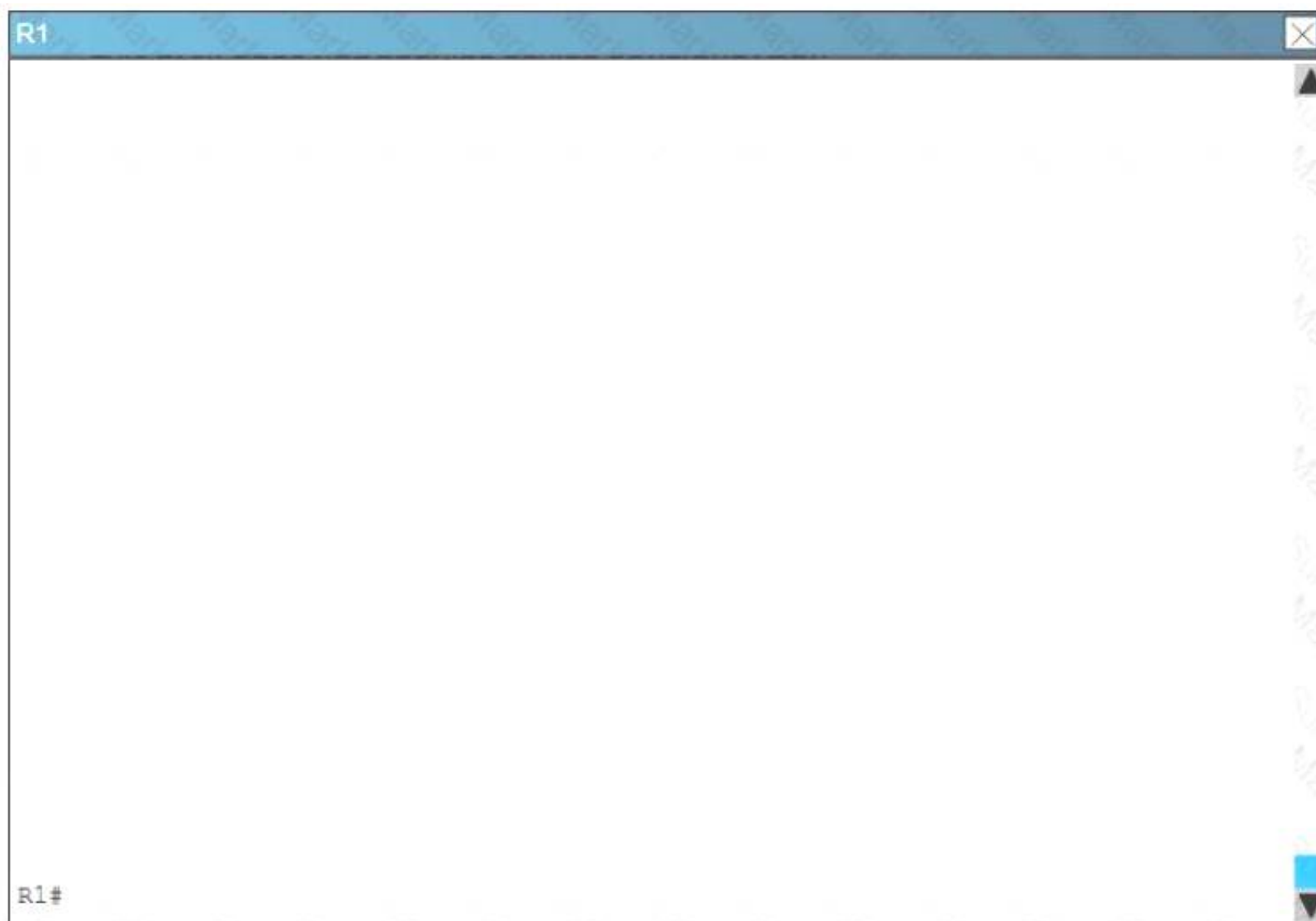
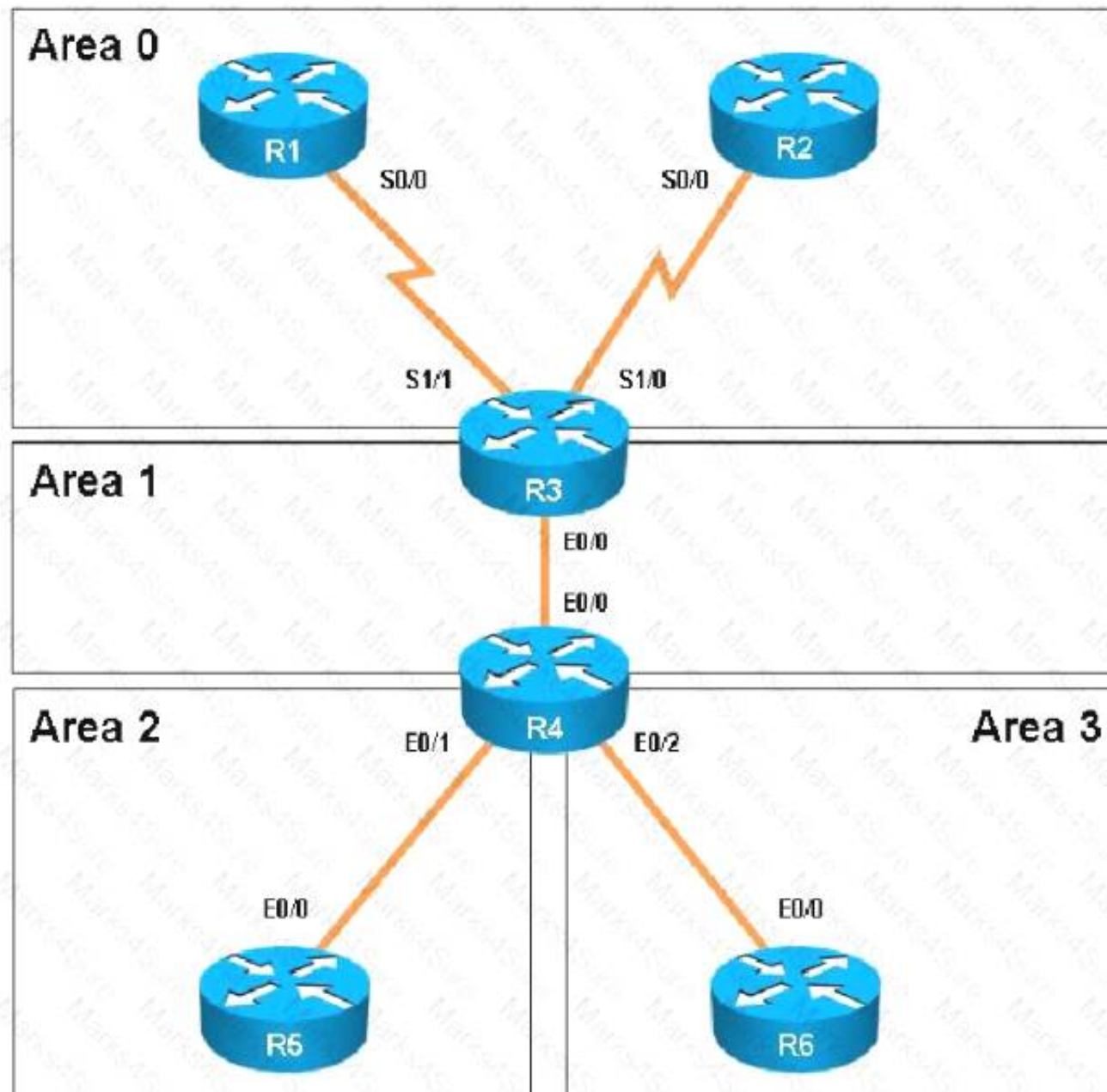
- A. router(config)#ip route vrf RED 0 0.0 0 0 0.0.0 10.1.2.254
- B. router(config)#ip route 0.0.0.0 0.0.0.0 10.1.2.254
- C. router(config)#ip route 0.0.0 0 0.0.0.0 fastethernet0/1
- D. router(config)#ip route vrf BLUE 0.0.0.0 0.0.0.0 10.1.2.254

Answer: D

NEW QUESTION 70

Scenario:

You have been asked to evaluate an OSPF network setup in a test lab and to answer questions a customer has about its operation. The customer has disabled your access to the show running-config command.



R2

R2#

R3

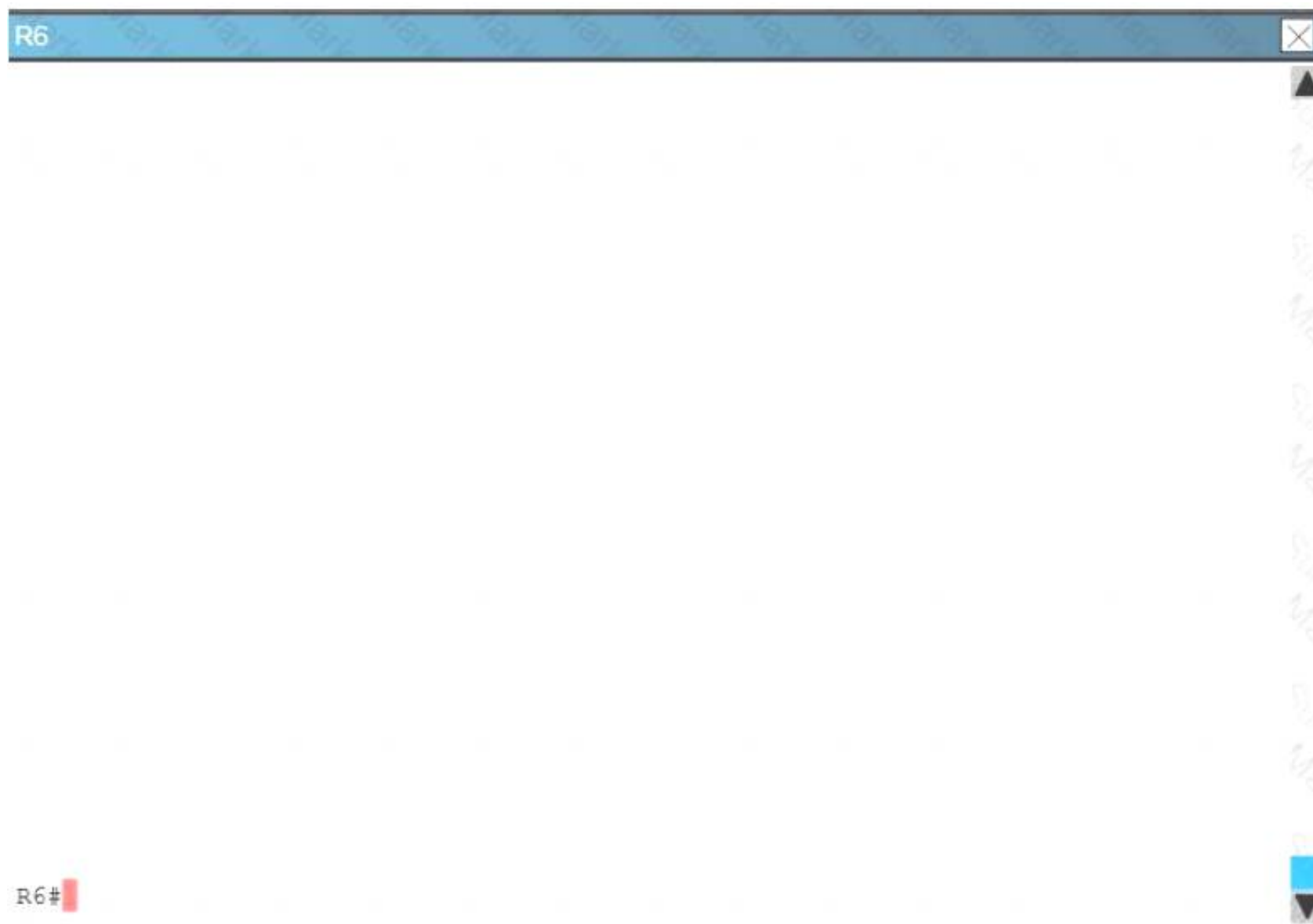
R3#

R4

R4#

R5

R5#



How old is the Type 4 LSA from Router 3 for area 1 on the router R5 based on the output you have examined?

- A. 1858
- B. 1601
- C. 600
- D. 1569

Answer: A

NEW QUESTION 71

A network engineer has configured an IOS router to synchronize its clock with a Windows server. After several minutes, the network engineer notices that the local time on the router does not match the time on the windows server. What is the reason for this?

- A. Either a firewall between the drives or an ACL on the router is blocking TCP port 958.
- B. Either a firewall between the two devices or an ACL on the router is blocking TCP port 123.
- C. Either a firewall between the two devices or an ACL on the router is blocking UDP port 123.
- D. Either a firewall between the two devices or an ACL on the router is blocking UDP port 858.

Answer: C

NEW QUESTION 73

A. remaining key lifetime

- A. path MTU
- B. invalid identity packets D inbound crypto map
- C. tagged packets
- D. untagged packets

Answer: ABD

NEW QUESTION 78

Which configuration parameter is invalid when configuration unicast reverse path forwarding?

- A. source reachable via both
- B. allow self to router
- C. allow based on ACL match
- D. allow default route

Answer: A

NEW QUESTION 81

Which two statements about AAA with the local database are true?(Choose two)

- A. The local database can serve only as a backup authentication method

- B. It supports a limited number of usernames and passwords Accounting is not supported locally
- C. By default, it is queried before a TACACS+ or RADIUS server
- D. Authorization is available only for one-time -use logins

Answer: BC

NEW QUESTION 82

When an EIGRP router discovers a new neighbor, which packet type does the router send to help the neighbor build its topology table?

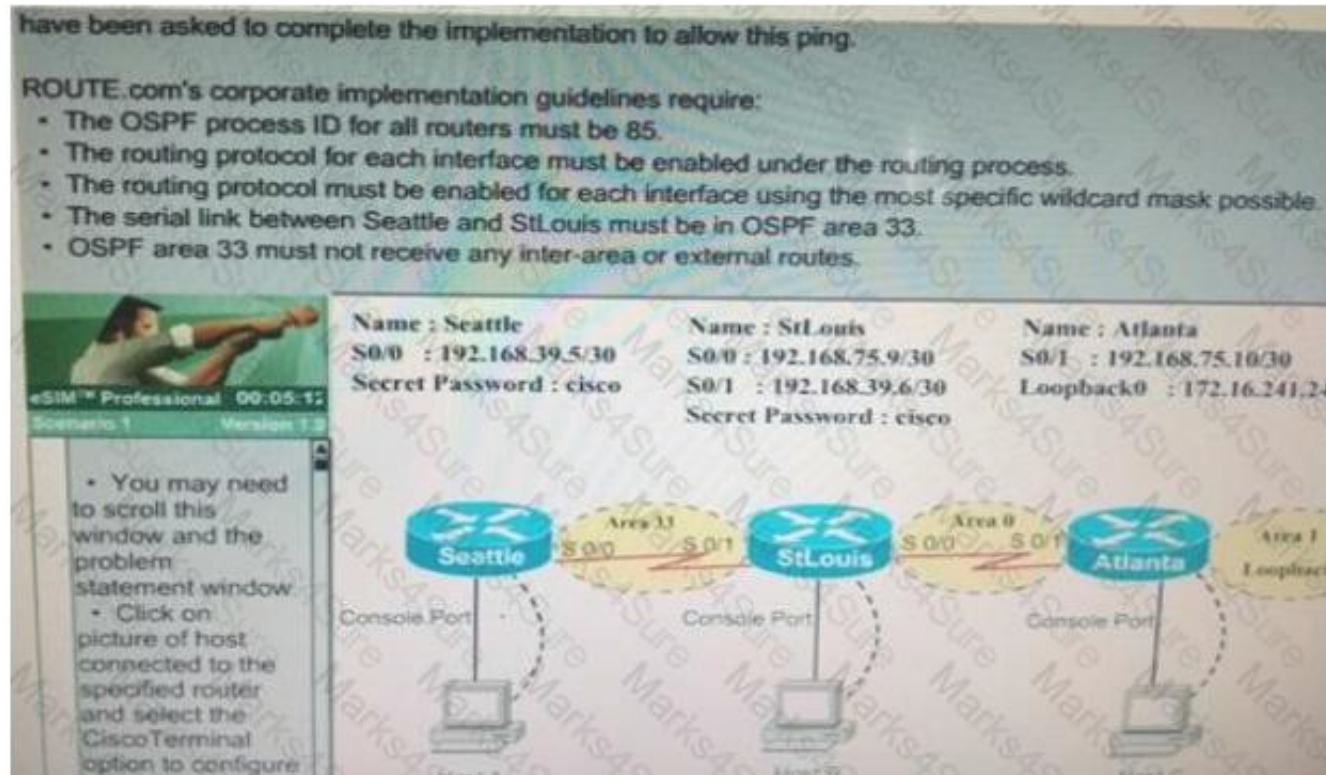
- A. replies
- B. requests
- C. updates
- D. queries

Answer: C

Explanation: <https://www.cisco.com/c/en/us/support/docs/ip/enhanced-interior-gateway-routingprotocol-eigrp/13669-1.html#C:\Users\wk\Desktop\mudassar\Untitled.jpg>

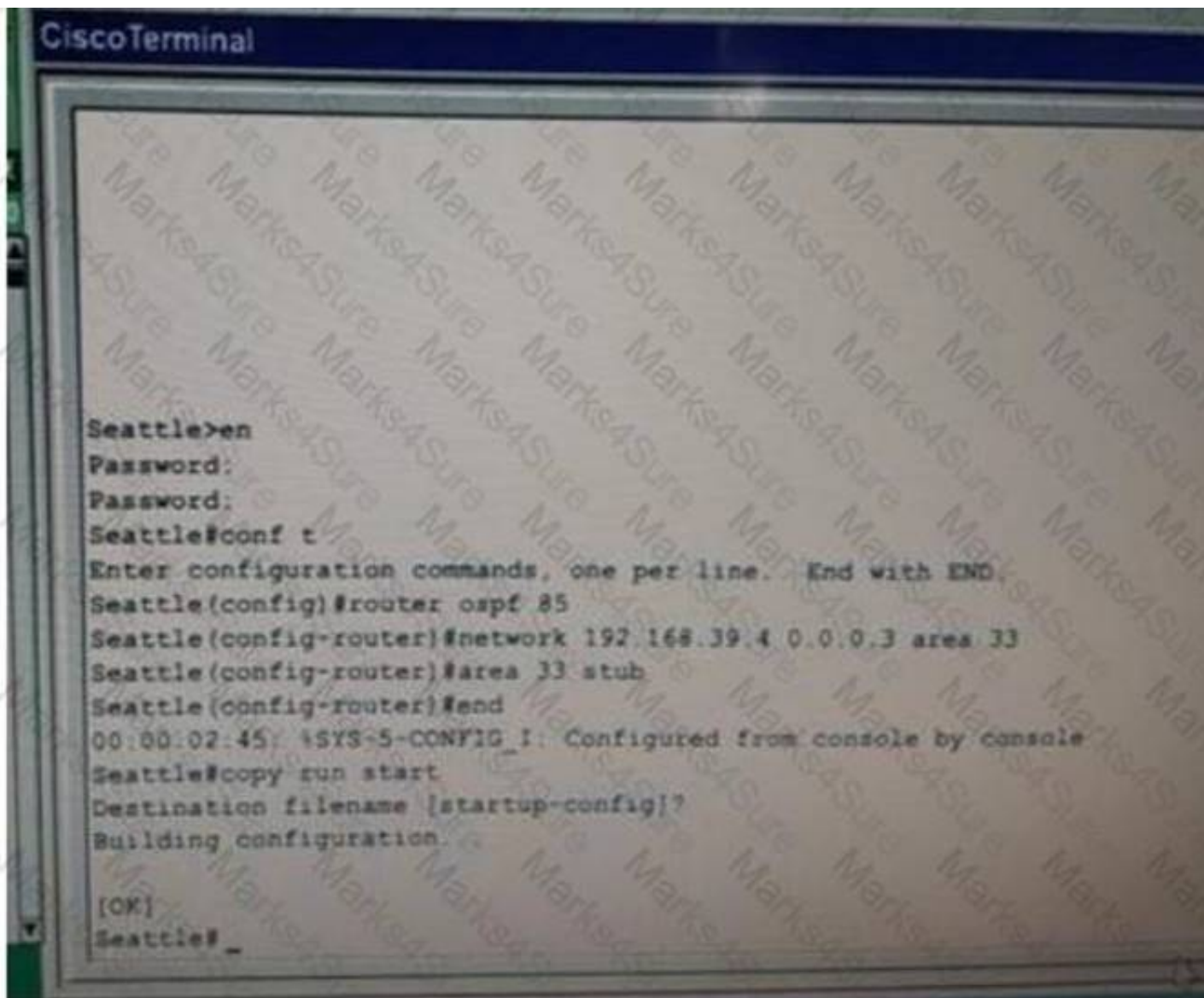
Updates are used to convey reachability of destinations. When a new neighbor is discovered, update packets are sent so the neighbor can build up its topology table. In this case, update packets are unicast. In other cases, such as a link cost change, updates are multicast. Updates are always transmitted reliably.

