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QUESTIONS AND ANSWERS

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Dumps Questions sy0-601

Exam Name: CompTIA Security+ 2021

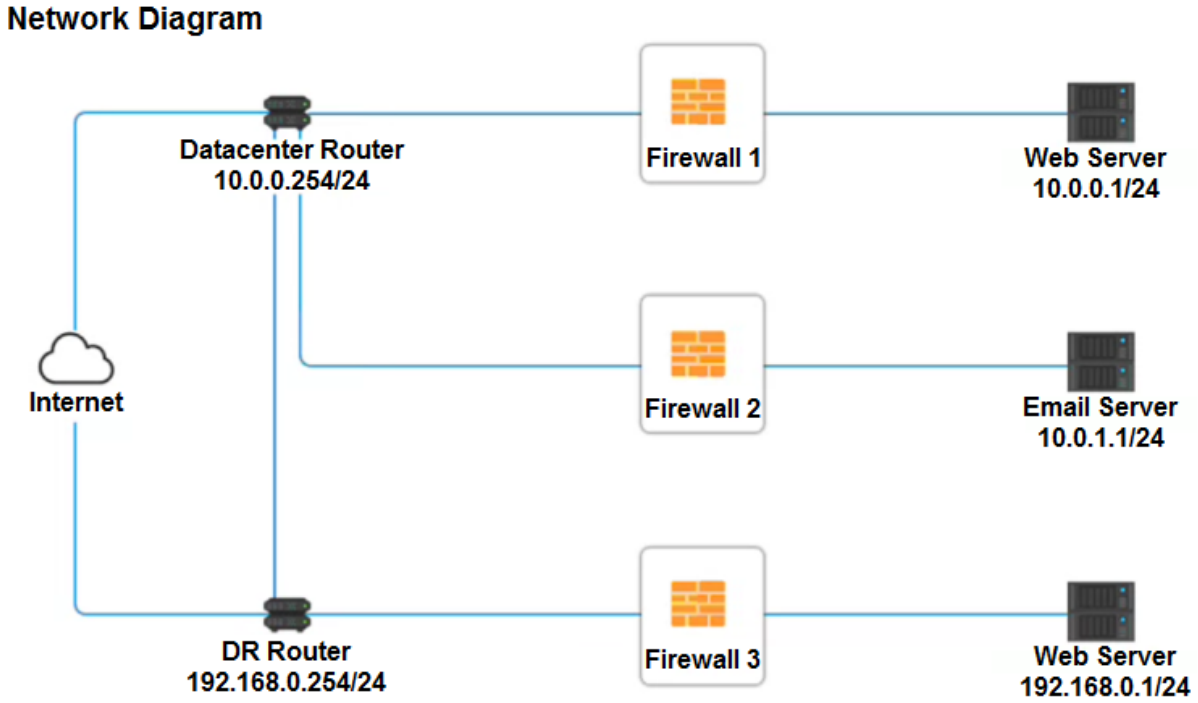
Certification Provider: CompTIA

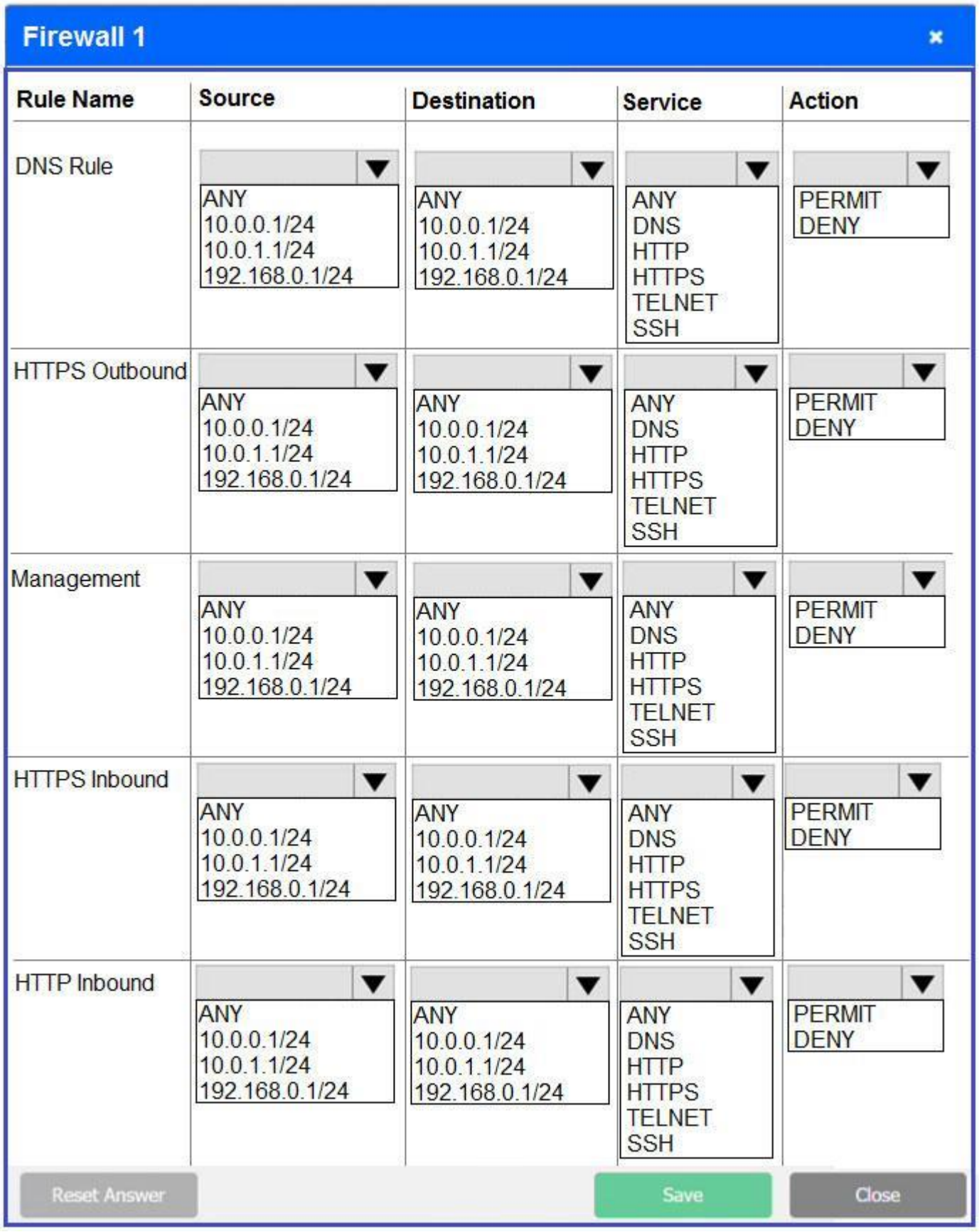
Exam: CompTIA Security+ 2021