NEW QUESTION 83

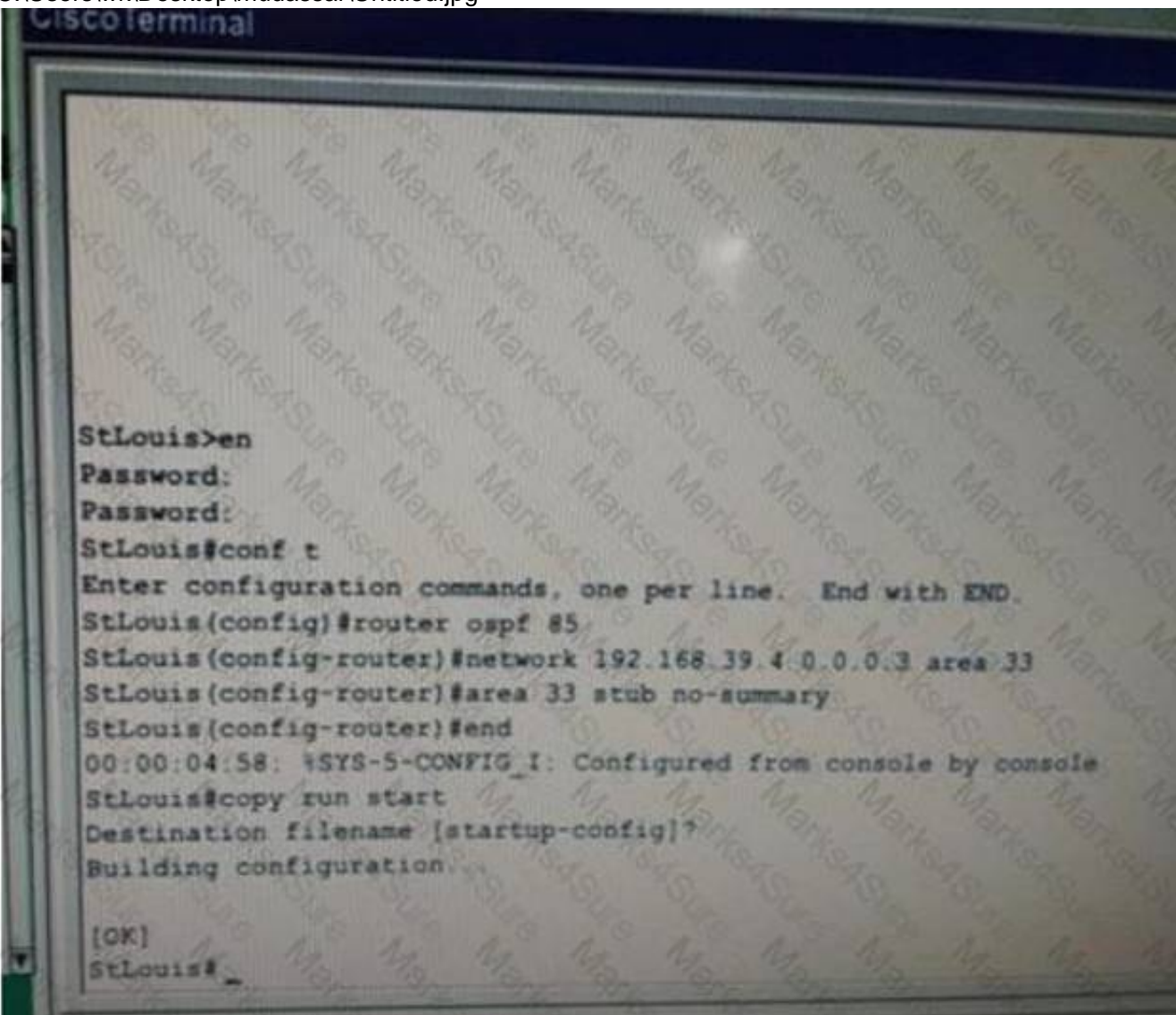


Answer:

Explanation: Below is detail answer given C:\Users\wk\Desktop\mudassar\Untitled.jpg



C:\Users\wk\Desktop\mudassar\Untitled.jpg



NEW QUESTION 84

A network engineer enables OSPF on a Frame Relay WAN connection to various remote sites, but no OSPF adjacencies come up. Which two actions are possible solutions for this issue? (Choose Two)

- A. Change the network type to point-to-multipoint under WAN interface.
- B. Enable virtual links.
- C. Change the network type to nonbroadcast multipoint access.
- D. Configure the neighbor command under OSPF process for each remote site.
- E. Ensure that the OSPF process number matches among all remote sites

Answer: AD

NEW QUESTION 86

What from the following can cause an issue for URPF? (this could be single answer or multiple choice) URPF FAIL
 Reasons why urpf may fail:

- A. Asymmetric routing
- B. Cef not enabled
- C. Urpf not applied to the traffic source
- D. If it is used as ingress filtering

Answer: A

NEW QUESTION 91

Which statement about the metric calculation in EIGRP is true?

- A. The maximum delay along the path is used
- B. The mean value of bandwidth between the source and destination is used
- C. The minimum bandwidth between the source and destination is used
- D. The minimum delay along the path is used

Answer: C

NEW QUESTION 96

The OSPF which type of Router CAN BE aggregated? (Choose two)

- A. the ABR
- B. the ASBR
- C. Backbone Router
- D. Intra Router

Answer: AB

NEW QUESTION 98

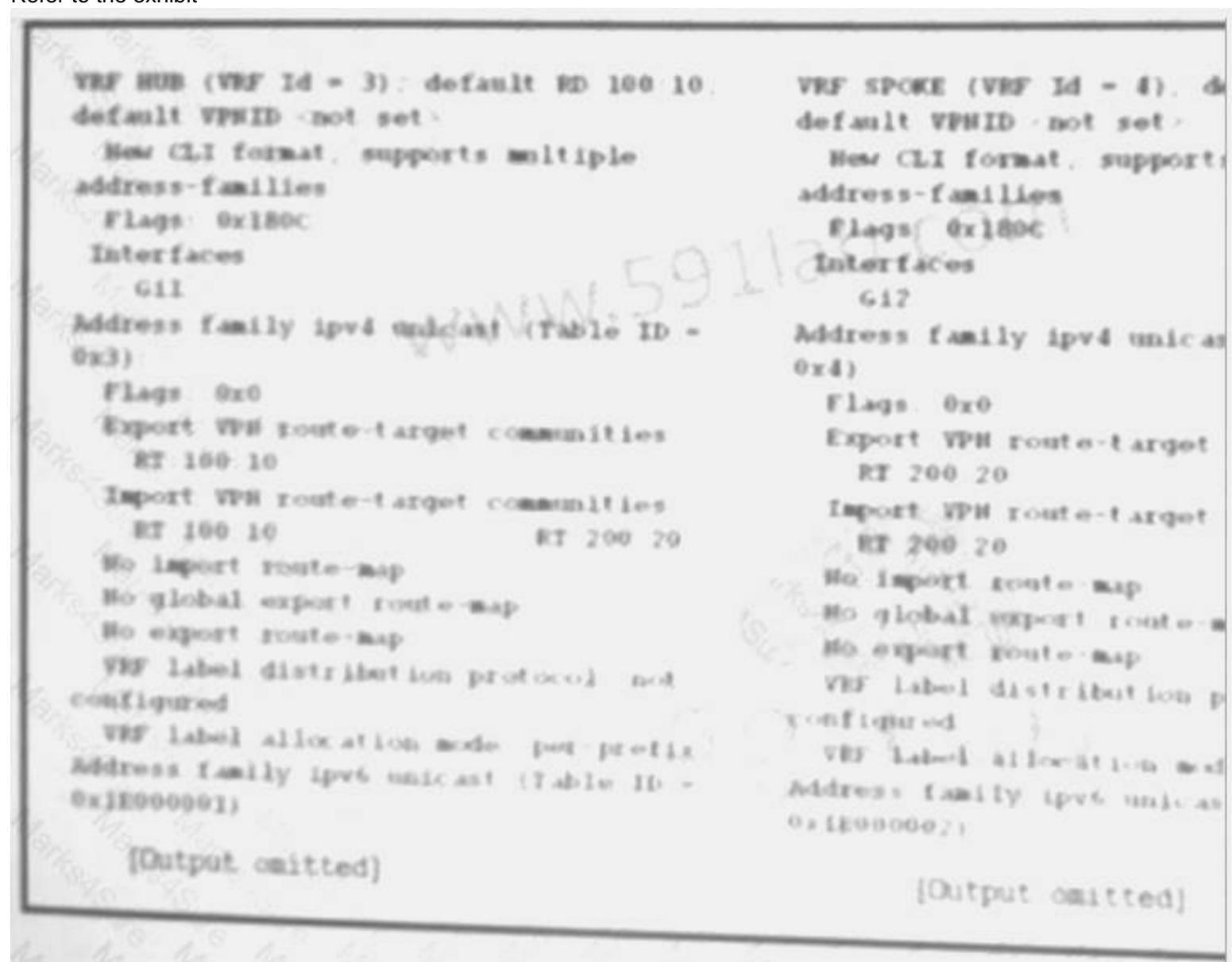
Where are EIGRP successor routes stored?

- A. In the routing table only
- B. In the neighbor table only
- C. In the topology table only
- D. In the routing table and the topology table
- E. In the routing table and the neighbor table

Answer: D

NEW QUESTION 102

Refer to the exhibit



A network engineer is modifying configurations for a customer that currently uses VPN connectivity between their sites. The customer has added a new spoke site but is does not have reachability to servers located at the hub Based on the output, which statement describes the cause?

- A. The interface of VRF HUB and VRF SPOKE do not match
- B. The HUB VRF is not exporting Route-Target 200:20
- C. The default VPNID is not set on VRF HUB or VRF SPOKE
- D. The SPOKE VRF is not importing Route-Target 100:10

Answer: D

NEW QUESTION 107

Which two addresses types are included in NAT?

- A. inside global
- B. global outside
- C. outside internet
- D. inside internet
- E. outside local

Answer: AE

NEW QUESTION 111

Which two statements are limitations of stateful NAT64? (Choose two)

- A. It supports DNS64 only
- B. Layer 4 supports TCP only
- C. It is unable to route VRF traffic
- D. It is unable to route multicast traffic
- E. It supports FTP traffic only with an ALG

Answer: CD

NEW QUESTION 112

Which OSPF network type uses a DR?

- A. Nonbroadcast multi-access
- B. point-to-point
- C. point-to-multipoint
- D. point-to-point nonbroadcast

Answer: A

Explanation: <https://learningnetwork.cisco.com/thread/35730>

NEW QUESTION 115

What happens when unicast flood protection is triggered on a VLAN?

- A. The VLAN is shut down
- B. Traffic on the VLAN is load-balanced across multiple links
- C. The VLAN is removed from the VLAN database
- D. Traffic on the VLAN is passed to another VLAN with lower load

Answer: A

NEW QUESTION 118

You need the IP address of the devices with which the router has established an adjacency. Also, the retransmit interval and the queue counts for the adjacent routers need to be checked. What command will display the required information?

- A. show ip eigrp adjacency
- B. show ip eigrp topology
- C. show ip eigrp interfaces
- D. show ip eigrp neighbor

Answer: D

NEW QUESTION 123

When does a Cisco router send an ICMP redirect?

- A. when the packet's source and destination VRFs are different
- B. when the packet is source-routed
- C. when the packet's destination has load-balanced entries in the route table
- D. when the packet's ingress and egress interfaces are the same

Answer: D

Explanation: C:\Users\wk\Desktop\mudassar\Untitled.jpg

When Are ICMP Redirects Sent?

Cisco routers send ICMP redirects when all of these conditions are met:

- The interface on which the packet comes into the router is the same interface on which the packet gets routed out.
- The subnet or network of the source IP address is on the same subnet or network of the next-hop IP address of the routed packet.
- The datagram is not source-routed.
- The kernel is configured to send redirects. (By default, Cisco routers send ICMP redirects. The interface subcommand `no ip redirects` can be used to disable ICMP redirects.)

NEW QUESTION 124

Which statement is true about EBGp?

- A. An internal routing protocol can be used to reach an EBGp neighbor.
- B. The next hop does not change when BGP updates are exchanged between EBGp neighbors.
- C. A static route can be used to form an adjacency between neighbors.
- D. EBGp requires a full mesh.

Answer: C

NEW QUESTION 129

Which set of actions does a network engineer perform to set the IPv6 address of a DHCP relay server at the VLAN interface level?

- A. Enter the global configuration mode, enable IPv6 DHCP relay from interface confi; mode, and define the IPv6 address of a DHCP relay server.
- B. Enter the global configuration mode and enable the IPv6 DHCP relay
- C. Enter the VLAN interface configuration mode, enable IPv6 DHCP relay, and define the IPv6 address of a DHCP relay server
- D. Enter the VLAN interface configuration mode and define the IPv6 address of a DHCP relay server.

Answer: C

NEW QUESTION 133

Which two statements about GRE tunnel interfaces are true? (Choose two)

- A. To establish a tunnel the source interface must be in the up/up state.
- B. To establish a tunnel the source interface must be a Loopback.
- C. A tunnel destination must be a physical interface that is in the up state.
- D. A tunnel destination must be routable but can be unreachable.
- E. A tunnel can be established when the source interface is in the up/down state.

Answer: CD

NEW QUESTION 137

—options were little bit modified

Which of the following are characteristics of TACACS+? (Choose two.)

- A. Uses UDP
- B. Encrypts an entire packet
- C. Offers robust accounting
- D. Cisco-proprietary

Answer: BD

NEW QUESTION 141

Where the output will be shown of the command `debug condition interface fa0/1` ?

- A. it will show on interface fa0/1
- B. it will show on interface fa0/0
- C. both interfaces will show debugging output
- D. an interface cannot be used as condition

Answer: A

NEW QUESTION 142

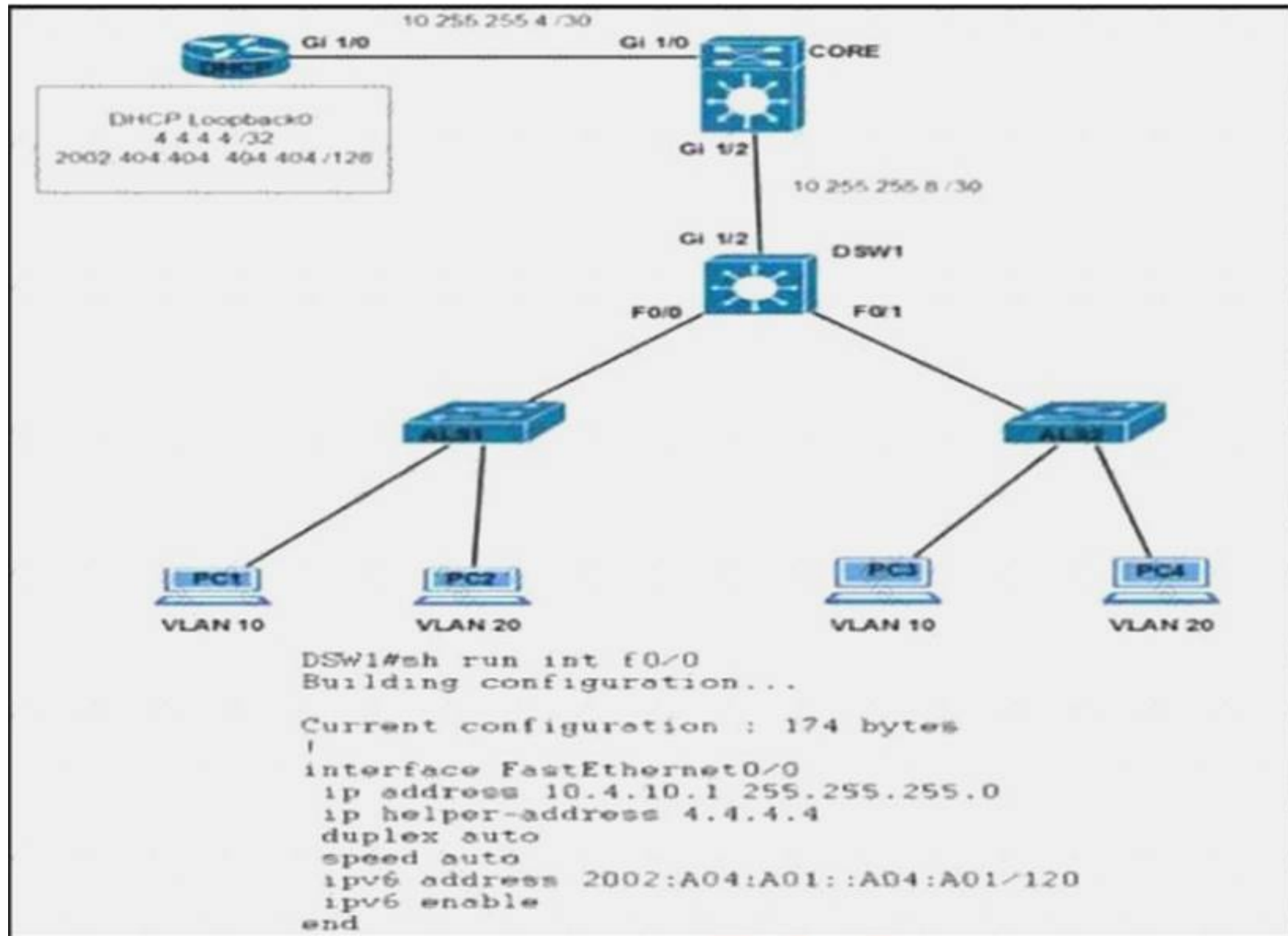
Which two steps must you perform to allow access to a device when the connection to a remote TACACS+ authentication server fails? (Choose two)

- A. include the local keyword in the AAA configuration
- B. Configure accounting to reference the log of previously authenticated connections
- C. Configure the device to accept Telnet and SSH connections.
- D. Remove the aaa new model command from the global configuration
- E. Configure a local username and password on the device

Answer: BE

NEW QUESTION 146

Refer to the exhibit.



Router DHCP is configured to lease IPv4 and IPv6 addresses to clients on ALS1 and ALS2. Clients on ALS2 receive IPv4 and IPv6 addresses Clients on ALS1 receive IPv4 addresses. Which configuration on DSW1 allows clients on ALS1 to receive IPv6 addresses'?

- A. DSW1(config-if)>ipv6 dhcp relay destination 2002:404:404::404:404 GigabitEthernet1/2
- B. DSW1(configFip6 route 2002:404:404: 404:404/128 FastEthemet1/0
- C. DSWKconfKj K)cipv6 helper address 2002:404:404:404:404
- D. DSW1 uihrp-condg^default-router 2002:A04:A01:A04:A01

Answer: D

NEW QUESTION 149

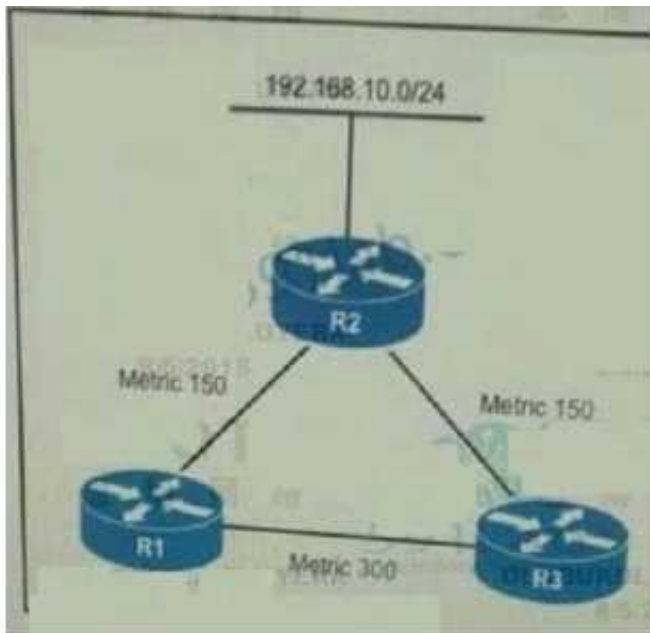
Which two statements are differences between AAA with TACACS+ and AAA with RADIUS? (Choose two)

- A. Only RADIUS uses TCP
- B. Unlike TACACS+, RADIUS sends packets with only the password encrypted
- C. Unlike TACACS+, RADIUS supports accounting and authorization only
- D. Only TACACS+ uses TCP
- E. Only TACACS+ combines authentication and authorization

Answer: BD

NEW QUESTION 151

Refer to the exhibit.



You want router R1 to perform unequal-cost routing to the 192.168.10.0/24 network. What is the smallest EIGRP variance value that you can configure on R1 to achieve this result?

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

Answer: A

NEW QUESTION 153

Refer to the exhibit.

```
router eigrp 1
 redistribute ospf 5 match external route-map OSPF-TO-EIGRP
 metric 10000 2000 255 1 1500
 route-map OSPF-TO-EIGRP
 match ip address TO-OSPF
```

Which routes from OSPF process 5 are redistributed into EIGRP?

- A. E1 and E2 subnets matching access list TO-OSPF
- B. E1 and E2 subnets matching prefix list TO-OSPF
- C. only E2 subnets matching access list TO-OSPF
- D. only E1 subnets matching prefix list TO-OS1

Answer: D

NEW QUESTION 156

Which task must you perform to implement EIGRP for IPv6 on a device?

- A. Use the ipv6 cef command to enable Cisco Express Forwarding on the device.
- B. Configure a loopback interface on the device.
- C. Manually configure the router ID
- D. Statically configure a neighbor

Answer: C

NEW QUESTION 160

A network engineer wants to implement an SNMP process for host machines using the strongest security available which command accomplishes this task?

- A. router(config)#snmp-server-host 172-16-200.225 traps v3
- B. router(config)#snmp-server-host 172-16-200.225 traps v2c auth
- C. router(config)#snmp-server-host 172-16-200.225 traps v1
- D. router(config)#snmp-server-host 172-16-200.225 traps v2c

Answer: A

NEW QUESTION 163

Which configuration can you apply to a device so that it always blocks outbound web traffic on Saturdays and Sundays between the hours of 1:00 AM and 11:59 PM?

- A. time-range SATSUN periodic Saturday Sunday 1:00 to 23:59 access-list 102 permit udp any any eq 80 time-range SATSUN access-list 102 permit tcp any any eq 443 time-range SATSUN interface Vlan303ip address 10.9.5.3 255.255.255.0 ip access-group 102 out
- B. time-range SATSUN periodic Saturday Sunday 1:00 to 23:59 access-list 102 permit tcp any any eq 80 time-range SATSUN access-list 102 permit tcp any any eq 443 time-range SATSUN interface Vlan303ip address 10.9.5.3 255.255.255.0 ip access-group 102 in
- C. time-range SATSUN periodic Saturday Sunday 1:00 to 11:59 access-list 102 permit tcp any any eq 80 time-range SATSUN access-list 102 permit tcp any any eq 443 time-range SATSUN interface Vlan303ip address 10.9.5.3 255.255.255.0 ip access-group 102 in

D. time-range SATSUN absolute Saturday Sunday 1:00 to 23:59 access-list 102 permit tcp any any eq 80 time-range SATSUN access-list 102 permit tcp any any eq 443 time-range SATSUN interface Vlan303ip address 10.9.5.3 255.255.255.0 ip access-group 102 in

Answer: B

NEW QUESTION 166

What are two important differences between OSPFv2 and OSPFv3? (Choose two.)

- A. Only OSPFv3 provides support for IPv6.
- B. Only OSPFv3 automatically chooses a router ID for the local device.
- C. Only OSPFv3 supports multiple OSPF instances on a single link.
- D. Only OSPFv3 automatically enables interfaces when you create them in device configuration mode.
- E. Only OSPFv3 automatically detects OSPF neighbors on an NBMA interface.

Answer: AC

NEW QUESTION 168

How big is the smallest packet than will always be fragmented on a standart Ethernet network with default configuration?

- A. 1500 bytes
- B. 1800 bytes
- C. 2048 bytes
- D. 2100 bytes

Answer: B

NEW QUESTION 173

A network engineer executes the commands logging host 172.16.200.225 and logging trap 5 Which action results when these two commands are executed together?

- A. Logging messages that have any severity level are sent to the remote server 172.16.200.225
- B. Logging messages that have a severity level of "notifications" and above (warning and above) are sent to the remote server 172.16.200.225
- C. Logged information is stored locally, showing the source as 172.16.200.225
- D. Logging messages that have a debugging severity level are sent to the remote server 172.16.200.225

Answer: B

NEW QUESTION 176

During which DMVPN phase is spoke to-spoke communication enabled?

- A. Phase 4
- B. Phase 1
- C. Phase 2
- D. Phase 5

Answer: C

NEW QUESTION 177

You get a call from a network administrator who tells you that he typed the following into his router: Router(config)#router ospf 1
Router(config-router)#network 10.0.0.0 255.0.0.0 area 0
He tells you he still can't see any routes in the routing table. What configuration error did the administrator make?

- A. The wildcard mask is incorrect
- B. The OSPF area is wrong
- C. The OSPF process ID is incorrect
- D. The AS configuration is wrong

Answer: A

NEW QUESTION 182

What is the viable successor of NAT_PT?

- A. NAT64
- B. Pv6
- C. NATv6
- D. DHCPv6

Answer: A

NEW QUESTION 184

Refer to the exhibit.
interface gigabitethernet 2/0/0 vnet trunk
ip address 192.168.1.1 255.255.255.0
vnet name cisco
Which effect of this configuration is true?

- A. It designates the interface as a GRE tunnel endpoint
- B. It configures 802.1q trunking on the interface
- C. It designates the interface as an EVN trunk
- D. It removes VTP from the interface

Answer: C

NEW QUESTION 185

Other than a working EIGRP configuration which component must be the same on all routers for EIGRP authentication key rollover to work correctly?

- A. time
- B. SNMP
- C. passwords
- D. SMTP

Answer: A

NEW QUESTION 190

Which two tasks does a DHCP relay agent perform?(Choose two)

- A. It forwards DHCPOFFER and DHCPCOMPLETE messages to the DHCP client.
- B. It forwards DHCPDISCOVER and DHCPREQUEST messages to the DHCP server
- C. It forwards DHCPHELLO and DHCPREQUEST messages to the DHCP server.
- D. It forwards DHCPREQUEST and DHCPACK messages to the DHCP server!
- E. It forwards DHCPOFFER and DHCPACK messages to the DHCP client.

Answer: BE

NEW QUESTION 191

Question on PPPoE ? (Choose Two)

- A. A PADI (PPPoE Active Discovery Initiation) broadcast signal is sent by the host to the remote devices
- B. A PADR (PPPoE Active Discovery Request) unicast signal is sent to confirm the remote device
- C. (Confirmation done on PADS)
- D. A PADR (PPPoE Active Discovery Request) broadcast signal is sent by the host to the remote device.
- E. A PADO (PPPoE Active Discovery Offer) signal is sent by the remote device back to the host.
- F. A PADT (PPPoE Active Discovery Terminate) signal

Answer: AD

NEW QUESTION 195

Which IOS commands can you use to limit the CPU impact of log generation and transmission on an IOS router?

- A. You can use the ip access-list logging interval command in conjunction with the logging rate-limit command
- B. You can use the ip access-list logging limit command in conjunction with the logging rate-interval command
- C. You can use the ip access-list syslog-logging interval command in conjunction with the loggingrate-limit command
- D. You can use the ip access-list logged interval command in conjunction with the logging rate-limit command

Answer: A

NEW QUESTION 200

Which Cisco Express Forwarding component maintains the Layer 2 next-hop addresses that are used for hardware switching?

- A. FIB
- B. RIB
- C. adjacency table
- D. ARP table

Answer: C

NEW QUESTION 203

Which LAN feature enables a default gateway to inform its end devices when a better path to a destination is available?

- A. HSRP
- B. proxy ARP
- C. ICMP redirects
- D. ICMP unreachable

Answer: C

NEW QUESTION 204

Which three benefits does the Cisco Easy Virtual Network provide to an enterprise network? (Choose three)

- A. simplified Layer 3 network virtualization
- B. improved shared services support

- C. enhanced management, troubleshooting, and usability
- D. reduced configuration and deployment time for dot1q trunking
- E. increased network performance and throughput
- F. decreased BGP neighbor configurations

Answer: ABC

NEW QUESTION 208

Which three methods can a network engineer used to fix a metric-based routing loop in the network?(choose three)

- A. Filter routes manually using prefix lists
- B. Implement proper network summarization on key routing points
- C. Utilize route database filters
- D. Filter routes based on tags
- E. Implement offset lists at network boundaries
- F. Filter routes manually using distribute lists

Answer: DEF

NEW QUESTION 213

Refer to the exhibit.

```
ip sla 100
icmp-echo 10.0.0.1 source-ip 10.0.0.2
frequency 30
ip sla schedule 100 life forever start-time now
!
track 1 ip sla 100 reachability
!
ip route 0.0.0.0 0.0.0.0 10.0.0.1 track 1
ip route 0.0.0.0 0.0.0.0 192.168.0.1 2
```

Which statement describes the effect of this configuration on a Cisco router'?

- A. The default route through 10 0 0 1 is never used
- B. The default route through 192 168 0 1 is used only when 10 0 0 1 is unreachable
- C. The default route through 192 168 0.1 is never used
- D. The default route through 10 0 0 1 is used only when 192 168 0 1 is unreachable

Answer: D

NEW QUESTION 216

Which access list entry check for an ACK within a packet TCP header?

- A. access-list 49 permit tcp any any eq 21 established
- B. access-list 49 permit tcp any any eq 21 tcp-ack
- C. cess-list 149 permit tcp any any eq 21 established
- D. access-list 49 permit ip any any eq 21 tcp-ack

Answer: C

NEW QUESTION 219

Drag and drop the IPv6 NAT characteristic from the left onto the correct IPv6 NAT category on the right.

supports IPv6 prefix 64:ff9b::/96

network-specific stateful NAT64 prefix

IPv6 prefix assigned by an organization

NAT64

supports application layer gateway

NPTv6

translates 2001:1::/64 to 2001:2::/64

well-known stateful NAT64 prefix

Answer:

Explanation:

supports IPv6 prefix 64:ff9b::/96	translates 2001:1::/64 to 2001:2::/64
IPv6 prefix assigned by an organization	supports IPv6 prefix 64:ff9b::/96
supports application layer gateway	IPv6 prefix assigned by an organization
translates 2001:1::/64 to 2001:2::/64	supports application layer gateway

NEW QUESTION 222

What is the minimum log level for the event generated when an ACL drops a packet?

- A. 3
- B. 4
- C. 5
- D. 6
- E. 7

Answer: D

NEW QUESTION 226

What percent of R1 interfaces bandwidth is ERIGRP allowed to use?

- A. 10
- B. 20
- C. 30
- D. 40

Answer: B

NEW QUESTION 230

Which feature can mitigate fragmentation issues within network segments that are between GRE endpoints?

- A. TCP Flow Control
- B. ICMP DF bit
- C. TCP MSS
- D. PMTU

Answer: D

NEW QUESTION 232

Which adverse circumstance can the TTL feature prevent?

- A. routing loops
- B. DoS attacks
- C. link saturation
- D. CAM table overload

Answer: B

Explanation: <https://www.cisco.com/c/en/us/about/security-center/protecting-border-gatewayprotocol.html> C:\Users\wk\Desktop\mudassar\Untitled.jpg

Overview

Another BGP attack scenario that is listed at the beginning of this document is a Denial of Service (DoS) attack against the BGP process. The BGP Time To Live (TTL) security check is designed to protect the BGP process from these kinds of CPU-utilization-based attacks and route manipulation attempts. The BGP protocol must be examined in greater detail to understand how this protection technique works.

NEW QUESTION 235

A Network engineer wants a NTP Client to be able to update the local system without updating or synchronizing with the remote system. Which keyboard for the ntp access-grup command is needed to accomplish this?

- A. server
- B. peer
- C. query-only
- D. server-only

Answer: A

NEW QUESTION 239

A network engineer wants to implement an SNMP notification process for host machines using the strongest security available Which command accomplishes this task?

- A. router(config)#snmp-server host 172 16 200 225 traps v2c auth
- B. router(config)#snmp-server host 172 16 200 225 traps v1
- C. router(config)#snmp-server host 172 16 200.225 traps v3
- D. router(config)#snmp-server host 172 16 200 225 traps v2c

Answer: C

NEW QUESTION 244

Which two statements about the OSPF down bit are true? (Choose two)

- A. It is set only for LSA types 3,5. and 7
- B. It is set only for LSA types 1, 2 and 4
- C. It is set only when an OSPF virtual link is created
- D. It is set when MP-BGP routes are redistributed into OSPF
- E. It is set when OSPF routes are redistributed into BGP

Answer: AD

NEW QUESTION 246

Drag and drop the statement from the left onto the correct IPv6 router security features on the right.

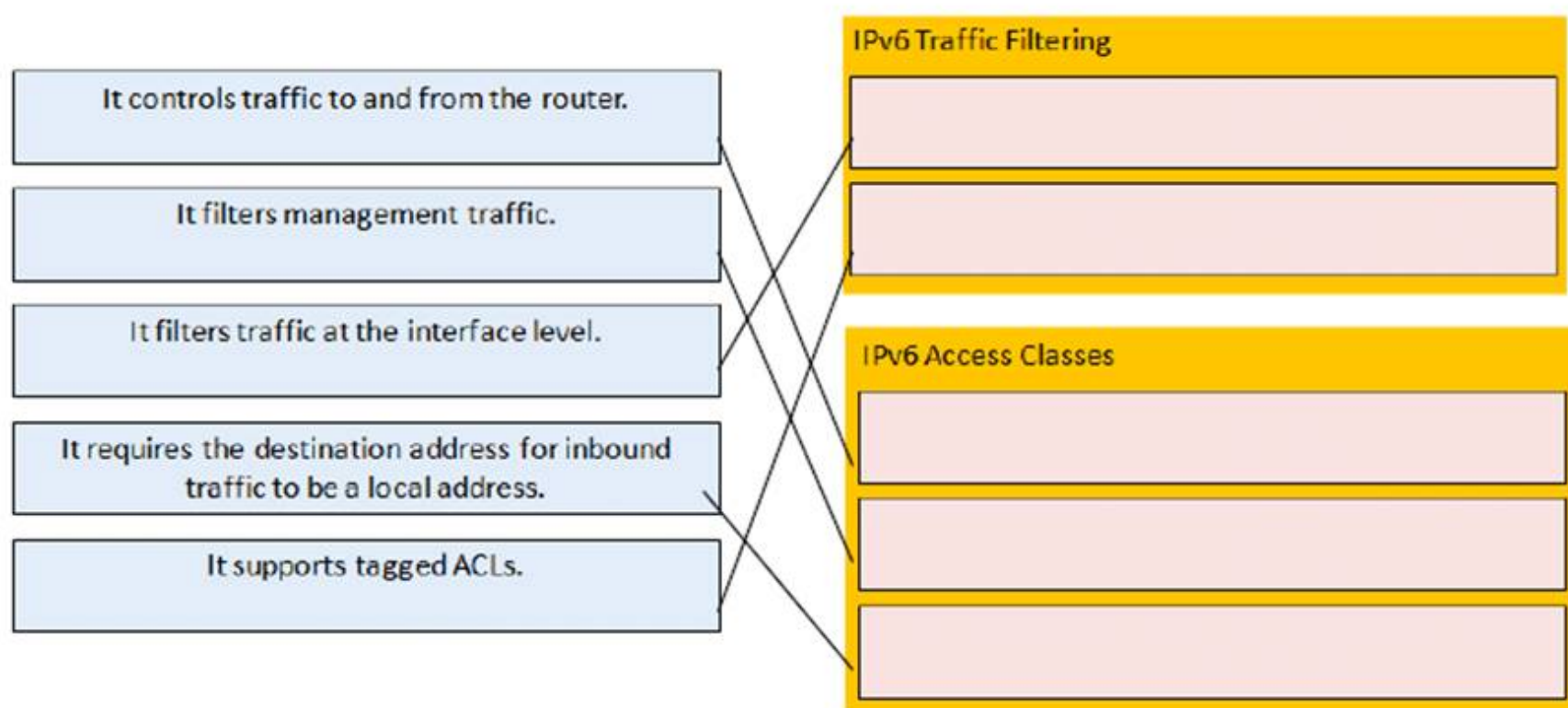
It controls traffic to and from the router.
It filters management traffic.
It filters traffic at the interface level.
It requires the destination address for inbound traffic to be a local address.
It supports tagged ACLs.

IPv6 Traffic Filtering

IPv6 Access Classes

Answer:

Explanation:



NEW QUESTION 250

Refer to the exhibit.

```
access-list 1 permit 172.16.1.0.0.0.255
ip nat inside source list 1 interface gigabitethernet0/0 overload
```

You have correctly identified the inside and outside interfaces in the NAT configuration of this device. Which effect of the configuration is true?

- A. static NAT
- B. dynamic NAT
- C. PAT
- D. NAT64

Answer: C

NEW QUESTION 251

which the Valid range for BGP private ASNs?

- A. 64512-65535
- B. 62464-65534
- C. 64512-65024
- D. 62464-64511

Answer: A

NEW QUESTION 253

Which command instructs a PPPoE client to obtain its IP address from the PPPoE server?

- A. IP address negotiated
- B. IP address DHCP
- C. IP address dynamic
- D. IP address auto negotiate

Answer: A

NEW QUESTION 255

Which two types of threshold can you configure for tracking objects? (Choose two.)

- A. weight
- B. MTU
- C. percentage
- D. bandwidth
- E. delay
- F. administrative distance

Answer: AC

NEW QUESTION 256

Which feature mitigates fragmentation issues caused by endpoint hosts?

- A. MSS HMTU
- B. ICMP
- C. ICMP DF bit
- D. TCP How Control

Answer: B

NEW QUESTION 261

Which command sequence can you enter on a router to configure Unicast Reverse Path Forwarding in loose mode?

- A. interface GigabitEthernet0/0 ip verify unicast source reachable-via loose
- B. interface GigabitEthernet0/0 ip verify unicast source reachable-via all
- C. interface GigabitEthernet0/0 ip verify unicast source reachable-via any
- D. interface GigabitEthernet0/0 ip verify unicast source reachable-via rx

Answer: C

NEW QUESTION 262

Which option is the best for protecting CPU utilization on a device?

- A. fragmentation
- B. COPP
- C. ICMP redirects
- D. ICMPUnreachabl messages

Answer: B

NEW QUESTION 264

Which statement about dynamic NAT is true?

- A. It maps inside addresses to different port numbers.
- B. It creates a one-to-one mapping of inside addresses to a global address.
- C. It uses the overload command to map addresses.
- D. It maps inside addresses to a pool of global addresses.

Answer: D

NEW QUESTION 268

What is the role of a route distinguisher in a VRF-Lite setup implementation?

- A. It extends the IP address to identify which VRF instance it belongs to.
- B. It manages the import and export of routes between two or more VRF instances
- C. It enables multicast distribution for VRF-Lite setups to enhance EGP routing protocol capabilities
- D. It enables multicast distribution for VRF-Lite setups to enhance IGP routing protocol Capabilities

Answer: A

NEW QUESTION 272

What is the maximum number of hops on a route that RIPng advertises as reachable?

- A. 15
- B. 30
- C. 99
- D. 255

Answer: A

Explanation: <https://quizlet.com/166800413/ccnp-ripng-flash-cards/>

NEW QUESTION 277

A route with default RIPv2 settings loses connectivity to it's next-hop neighbor. How long dows the router wait before removing the route to the next hop from its route table?

- A. 30 seconds
- B. 60 seconds
- C. 180 seconds
- D. 240 seconds

Answer: D

NEW QUESTION 280

When a new PC is connected to the network, which step must it take first to receive a DHCP address?

- A. It sends a DHCPHELLO message to the DHCP server IP address.

- B. It sends a DHCPREQUEST message to the DHCP server IP address.
- C. It sends a DHCPREQUEST message to 255.255.255.255.
- D. It sends a DHCPDISCOVER message to 255.255.255.255.

Answer: D

NEW QUESTION 285

Refer in the exhibit. A packet capture indicates that the router is not forwarding the DHCP packets that it receives on interface FastEthernet0/0. Which command needs to be entered in global configuration mode to resolve this issue?

- A. ip DHCP relay
- B. ip helper
- C. ip forward-protocol
- D. service DHCP

Answer: C

NEW QUESTION 288

Which statement about IP SLA feature is true?

- A. It ensures that there are appropriate levels of service for network applications
- B. It classifies various traffic types by examining information within Layers 3 through 7
- C. It measures how the network treats traffic for specific applications by generating traffic that bears similar characteristics to application traffic.
- D. It keeps track of the number of packets and bytes that are observed in each flow by storing information in a cache flow

Answer: A

NEW QUESTION 290

Which task must you perform to enable point-to-point frame relay connection?

- A. Disable inverse ARP
- B. Configure the encapsulation type
- C. Enable inverse ARP
- D. Configure static address mapping

Answer: D

NEW QUESTION 293

A network engineer is enabling RIPv6 on a new customer link. Under which configuration mode is RIPv6 enabled?

- A. Global
- B. Router
- C. Interface
- D. IPv6

Answer: A

NEW QUESTION 295

Which option is one way to mitigate symmetric routing on an active/active firewall setup for TCP based connections?

- A. performing packet captures
- B. disabling asr-group commands on interfaces that are likely to receive asymmetric traffic
- C. replacing them with redundant routers and allowing load balancing
- D. disabling stateful TCP checks

Answer: D

NEW QUESTION 299

Which command creates a manual summary on an interface when using EIGRP?

- A. ip summary-address 100 172.32.0.0 255.255.254.0
- B. ip summary-address eigrp 100 172.32.0.0 255.255.254.0
- C. summary-address eigrp 100 172.32.0.0 255.255.254.0
- D. area 100 range 172.32.0.0 255.255.254.0

Answer: B

NEW QUESTION 302

how route tags can be set (choose two)

- A. only with route-maps
- B. only with taglists
- C. can be set with route-maps
- D. can be set with taglist.
- E. only used on link state RPs.

Answer: CD

NEW QUESTION 304

Which two effects of symmetric routing are true? (Choose two)

- A. unicast flooding
- B. uRPF failure
- C. errdisabling of ports
- D. port security violations
- E. excessive STP reconvergence

Answer: AB

NEW QUESTION 305

Which statement about stateless and tasteful IPv6 auto configuration is true?

- A. Both stateless and stateful configuration require additional setup.
- B. Stateless autofiguration requires no additional setup whereas stateful autoconnguration requires additional setup
- C. Stateless autoconftguraton requires additional setup whereas stateful autoconfiguration requires noadditional setup.
- D. Both stateless and stateful autoconfiguration require no additional setup.

Answer: D

NEW QUESTION 309

Which calculation is used to determine the default EIGRP metric?

- A. bandwidth - delay
- B. bandwidth ÷ delay
- C. bandwidth * delay
- D. bandwidth/Delay

Answer: D

NEW QUESTION 311

Which SNMP version provides both encryption and authentication?

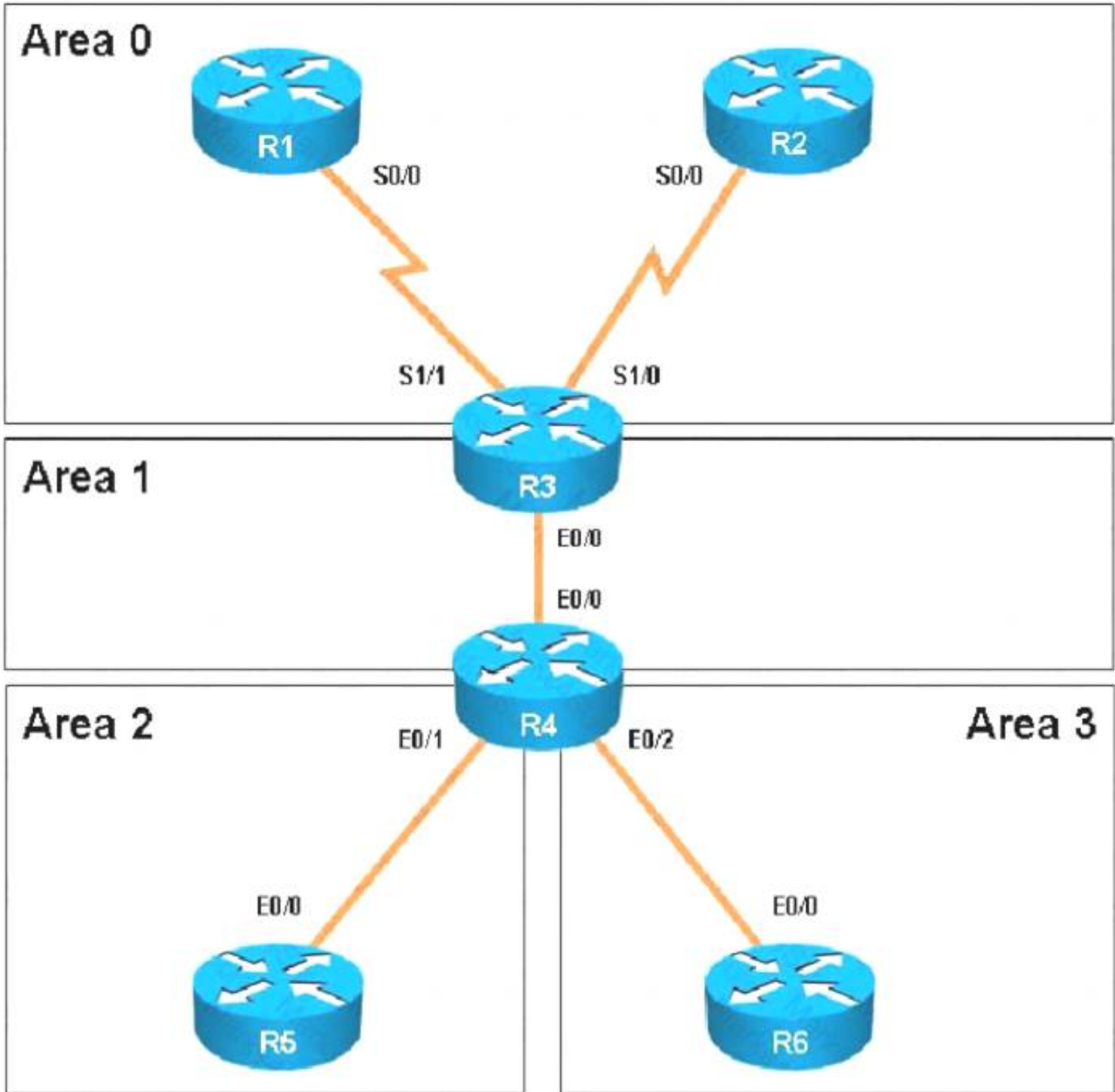
- A. SNMPv4
- B. SNMPv2c
- C. SNMPv3
- D. SNMPv1

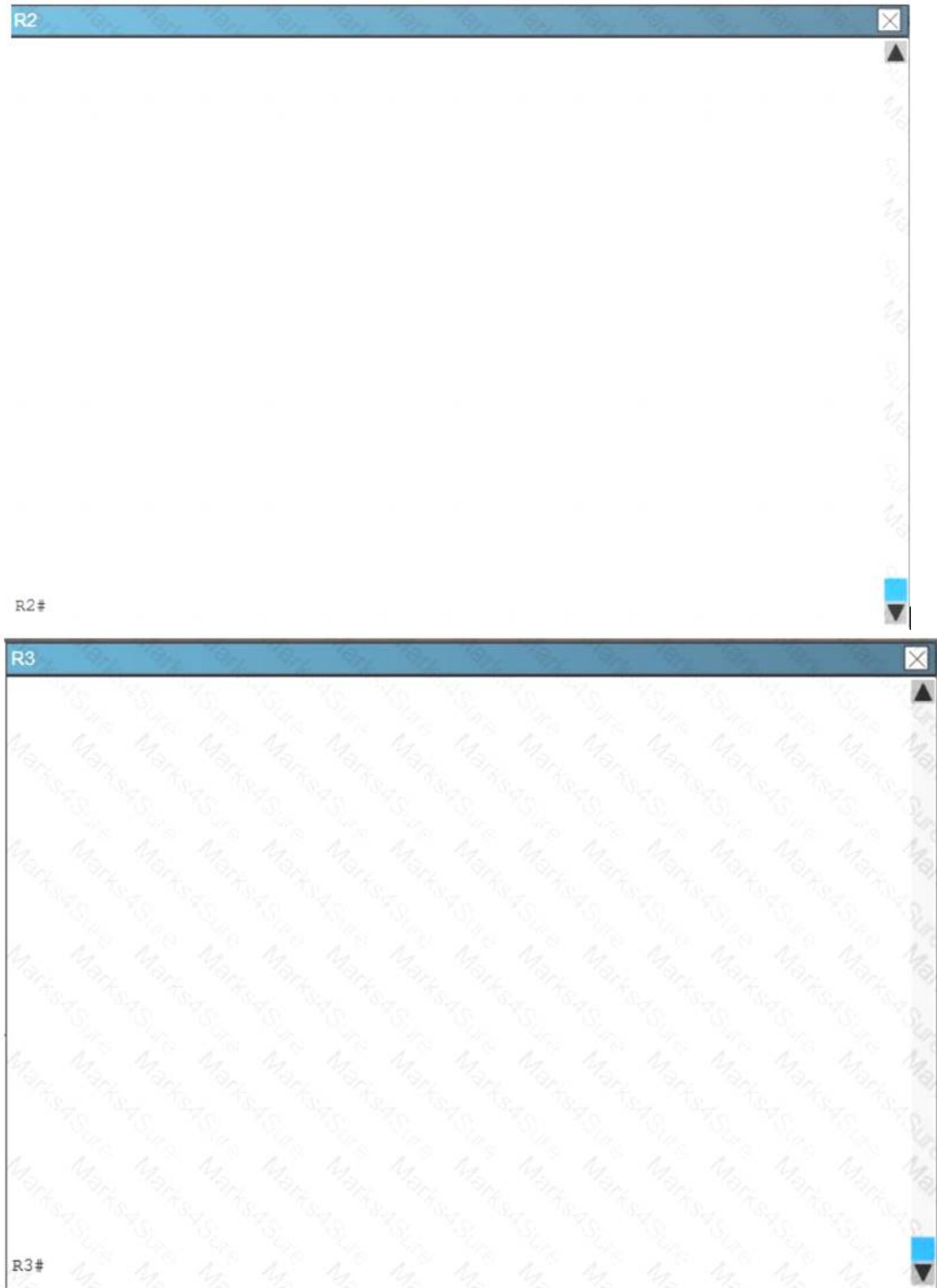
Answer: C

NEW QUESTION 313

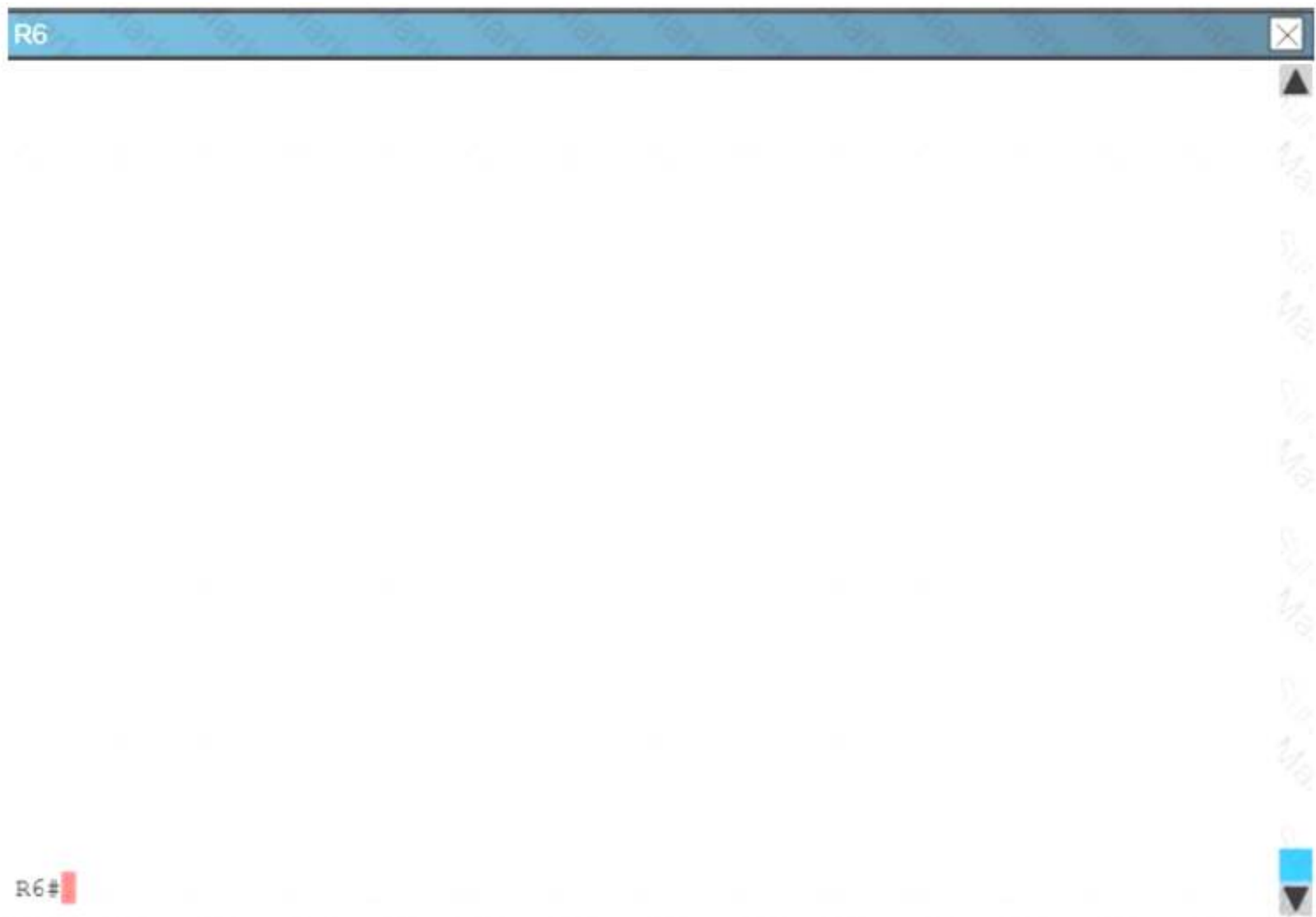
Scenario:

You have been asked to evaluate an OSPF network setup in a test lab and to answer questions a customer has about its operation. The customer has disabled your access to the show running-config command.





This image shows a blank white page from a software application. At the top, there is a solid blue horizontal header bar. On the left side of this bar, the text "R5" is displayed in white. On the right side of the bar, there is a small white square icon with a black "X" inside, typically used as a window close button. To the right of the main white area, a vertical scrollbar is visible, consisting of a grey track and a blue slider. The page itself is entirely empty except for these interface elements.



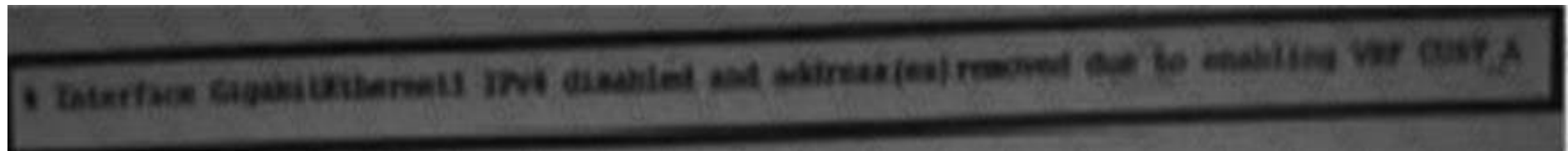
How many times was SPF algorithm executed on R4 for Area 1?

- A. 1
- B. 5
- C. 9
- D. 20
- E. 54
- F. 224

Answer: C

NEW QUESTION 314

Refer to the exhibit.



% Interface GigabitEthernet1 IPv4 disabled and address(es) removed due to enabling VRF CUST_A

an engineer is enabling VPN services for a customer and noticed the output when placing the customer facing interfaces into a VRF which action connects the issue?

- A. Reset interface Gigabit Ethernet 1.
- B. Disable the VRF CUST_A
- C. Reconfigure the IP address on Gigabit Ethernet 1.
- D. Enabling IPv6 on the interface

Answer: C

NEW QUESTION 315

Which two features does RADIUS combine?(Choose two)

- A. authorization
- B. authenticate
- C. ssh
- D. accounting
- E. Telnet

Answer: AB

NEW QUESTION 320

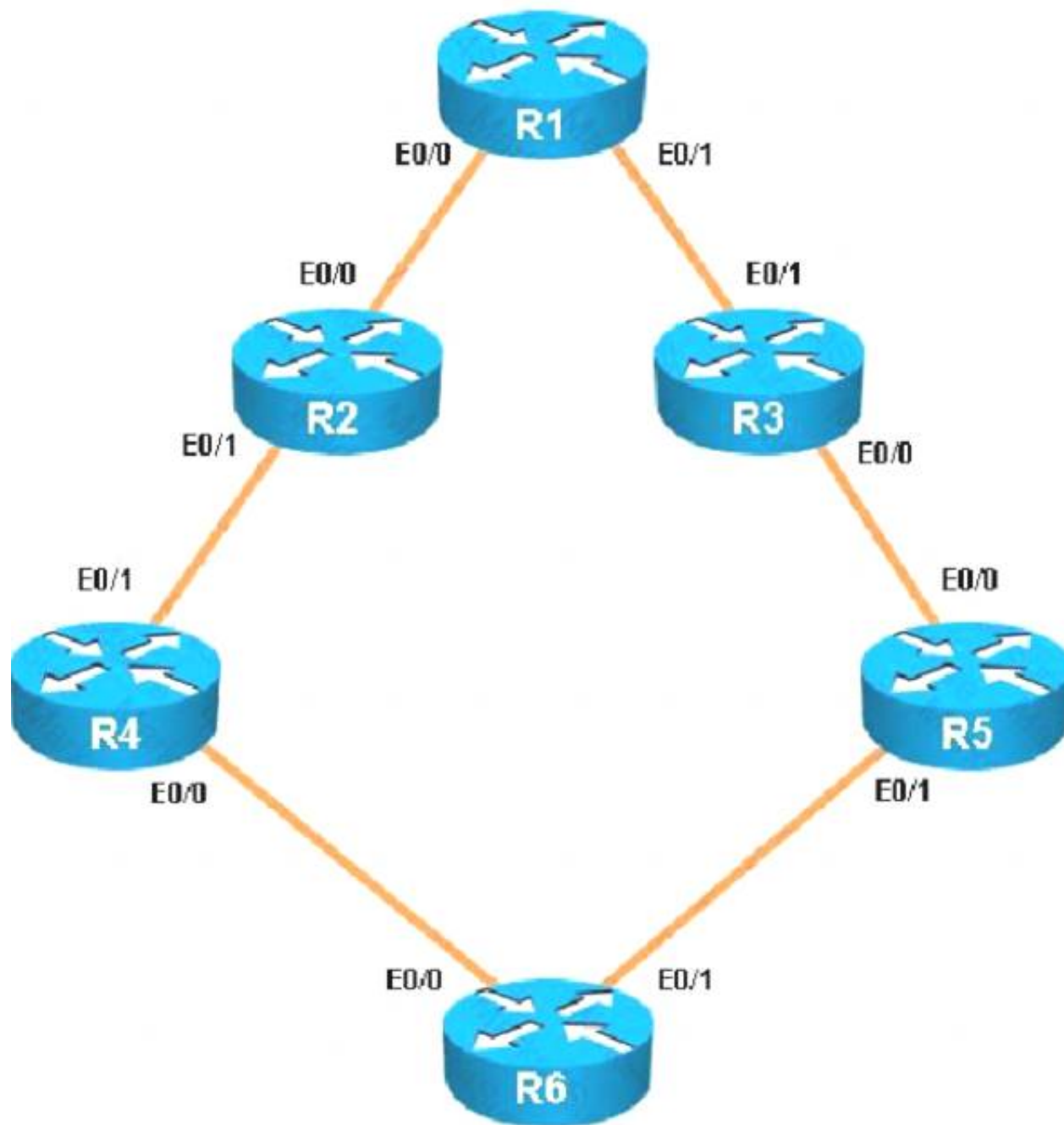
Which value determines the amount of traffic that a network path can hold in transit?

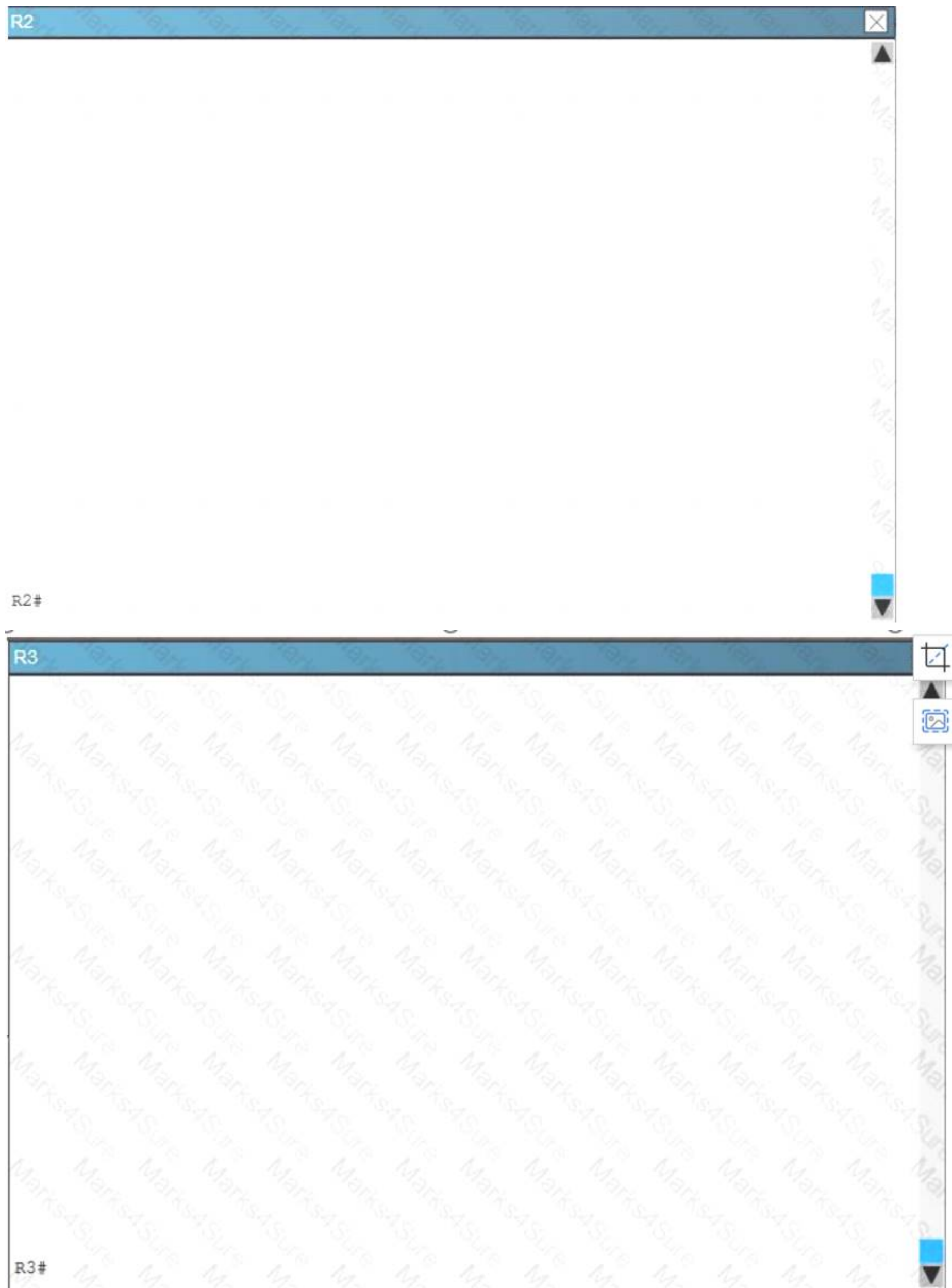
- A. route cache setting
- B. maximum window size
- C. bandwidth delay product
- D. MSS

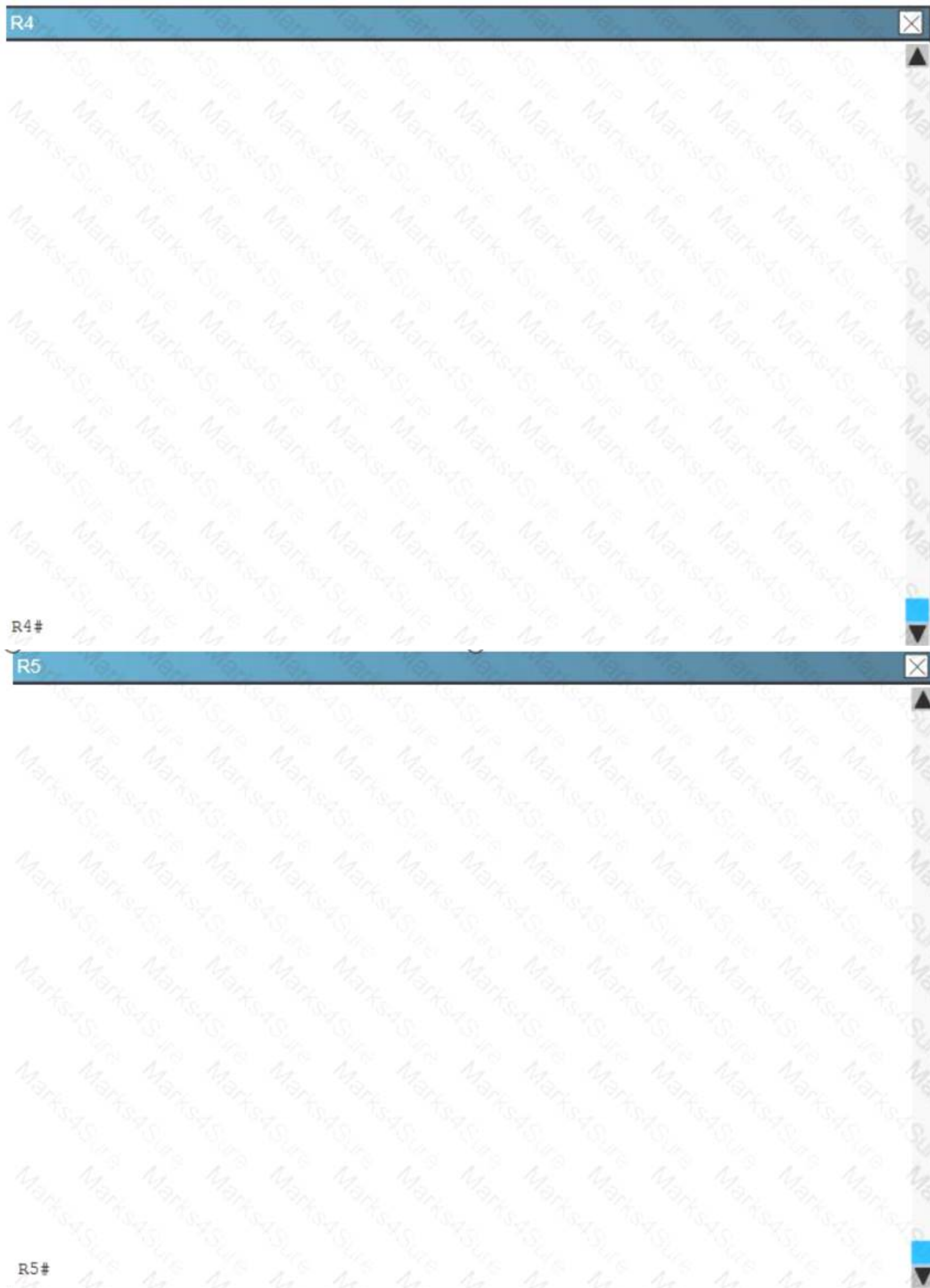
Answer: D

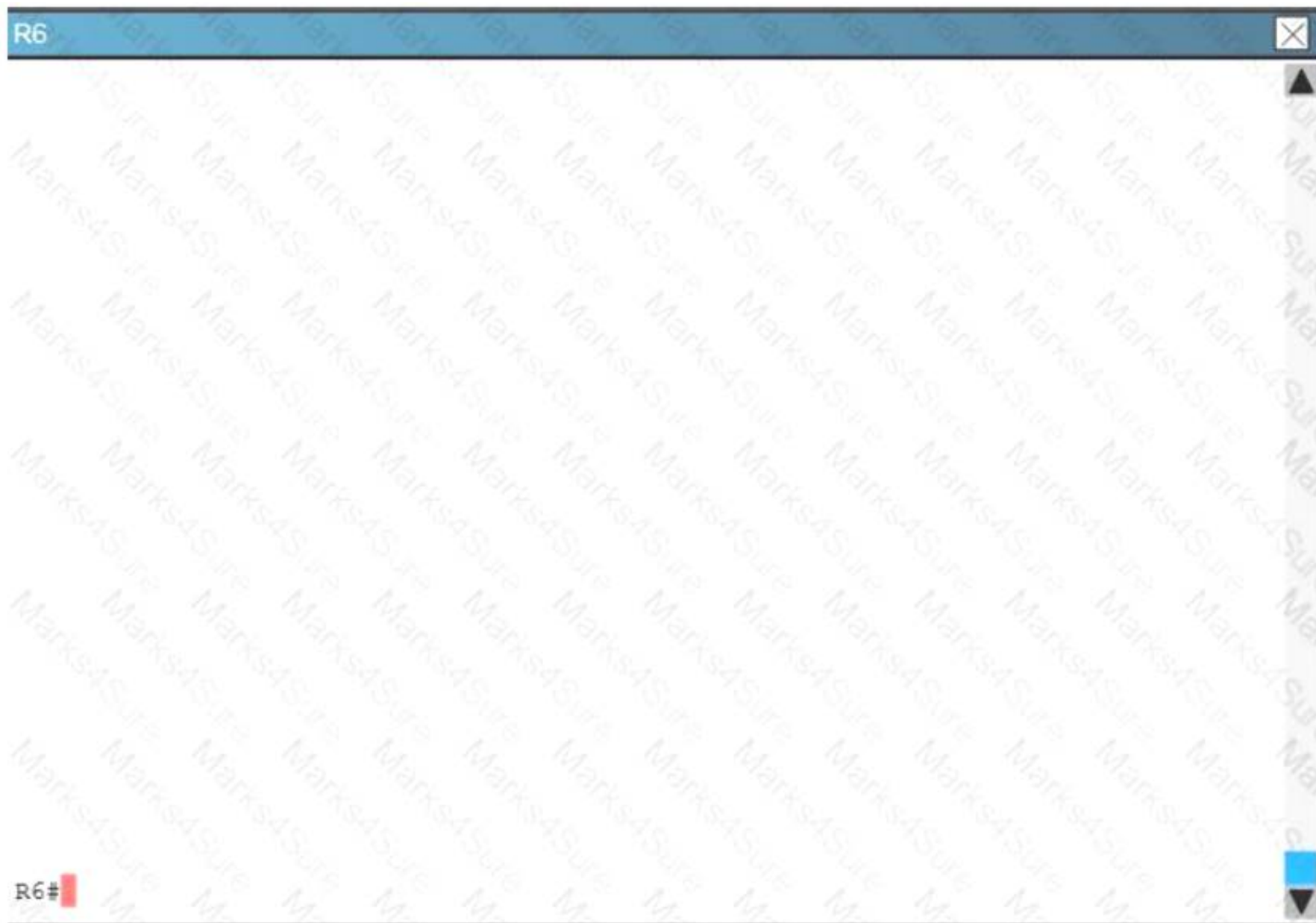
NEW QUESTION 322

You have been asked to evaluate how EIGRP is functioning in a customer network.









Which key chain is being used for authentication of EIGRP adjacency between R4 and R2?

- A. CISCO
- B. EIGRP
- C. key
- D. MD5

Answer: A

Explanation: R4 and R2 configs are as shown below:

--- More (164) ---

Clearly we see the actual key chain is named CISCO.

NEW QUESTION 327

A network engineer executes the show ip flow interface command. Which type of information is displayed on the interface?

- A. route cache information
- B. IP Cisco Express Forwarding statistics
- C. error statistics
- D. NetFlow configuration

Answer: D

NEW QUESTION 328

Which feature can automatically assign IP addresses IP addresses in a PPPoE environment?

- A. DHCP
B. BOOTP
C. PPP
D. APPA

Answer: C

NEW QUESTION 329

NEW QUESTION 329

Which of the following situations results in a routing loop

- A. when you implement noncontiguous IP routing blocks
- B. when you have a single point of redistribution
- C. when you have multiple points of redistribution
- D. when you use NAT translation on the edge of your network
- E. when you implement contiguous IP routing blocks

Answer: C

NEW QUESTION 332

Which interfaces type does a PPPoE client use to establish a session?

- A. dialer
- B. virtual-template
- C. physical
- D. loopback

Answer: A

NEW QUESTION 335

Which condition must be met before two EVN devices can connect?

- A. An EtherChannel must be configured with at least two interfaces connected between the devices.
- B. A fiber connection must be established between the devices.
- C. One VLAN interface must be configured between the devices.
- D. A trunk interface must be configured between the devices.

Answer: D

NEW QUESTION 337

Which feature eliminates the need for Cisco Express forwarding to maintain a route cache?

- A. MAC address table
- B. adjacency table
- C. FIB
- D. RIB

Answer: C

Explanation: <https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst4500/XE3-6-0E/15-22E/configuration/guide/xe-360-config/cef.pdf>
C:\Users\wk\Desktop\mudassar\Untitled.jpg

Forwarding Information Base

The Forwarding Information Base (FIB) is a table that contains a copy of the forwarding information in the IP routing table. When routing or topology changes occur in the network, the route processor updates the IP routing table and CEF updates the FIB. Because there is a one-to-one correlation between FIB entries and routing table entries, the FIB contains all known routes and eliminates the need for route cache maintenance that is associated with switching paths, such as fast switching and optimum switching. CEF uses the FIB to make IP destination-based switching decisions and maintain next-hop address information based on the information in the IP routing table.

On the Catalyst 4500 series switches, CEF loads the FIB in to the integrated switching engine hardware to increase the performance of forwarding. The integrated switching engine has a finite number of forwarding slots for storing routing information. If this limit is exceeded, CEF is automatically disabled and all packets are forwarded in software. In this situation, you should reduce the number of routes on the switch and then reenable hardware switching with the `ip cef` command.

NEW QUESTION 339

What type of route filtering is occurring on R6?

- A. Distribute-list using an ACL
- B. Distribute-list using a prefix-list
- C. Distribute-list using a route-map
- D. An ACL using a distance or 255

Answer: A

NEW QUESTION 340

Which type of information is displayed when a network engineer executes the show track 1 command on the router?

- A. information about tracking list
- B. information about the IP route track table
- C. time to next poll for track object 1
- D. tracking information statistics

Answer: A

NEW QUESTION 345

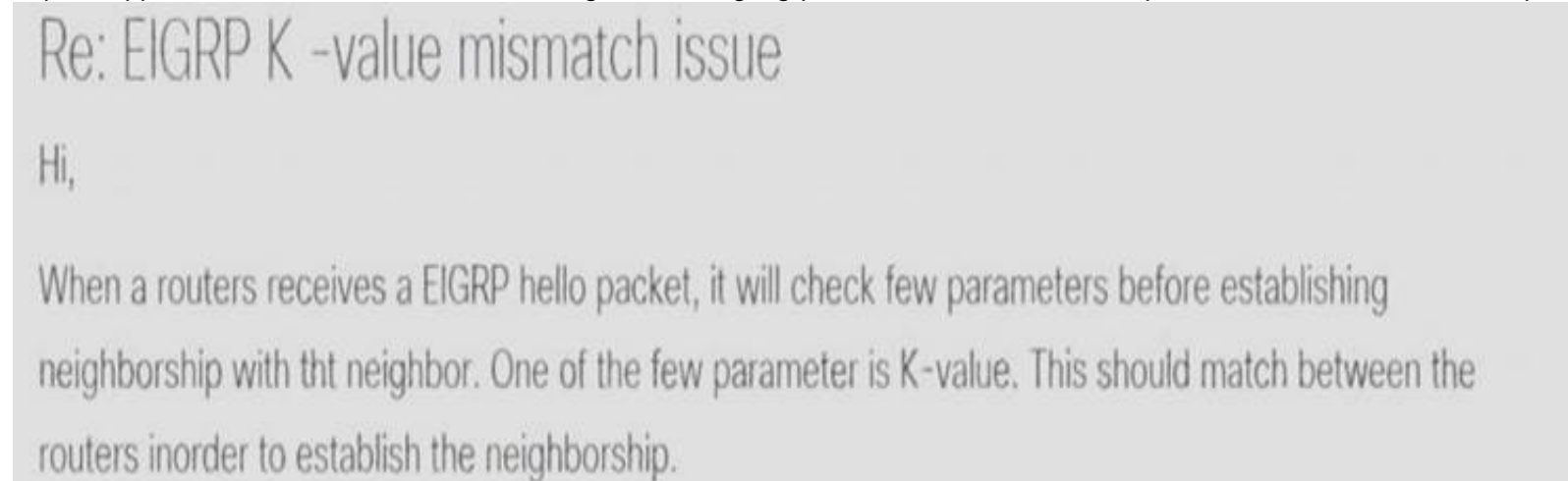
What happens when two EIGRP peers have mismatched K values?

- A. The two devices are unable to correctly perform equal-cost routing
- B. The two devices fail to perform EIGRP graceful shutdown when one device goes down
- C. The two devices fail to form an adjacency
- D. The two devices are unable to correctly perform unequal-cost load balancing

Answer: C

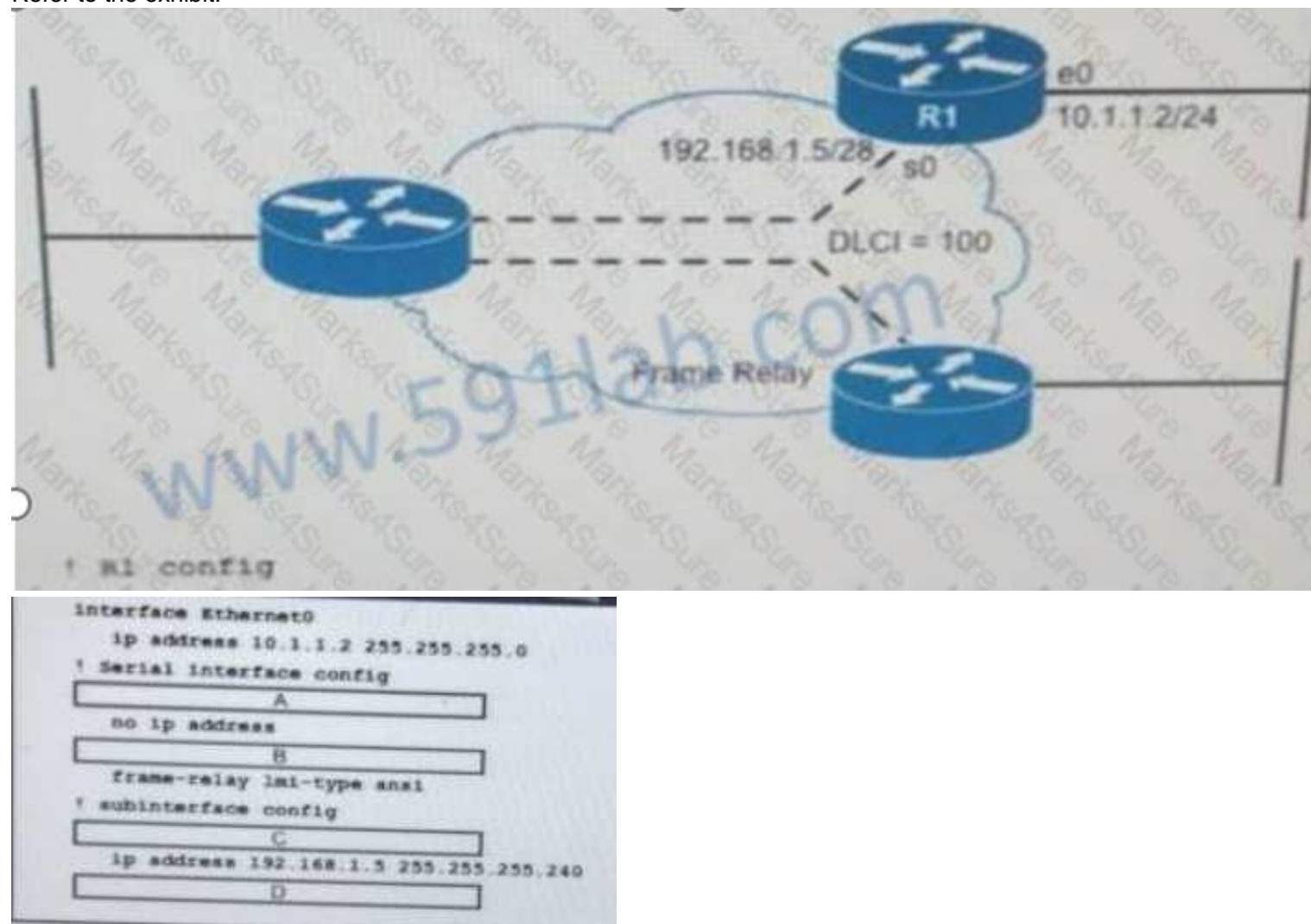
Explanation: <http://www.ciscopress.com/articles/article.asp?p=27839>

<https://supportforums.cisco.com/t5/lan-switching-and-routing/eigrp-k-value-mismatchissue/td-p/1008233> C:\Users\wk\Desktop\mudassar\Untitled.jpg



NEW QUESTION 349

Refer to the exhibit.



You are configuring the R1 Serial0 interface for a multipoint connection. Drag and drop the required configuration statements from the left onto the .corresponding locations from the diagram on the right.

encapsulation frame-relay	A
encapsulation ppp	B
frame-relay map ip 192.168.1.1 100 broadcast	C
frame-relay interface-dlci 100	D
interface Serial0	
interface Serial0 1 multipoint	

Answer:

Explanation:

encapsulation frame-relay	interface Serial0
encapsulation ppp	encapsulation frame-relay
frame-relay map ip 192.168.1.1 100 broadcast	interface Serial0 1 multipoint
frame-relay interface-dlci 100	frame-relay map ip 192.168.1.1 100 broadcast
interface Serial0	
interface Serial0 1 multipoint	

NEW QUESTION 354

Which location is traffic from IP SLAs?

- A. core edge
- B. access edge
- C. WAN edge
- D. Distribution edge
- E. User edge

Answer: C

NEW QUESTION 358

A network engineer executes the show IP Cache flow command, Which two types of information are displayed in the report that is generated? (Choose two.)

- A. flow export statistics
- B. SMLS flow traffic
- C. flow samples for specific protocols
- D. top talkers
- E. IP packet distribution

Answer: AC

NEW QUESTION 363

What are two BGP neighbourship states?(choose two)

- A. Full
- B. Open Sent
- C. 2WAY
- D. Connect
- E. DROTHER
- F. Stuck in active

Answer: BD

NEW QUESTION 367

You have implemented mutual route redistribution between OSPF and EIGRP on a border router.

When checking the routing table on one of the OSPF routers within the OSPF routing domain, you are seeing some, but not all of the expected routes. Which two

things should you verify to troubleshoot this problem? (Choose two.)
????????????

- A. The border router is using a proper seed metric for OSPF.
- B. The border router is using a proper seed metric for EIGRP.
- C. The administrative distance is set for OSPF and EIGRP
- D. The missing EIGRP routes are present in the routing table of the border router
- E. The subnet keyword on the border router in the redistribute EIGRP command

Answer: DE

NEW QUESTION 370

Which two actions are common methods for migrating a network from one network protocol to another? (choose two)

- A. Channing the relative administrative distance of the two routing protocols.
- B. Channing the network Ip address and bringing up the addresses using the new routing protocol
- C. removing the currency protocol and implementing the new routing protocol
- D. redistributing from the current routing protocol to the new routing protocol
- E. disabling IP routing globally and implement the new routing protocol

Answer: BD

NEW QUESTION 372

Which two statements about PPPOE packet types are true? (Choose two)

- A. PADI is an initialization packet sent as a broadcast message
- B. PADO is a unicast reply packet sent to the client.
- C. PADR is a broadcast packet sent from the client to request a new server.
- D. PADR is a broadcast reply packet sent to the client.
- E. PADR is a unicast confirmation packet sent to the client.

Answer: AC

NEW QUESTION 376

Which feature or technology is supported with stateful NAT64?

- A. FTP and ICMP on an application layer gateway
- B. VFR
- C. IP multicast
- D. NAT44 and NAT64 on the same interface

Answer: B

NEW QUESTION 379

Which types of LSAs are present in the stub area?

- A. LSA type 1 and 2
- B. LSA type 1. 2. 3, 4. and 5
- C. LSA type 1 2, and 3
- D. LSA type 3 and 5

Answer: C

NEW QUESTION 382

A network engineer applies the command ip tcp adjust-mss <bytes> under interface configuration mode. What is the result?

- A. The probability of SYN packet truncation is increased
- B. The optimum MTU value for the interface is set
- C. The UDP session is inversely affected
- D. The probability of dropped or segmented TCP packets is decreased

Answer: B

NEW QUESTION 384

Which two statements about OSPFv3 are true?(choose two)

- A. The router ID is configured as an IPv6 address.
- B. It uses loopback IPv6 addresses to form neighbor relationships.
- C. The router ID is configured as an IPv4 address.
- D. It uses LSA type 6 for intra-area prefixes.
- E. It is backwards-compatible with OSPFv2 through the use of sham link.
- F. It uses link-local addresses to form neighbor relationships.

Answer: CF

NEW QUESTION 386

Which is the minimum privilege level to allow a user to execute all user-level commands but prohibits enable-level commands by default?

- A. level 0
- B. level 1
- C. level 14
- D. level 15
- E. level 16

Answer: B

NEW QUESTION 389

Which two options are components of a dual stack? (Choose two.)

- A. IPv6 traffic
- B. IPv4 traffic
- C. Layer 3 switch
- D. EIGRP
- E. Layer 2 switch
- F. OSPF

Answer: AB

NEW QUESTION 390

Which LSA type in OSPFv3 is used for link-local u

- A. Link LSA type 5
- B. Link LSA type 8
- C. Link LSA type 6
- D. Link LSA type 4

Answer: B

NEW QUESTION 392

What is the optimal location from which to execute a debug command that produces an excessive amount of information?

- A. vty lines
- B. SNMP commands
- C. A console port
- D. An AUX port

Answer: A

NEW QUESTION 397

Which two tasks must you perform to configure a BGP peer group?(Choose two)

- A. Configure the soft-update value
- B. Activate the default route
- C. Set the advertisement Interva
- D. Activate each neighbor
- E. Assign neighbors to the peer group

Answer: DE

NEW QUESTION 402

A network engineer is troubleshooting connectivity issues with a directly connected RIPv6 neighbor. Which command should directly connected RIPv6 neighbor adjacencies only?

- A. router# show ipv6 rip next-hops
- B. router# show ip rip neighbors
- C. router# show ipv6 routers
- D. router# show ipv6 rip database

Answer: A

NEW QUESTION 407

What does the following access list, which is applied on the external interface FastEthernet 1/0 of the perimeter router, accomplish?


```
router (config)#access-list 101 deny ip 10.0.0.0 0.255.255.255 any log
router (config)#access-list 101 deny ip 192.168.0.0 0.0.255.255 any log
router (config)#access-list 101 deny ip 172.16.0.0 0.15.255.255 any log
router (config)#access-list 101 permit ip any any
router (config)#interface fastEthernet 1/0
router (config-if)#ip access-group 101 in
```

- A. It prevents private internal addresses to be accessed directly from outside
- B. It filters incoming traffic from private address ranges 10 0 0 0-10 0 0 255, 172 16 0 0-172.31.255 255.192 168 0 0-192 168 255 255 and logs any intrusion attempts
- C. It prevents the internal network from being used in spoofed denial of service attacks and logs any exit to the Internet
- D. It filters incoming traffic from private addresses in order to prevent spoofing and logs any intrusion attempts

Answer: B

NEW QUESTION 411

Which adverse event can occur as a consequence of asymmetric routing on the network?

- A. vulnerability to a man-in the - middle attack
- B. inadvertent HSRP active router preemption
- C. errdisabled port
- D. unicast flooding

Answer: D

NEW QUESTION 414

Which two different configurations can you apply to a device to block incoming SSH access? (Choose two.)

- A. `ipv6 access-list VTY-ACCESS-IN`
`sequence 10 deny tcp any any eq 22`
`sequence 20 permit ipv6 any any`
`interface Ethernet0/0`
`ip traffic-filter VTY-ACCESS-IN out`
- B. `ipv6 access-list VTY-ACCESS-IN`
`sequence 10 deny tcp any any eq 22`
`sequence 20 permit ipv6 any any`
`interface Ethernet0/0`
`ip traffic-filter VTY-ACCESS-IN in`
- C. `ipv6 access-list VTY-ACCESS-IN`
`sequence 10 deny tcp any any eq 22`
`sequence 20 permit ipv6 any any`
`line vty 0 15`
`ip access-class VTY-ACCESS-IN in`
- D. `ipv6 access-list VTY-ACCESS-IN`
`sequence 10 deny tcp any any eq 22`
`sequence 20 permit ipv6 any any`
`line vty 0 15`
`ip access-list VTY-ACCESS-IN out`
- E. `ipv6 access-list VTY-ACCESS-IN`
`sequence 10 deny tcp any any eq 22`
`sequence 20 permit ipv6 any any`
`interface Ethernet0/0`
`ip traffic-filter VTY-ACCESS-IN out`

- A. Option A
B. Option B
C. Option C
D. Option D
E. Option E

Answer: BC

NEW QUESTION 415

Engineer has to enable RIP on a link. Where he will issue the command?

- A. Ipv6
B. Global
C. Router sub command
D. Interface sub command

Answer: C

NEW QUESTION 419

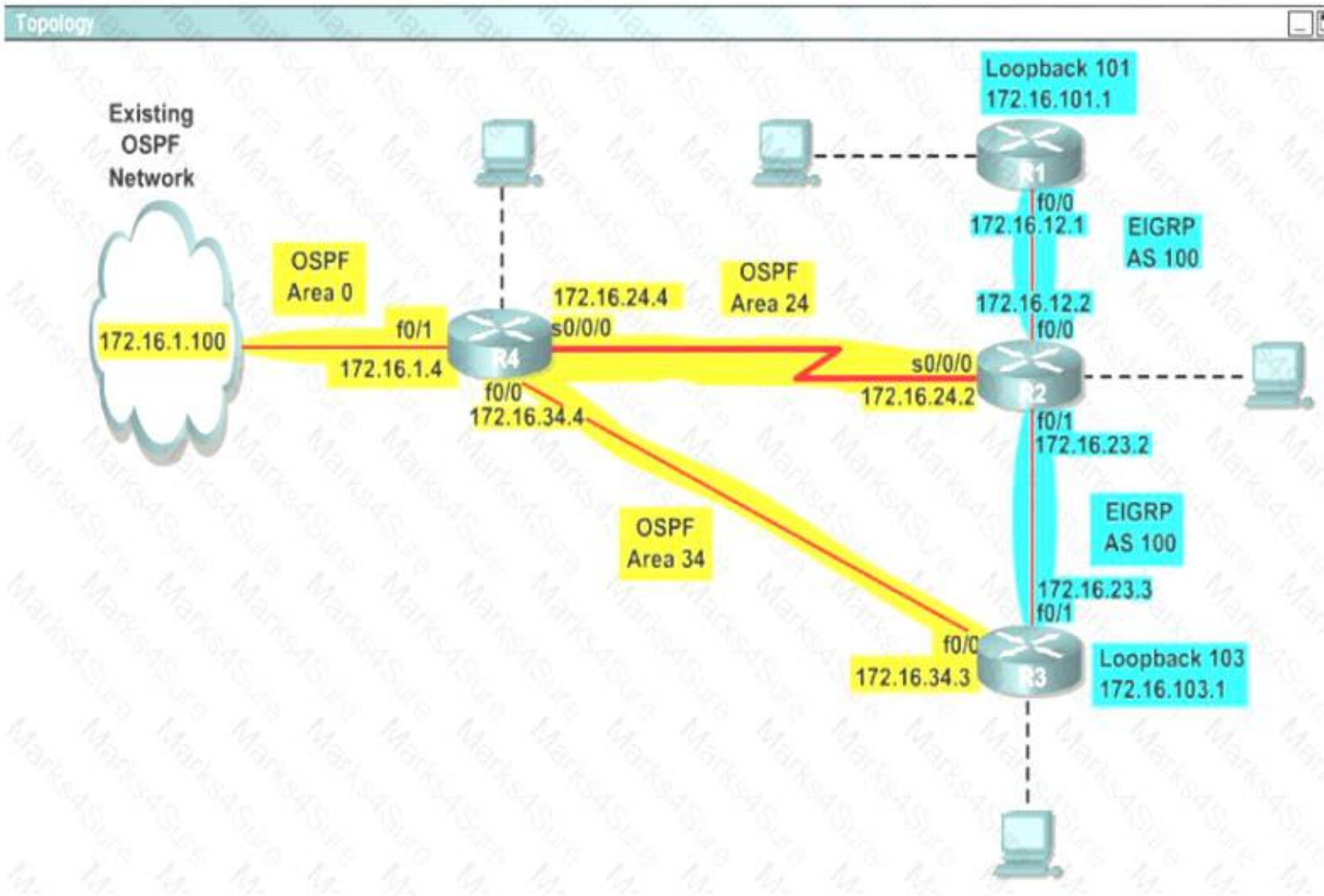
What is the output of the following command: `show ip vrf`

- A. Show's default RD values
B. Displays IP routing table information associated with a VRF
C. Show's routing protocol information associated with a VRF.
D. Displays the ARP table (static and dynamic entries) in the specified VRF

Answer: A

NEW QUESTION 422

You are a network engineer with ROUTE.com, a small IT company. They have recently merged two organizations and now need to merge their networks as shown in the topology exhibit. One network is using OSPF as its IGP and the other is using EIGRP as its IGP. R4 has been added to the existing OSPF network to provide the interconnect between the OSPF and EIGRP networks. Two links have been added that will provide redundancy. The network requirements state that you must be able to ping and telnet from loopback 101 on R1 to the OPSF domain test address of 172.16.1.100. All traffic must use the shortest path that provides the greatest bandwidth. The redundant paths from the OSPF network to the EIGRP network must be available in case of a link failure. No static or default routing is allowed in either network. A previous network engineer has started the merger implementation and has successfully assigned and verified all IP addressing and basic IGP routing. You have been tasked with completing the implementation and ensuring that the network requirements are met. You may not remove or change any of the configuration commands currently on any of the routers. You may add new commands or change default values.



Answer:

Explanation: First we need to find out 5 parameters (Bandwidth, Delay, Reliability, Load, MTU) of the s0/0/0 interface (the interface of R2 connected to R4) for redistribution:

```
R2#show interface s0/0/0
```

Write down these 5 parameters, notice that we have to divide the Delay by 10 because the metric unit is in tens of microsecond. For example, we get Bandwidth=1544 Kbit, Delay=20000 us, Reliability=255, Load=1, MTU=1500 bytes then we would redistribute as follows:

```
R2#config terminal R2(config)# router ospf 1
```

```
R2(config-router)# redistribute eigrp 100 metric-type 1 subnets R2(config-router)#exit
```

```
R2(config-router)#router eigrp 100
```

```
R2(config-router)#redistribute ospf 1 metric 1544 2000 255 1 1500
```

Note: In fact, these parameters are just used for reference and we can use other parameters with no problem. If the delay is 20000us then we need to divide it by 10, that is 20000 / 10 = 2000)

For R3 we use the show interface fa0/0 to get 5 parameters too

```
R3#show interface fa0/0
```

For example we get Bandwidth=10000 Kbit, Delay=1000 us, Reliability=255, Load=1, MTU=1500 bytes

```
R3#config terminal R3(config)#router ospf 1
```

```
R3(config-router)#redistribute eigrp 100 metric-type 1 subnets R3(config)#exit
```

```
R3(config-router)#router eigrp 100
```

```
R3(config-router)#redistribute ospf 1 metric 10000 100 255 1 1500
```

Finally you should try to "show ip route" to see the 172.16.100.1 network (the network behind R4) in the routing table of R1 and make a ping from R1 to this network.

Note: If the link between R2 and R3 is FastEthernet link, we must put the command below under EIGRP process to make traffic from R1 to go through R3 (R1 -> R2 -> R3 -> R4), which is better than R1 -> R2 -> R4.

```
R2(config-router)# distance eigrp 90 105
```

This command sets the Administrative Distance of all EIGRP internal routes to 90 and all EIGRP external routes to 105, which is smaller than the Administrative Distance of OSPF (110) -> the link between R2 & R3 will be preferred to the serial link between R2 & R4.

Note: The actual OPSF and EIGRP process numbers may change in the actual exam so be sure to use the actual correct values, but the overall solution is the same.

NEW QUESTION 423

Which password takes precedence if you configure multiple passwords for Telnet connections to a Cisco IOS device?

A. console line password

- B. enable secret password
- C. enable password
- D. aux line
- E. password

Answer: B

NEW QUESTION 426

Which two OSPF router types can perform summarization in an OSPF network?(Choose two)

- A. backbone router
- B. area border router
- C. summary router
- D. a autonomous system boundary router
- E. internal router

Answer: BD

NEW QUESTION 428

Which two protocols are required for DMVPN? (Choose two)

- A. mGRE
- B. IPsec
- C. OpenVPN
- D. PPTP
- E. INHRP

Answer: BE

NEW QUESTION 429

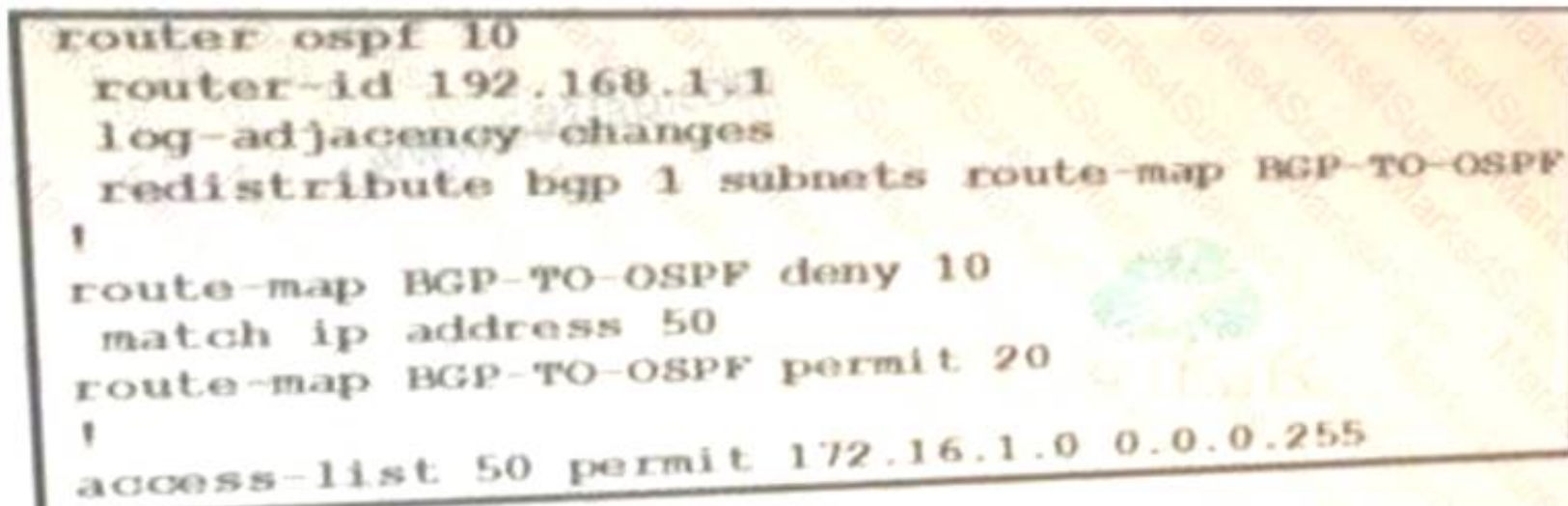
Which two statements about Frame Relay LMI autosense are true on a Router?(Choose two)

- A. It requires the line protocol to be up
- B. it operates when the line is up but the line protocol is down
- C. It requires the LMI type to be explicitly configured
- D. It operates on Frame Relay DTE interfaces
- E. It operates on Frame Relay DCE interfaces

Answer: BD

NEW QUESTION 434

Refer to the exhibit.



```
router ospf 10
router-id 192.168.1.1
log-adjacency-changes
redistribute bgp 1 subnets route-map BGP-TO-OSPF
!
route-map BGP-TO-OSPF deny 10
match ip address 50
route-map BGP-TO-OSPF permit 20
!
access-list 50 permit 172.16.1.0 0.0.0.255
```

Which statement about redistribution from BGP into OSPF process 10 is true?

- A. Network 172.16.1.0/24 is not redistributed into OSPF.
- B. Network 10.10.10.0/24 is not redistributed into OSPF
- C. Network 172.16.1.0/24 is redistributed with administrative distance of 1.
- D. Network 10.10.10.0/24 is redistributed with administrative distance of 20.

Answer: A

NEW QUESTION 436

Which feature can be used to reduce the number of ICMP unreachable messages egressing a router?

- A. ICMP rate-limiting
- B. asymmetric routing
- C. URPF
- D. ip unreachable command

Answer: A

NEW QUESTION 441

What is the hop count is advertised for an unreachable network by a RIP router that uses poison reverse?

- A. 16
- B. 255
- C. 15

Answer: A

NEW QUESTION 443

Which three NTP operating modes must the ntp trusted-key command be configured on for authentication to operate properly?(Choose three)

- A. client
- B. interface
- C. stratum
- D. server
- E. peer
- F. broadcast

Answer: ADF

NEW QUESTION 447

Which two commands must be configured on a DMVPN hub to enable phase 3? (Choose two)

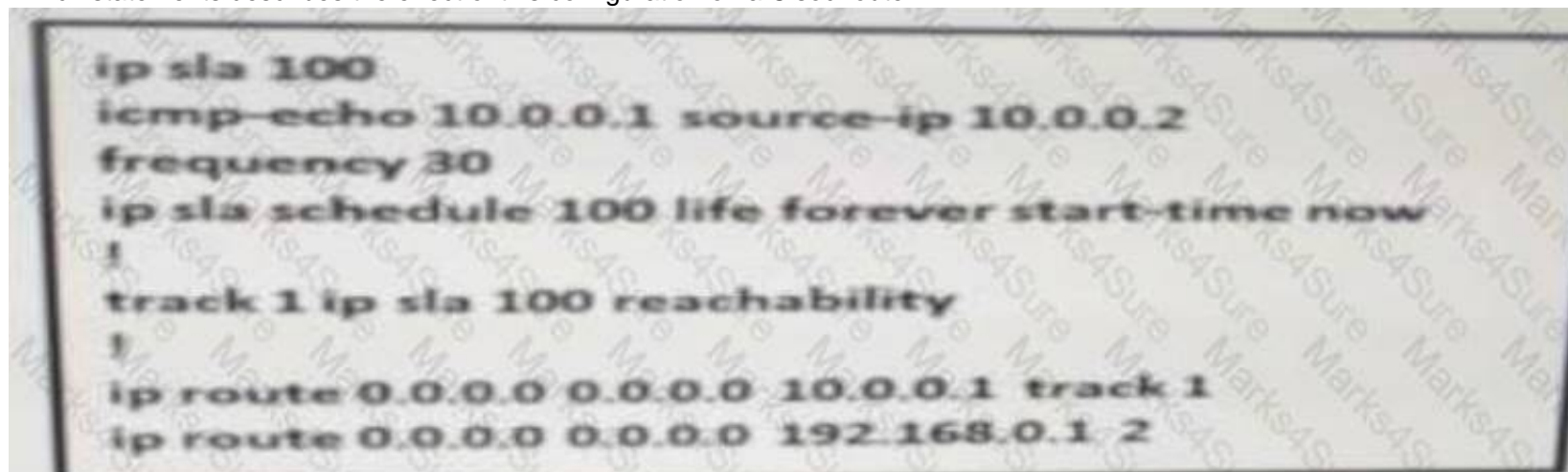
- A. ip nhrp redirect
- B. ip nhrp interest
- C. ip nhrp shortcut
- D. ip nhrp map
- E. ip redirects

Answer: AD

NEW QUESTION 448

Refer to the exhibit.

Which statements describes the effect of this configuration on a Cisco router?



- A. The default router through 10.0.1 is never used.
- B. The default router through 192.168.0.1 is used only when 10.0.0 is unreachable.
- C. The default router through 10.0.0.1 only when 192.168.0.1 is unreachable.
- D. The default router through 192.168.0.1 is never used.

Answer: B

NEW QUESTION 452

Which two statements about Frame Relay point-to-point connections are true?(Choose two)

- A. They use two DLCIs to communicate with multiple endpoints over the Frame Relay cloud
- B. The device can establish a point-to-point connection to the cloud without a DLCI
- C. Changing a point-to-point subinterface to a different type requires the device to be reloaded.
- D. They can operate normally without a DLCI map
- E. Each physical interface that extends to the Frame Relay cloud can support a single SVC.

Answer: AC

NEW QUESTION 453

Which three algorithms can you configure with the ip cef load-sharing algorithm command?(choose three)

- A. per-packed
- B. Tunnel
- C. per-destination
- D. Universal
- E. Per-source

F. Include-port

Answer: BDF

NEW QUESTION 457

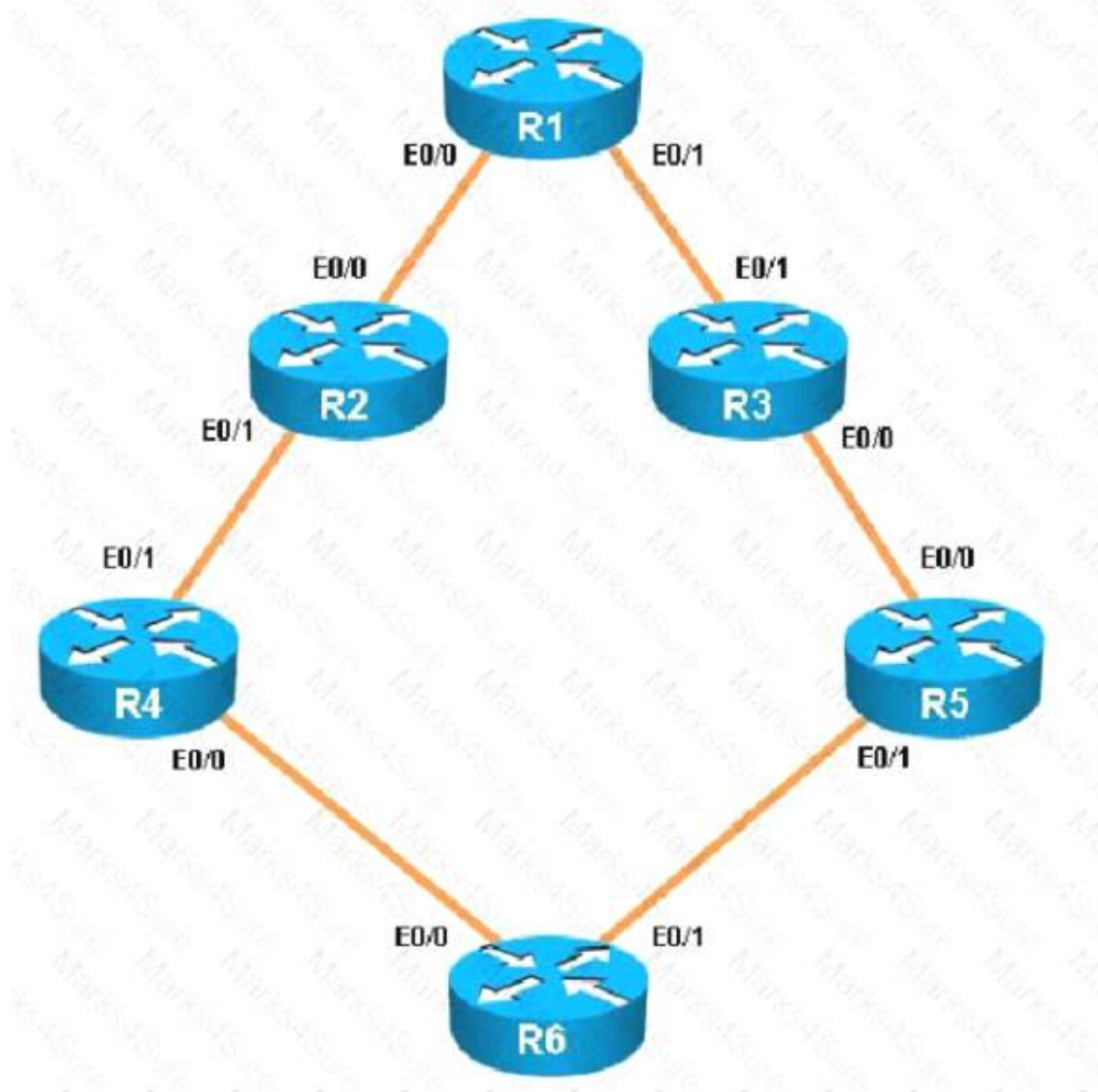
Which allowing website access between certain times?

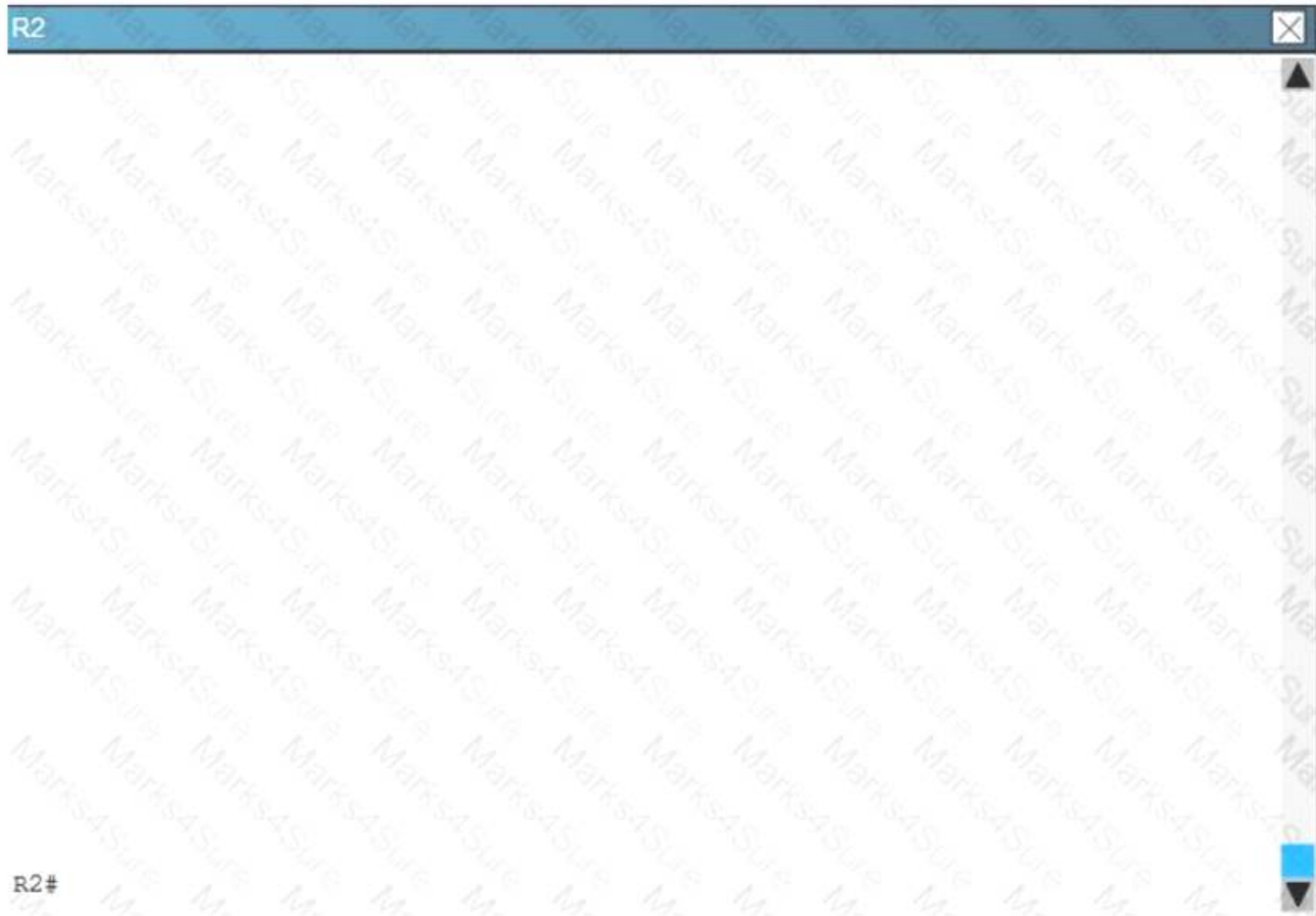
- A. Filters using Time-Based ACLs
- B. x
- C. x
- D. x

Answer: A

NEW QUESTION 459

You have been asked to evaluate how EIGRP is functioning in a customer network.



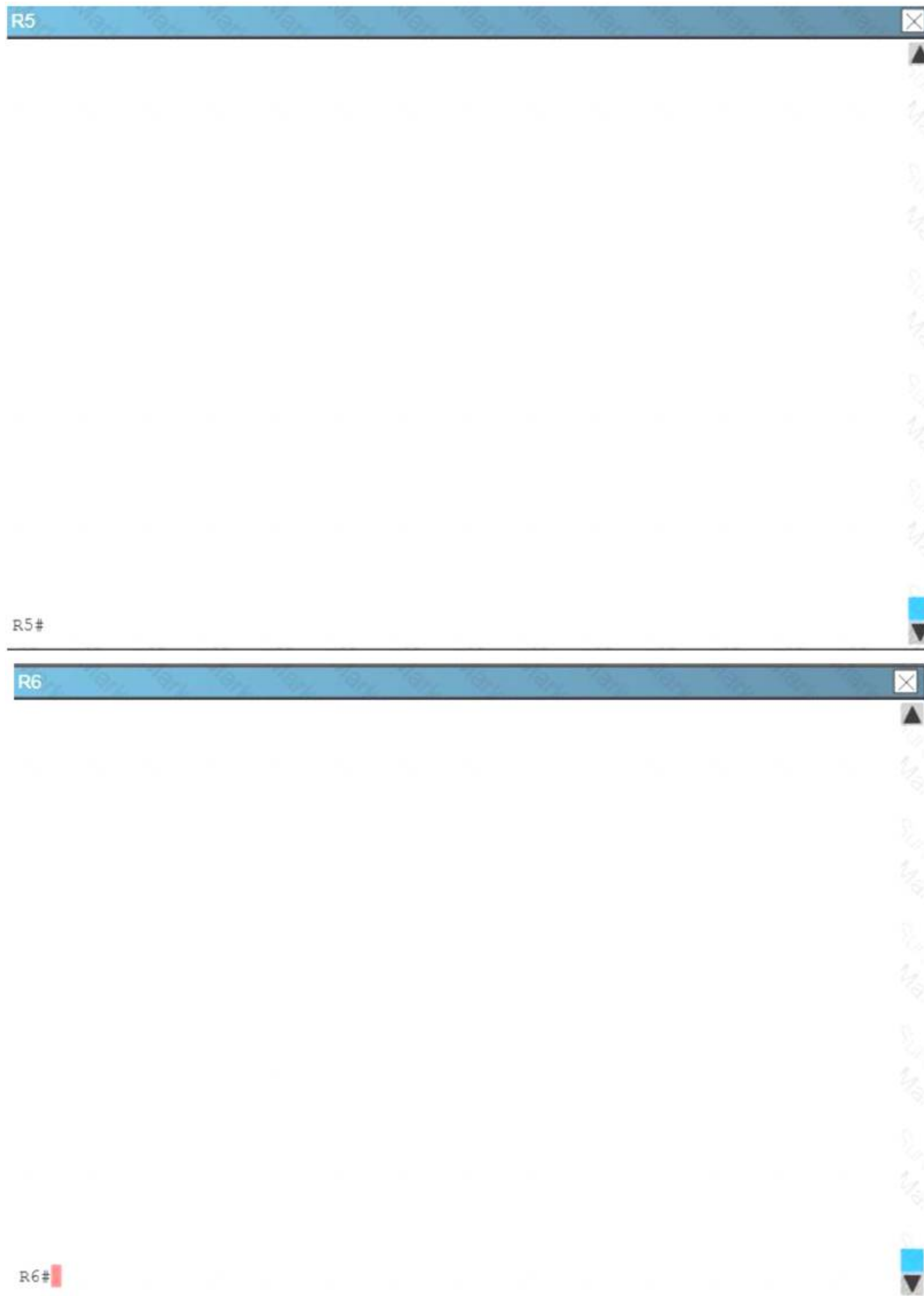


R3

R3#

R4

R4#



What percent of R1's interfaces bandwidth is EIGRP allowed to use?

- A. 10
- B. 20
- C. 30
- D. 40

Answer: B

NEW QUESTION 460

Which LSA types can exist only in an OSPF NSSA area?

- A. type 1 LSA
- B. type 3 LSA
- C. type 5 LSA
- D. type 7 LSA

Answer: D

NEW QUESTION 464

Which security feature can protect DMVPN tunnels?

- A. IPsec
- B. TACACS+
- C. RTBH
- D. RADIUS

Answer: A

NEW QUESTION 465

Which option must be configured on a target device to use time stamping to accurately represent response times using IP SLA ?

- A. Responder
- B. Jitter value
- C. TCP Connect
- D. ICMP Echo

Answer: A

NEW QUESTION 468

Which LSA type in OSPFv3 is used for link-local updates?

- A. Type 5
- B. Type 8
- C. Type 4
- D. Type 9

Answer: B

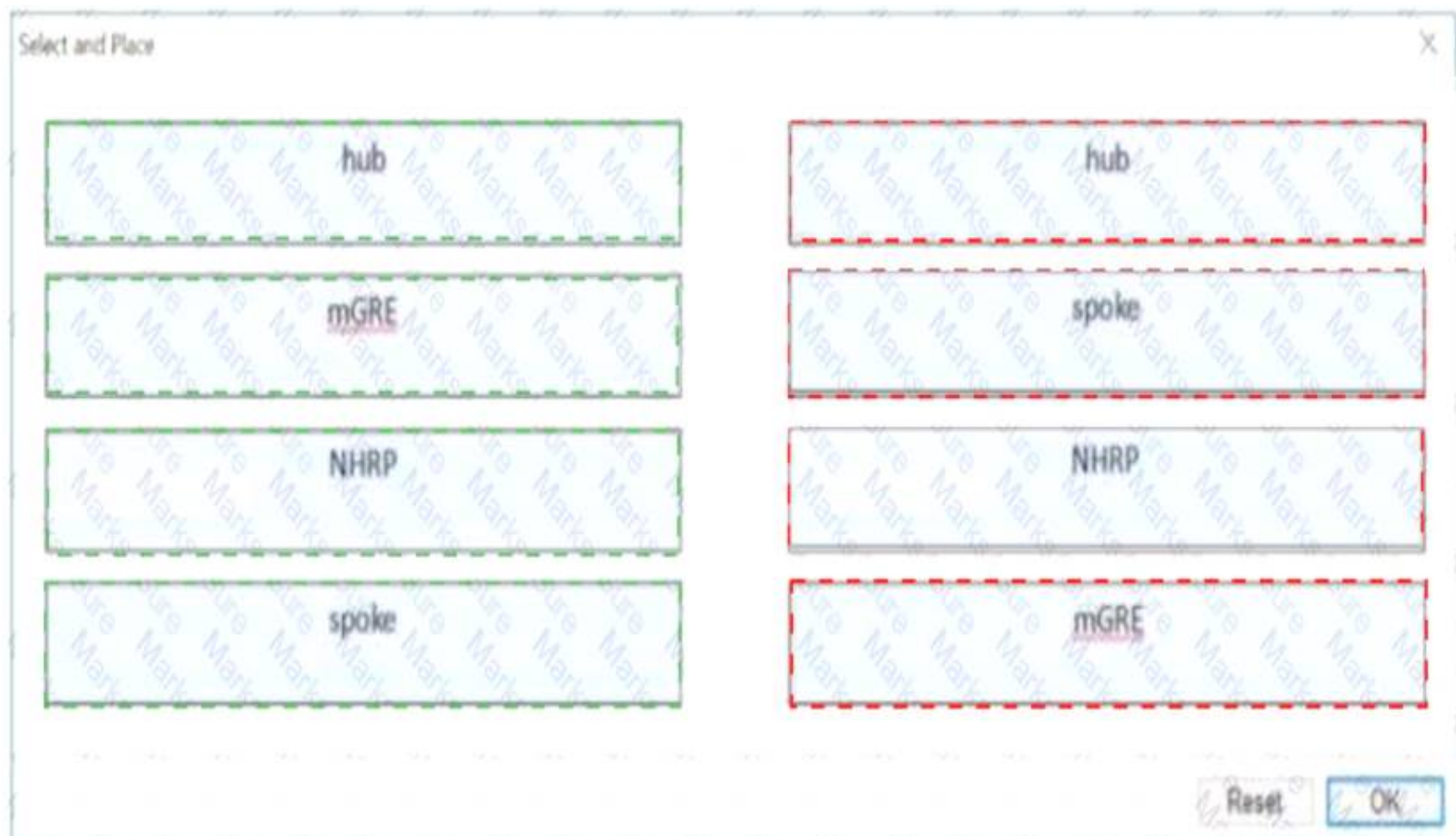
NEW QUESTION 473

Drag and drop the DMVPN components from the left onto the correct descriptions on the right
 Select and Place:

Component	Description
hub	device that acts as the next-hop server
mGRE	device that is usually identified with a dynamic address
NHRP	protocol that allows spokes to communicate directly with one another
spoke	technology that allows one interface to support multiple tunnels

Answer:

Explanation:



NEW QUESTION 475

Which feature filters information at the interface level?

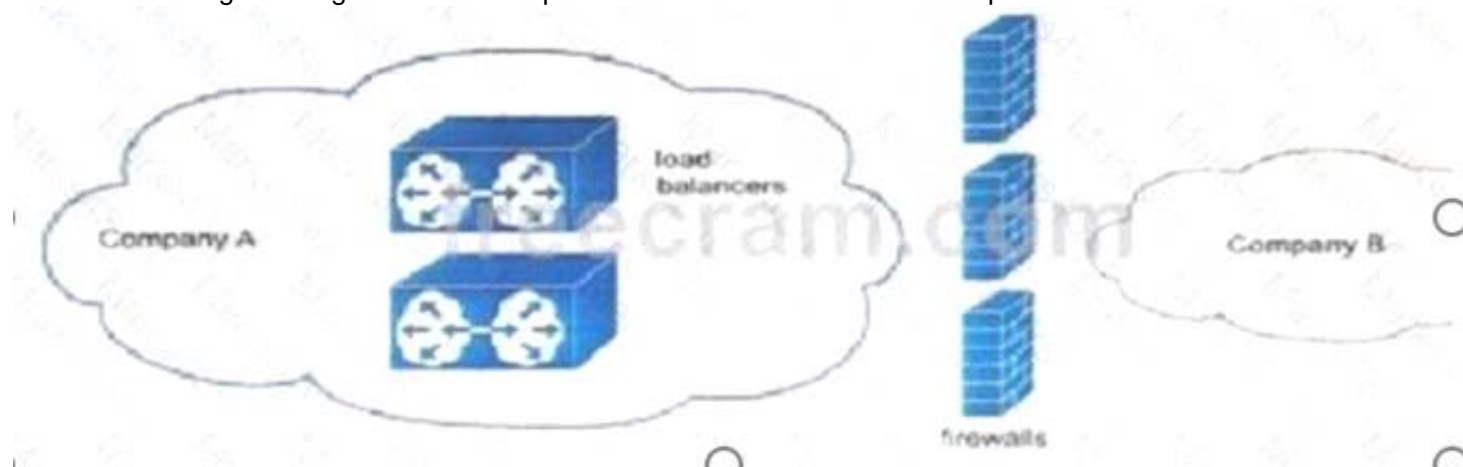
- A. prefix-list
- B. syslog
- C. conditional debugging
- D. local logging

Answer: D

NEW QUESTION 480

Refer to the exhibit.

Which networking challenge is the most important issue to address to enable optimal communication between the networks at Company A and Company B?



- A. IPv4 MTU
- B. IPv4 fragmentation
- C. UDP latency
- D. unicast flooding
- E. asymmetric routing

Answer: E

NEW QUESTION 484

Which action is the most efficient way to handle route feedback when connecting a RIPv2 network to OSPF?

- A. Implement distribute lists
- B. Implement route tags
- C. Implement route maps with access lists
- D. Implement IP prefix lists.

Answer: C

NEW QUESTION 489

Which protocol can you use to remotely install an IOS image on a Cisco switch?

- A. SFTP
- B. NetFlow
- C. FTP
- D. SNMP

Answer: C

NEW QUESTION 490

You have a router has some interface configured with 10Gb interface and gigabit interface. Which command you use to optimize higher BW

- A. (config)#router ospf 1(config-router)auto-cost reference-bandwidth 10000
- B. (config)#router ospf 1(config-router)auto-cost reference-bandwidth 1000
- C. (config)#int f0/0(config-int)auto-cost reference-bandwidth 1000
- D. (config)#int f0/0(config-int)auto-cost reference-bandwidth 10000

Answer: A

NEW QUESTION 491

Which three functionalities are specific to stateful NAT64? (Choose three.)

- A. It conserves IPv4 addresses.
- B. It requires IPv4-translatable IPv6 addresses.
- C. No constraint is put on the number of endpoints due to 1:N translation.
- D. It helps ensure end-to-end address transparency and scalability.
- E. A state or bindings are created on every unique translation.
- F. It requires either manual or DHCPv6-based address assignment for IPv6 hosts.

Answer: ACE

NEW QUESTION 494

Which statement about stateless and stateful IPv6 auto configuration is true?

- A. Both stateless and stateful autoconfiguration require no additional setup
- B. Stateless autoconfiguration requires additional setup, whereas stateful autoconfiguration requires no additional setup
- C. Stateless autoconfiguration requires no additional setup, whereas stateful autoconfiguration requires additional setup
- D. Both stateless and stateful autoconfiguration require additional setup

Answer: D

NEW QUESTION 498

Which option is an invalid redistribute command option for redistributing routes from EIGRP into OSPF?

- A. route map
- B. tag
- C. access list
- D. metric

Answer: C

NEW QUESTION 501

Which location within the network is preferred when using a dedicated router for Cisco IP SLA operations?

- A. user edge
- B. provider edge
- C. access edge
- D. distribution edge

Answer: D

NEW QUESTION 506

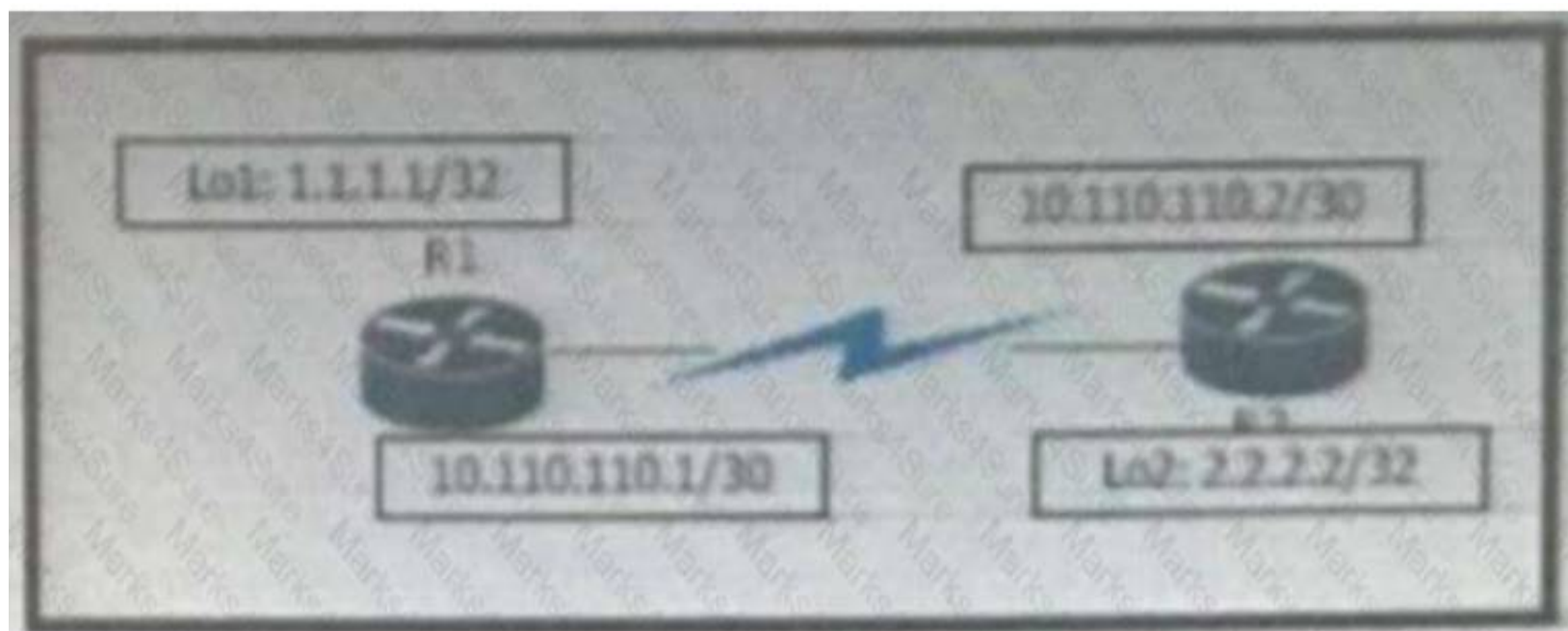
What does an Cisco router use as default username for CHAP authentication?

- A. chap
- B. Hostname
- C. cisco
- D. ppp

Answer: B

NEW QUESTION 510

Refer to the exhibit.



Router 1 cannot ping router 2 via the Frame Relay between them. Which two statements describe the problems? (Chooses two.)

- A. encapsulation is mismatched.
- B. Frame Relay map is configured.
- C. DLCI is active.
- D. DLCI is inactive or deleted.
- E. An access list is needed to allow ping.

Answer: AD

NEW QUESTION 513

If routers in a single area are configured with the same priority value, what value does a router use for the OSPF Router ID in the absence of a loopback interface?

- A. The lowest IP address of any physical interface
- B. The highest IP address of any physical interface
- C. The lowest IP address of any logical interface
- D. The highest IP address of any logical interface

Answer: B

NEW QUESTION 517

Which two statements about EVN are true? (Choose two)

- A. VRFs using MPLS require a trunk interface that uses EVN
- B. All EVNs within a trunk interface can share the same IP infrastructure
- C. Each EVN within a trunk interface must be configured separately
- D. Commands that are specified once under a trunk interface can be inherited by all EVNs
- E. VRF-Lite requires a trunk interface that uses EVN

Answer: BD

NEW QUESTION 518

A customer asks its service provider for VPN support for IPv4 and IPv6 address families Which command enables a VRF that supports these requirements?

- A. Router(config-vrf) #route-target 004:006
- B. Router(config-vrf)#rd 004: 006
- C. Router(config)#ipvrf CUSTOMER
- D. Router(config-vrf)#vrf definition CUSTOMER

Answer: D

NEW QUESTION 520

Which two statements about DMVPN are true?

- A. Multicast traffic is not supported
- B. It requires full-mesh connectivity on the network
- C. IPsec encryption is not supported with static addressed spokes
- D. It uses NHRP to create a mapping database of spoke addresses
- E. It supports dynamic addresses for spokes in a hub-and-spoke VPN topology

Answer: DE

NEW QUESTION 521

Refer to exhibit.

OI 2001:DB8:0:7::/64 [110/20]

via FE80::A8BB:CCFF:FE00:6F00, Ethernet0/0 OI 2001:DB8:0:8::/64 [110/100]

via FE80::A8BB:CCFF:FE00:6F00, Ethernet0/0 OI 2001:DB8:0:9::/64 [110/20]

When summarizing these routes, which route is the summarized route? via FE80::A8BB:CCFF:FE00:6F00, Ethernet0/0

- A. OI 2001:DB8::/48 [110/100] via FE80::A8BB:CCFF:FE00:6F00, Ethernet0/0
- B. OI 2001:DB8::/24 [110/100] via FE80::A8BB:CCFF:FE00:6F00, Ethernet0/0
- C. OI 2001:DB8::/32 [110/100] via FE80::A8BB:CCFF:FE00:6F00, Ethernet0/0
- D. OI 2001:DB8::/64 [110/100] via FE80::A8BB:CCFF:FE00:6F00, Ethernet0/0

Answer: A

NEW QUESTION 526

Refer to the exhibit.

```
R1
interface Loopback0
    ip address 172.16.1.1 255.255.255.255
interface FastEthernet0/0
    ip address 192.168.10.33 255.255.255.224
router eigrp 100
    eigrp router-id 172.16.1.1
    no auto-summary
    network 192.168.10.0
    network 172.16.0.0

R2
interface Loopback0
    ip address 172.16.2.2 255.255.255.255
interface FastEthernet0/0
    ip address 192.168.10.17 255.255.255.240
router eigrp 100
    eigrp router-id 172.16.2.2
    network 192.168.10.0
    network 172.16.0.0
```

R1 and R2 are unable to establish an EIGRP adjacency. Which action corrects the problem?

- A. Change the EIGRP router-id value on one of the routers so that the values on the two routers are different.
- B. Add the no auto-summary command to the R2 configuration so that it matches the R1 configuration.
- C. Change the autonomous system number on one of the routers so that each router has different values.
- D. Chang the IP address and subnet mask on R2 so that it is on the same subnet as R1.

Answer: D

NEW QUESTION 529

When implementing OSPFv3, which statement describes the configuration of OSPF areas?

- A. In interface configuration mode, the OSPFv3 area ID combination assigns interfaces to OSPFv3 areas.
- B. In router configuration mode, the network wildcard area ID combination assigns networks to OSPFv3 areas.
- C. In interface configuration mode, the IPv6 OSPF process area ID combination assigns interfaces to OSPFv3 areas.
- D. In router configuration mode, the IPv6 OSPF interface area ID combination assigns interfaces to OSPFv3 areas.

Answer: C

NEW QUESTION 533

Which two statements about NetFlow templates are true? (Choose two)

- A. Only NetFlow version 5 is template-based.
- B. Templates can increase bandwidth usage
- C. NetFlow version 5 and version 9 are template-based
- D. Only NetFlow version 9 is template-based
- E. They can increase overall performance
- F. They can reduce bandwidth usage

Answer: BD

NEW QUESTION 536

Which command is implemented to display log messages with a timestamp that includes the length of time since the device was last rebooted?

- A. service timestamps log datetime msec
- B. logging facility 20
- C. service timestamps debugging localtim
- D. logging monitor 7
- E. service timestamps log uptime

Answer: E

NEW QUESTION 539

How can you minimize unicast flooding in a network?

- A. Configure HSRP on two routers, with one subnet preferred on the first router and different subnet preferred on the second router.
- B. Set the router's ARP timeout value to be the same as the timeout value for Layer forwarding table entries.
- C. Set the router's ARP timeout value to greater than the timeout value for Layer 2 forwarding table entries.
- D. Set the router's ARP timeout value to less than the timeout value for Layer 2 forwarding table entries.

Answer: B

NEW QUESTION 541

Which command is used to check IP SLA when an interface is suspected to receive lots of traffic with options?

- A. show track
- B. show threshold
- C. show timer
- D. show delay

Answer: A

NEW QUESTION 546

Drag and Drop the AAA features from the left onto the correct description on the right Select and Place:

Accounting	challenge and response operation
Authentication	feature that logs network usage
Authorization	authentication method that uses TCP
RADIUS	authentication method that uses UDP
TACACS+	controls specific access privileges of a user

nneettwwrrookkiinngg

Answer:

Explanation:

Accounting	Authentication
Authentication	Accounting
Authorization	TACACS+
RADIUS	RADIUS
TACACS+	Authorization

nneettwwrrookkiinngg

NEW QUESTION 551

A user is attempting to authentication on the device connected to a TACACS+ server but the server require more information from the user to complete authentication. Which response does the TACACS+ daemon return?

- A. ACCEPT
- B. ERROR
- C. REJECT
- D. CONTINUE

Answer: D

NEW QUESTION 553

Where must a network engineer configure the ip helper-address command on a router?

- A. On the interface that will receive the broadcast
- B. On the interface that is closest to the destination DHCP server
- C. On the global configuration mode
- D. On the DHCP configuration

Answer: A

NEW QUESTION 556

What attribute is used to influence traffic from AS200 and AS300 so that it uses link1 to reach AS100.

- A. MED
- B. AS_path
- C. weight
- D. local preference

Answer: A

NEW QUESTION 558

Which access list entry checks for an ACK within a packet TCP header?

- A. access-list 49 permit ip any any eq 21 tcp-ack
- B. access-list 149 permit tcp any any eq 21 established
- C. access-list 49 permit tcp anyany eq 21 tcp-ack
- D. access-list 49 permit tcp any any eq 21 established

Answer: B

NEW QUESTION 560

Which issue is important to address when integrating two networks with different routing protocols?

- A. preventing UDP starvation
- B. handing IPv4 fragmentation
- C. controlling unicast flooding
- D. mitigating UDP latency
- E. preventing asymmetric routing

Answer: E

NEW QUESTION 562

WHICH COMMAND DO YOU ENTER ON ROUTER R6 SO THAT BGP SUPPORTS MULTIPLE PROTOCOLS?

- A. R6(config-router-af)#bgp additional-path install
- B. R6(Config-router)#no address-family ipv6 unicast
- C. R6(config-router)#no bgp default ipv4-multicast
- D. R6(confi-router)#bgp default ipv4-multicast

Answer: B

NEW QUESTION 564

Congestion in the network. What is the effect on UDP?

- A. Sender will have to buffer more data..
- B. Receiver will have to buffer more dat
- C. Before sending packets to higher layers
- D. There will be latency
- E. x

Answer: C

NEW QUESTION 569

Company is deploying a multicast application that must be accessible between sites, but must not be accessible outside of the organization Based on

- A. FF00:/16
- B. FFOE:/16
- C. FF02:/16
- D. FF08:/16

Answer: C

NEW QUESTION 570

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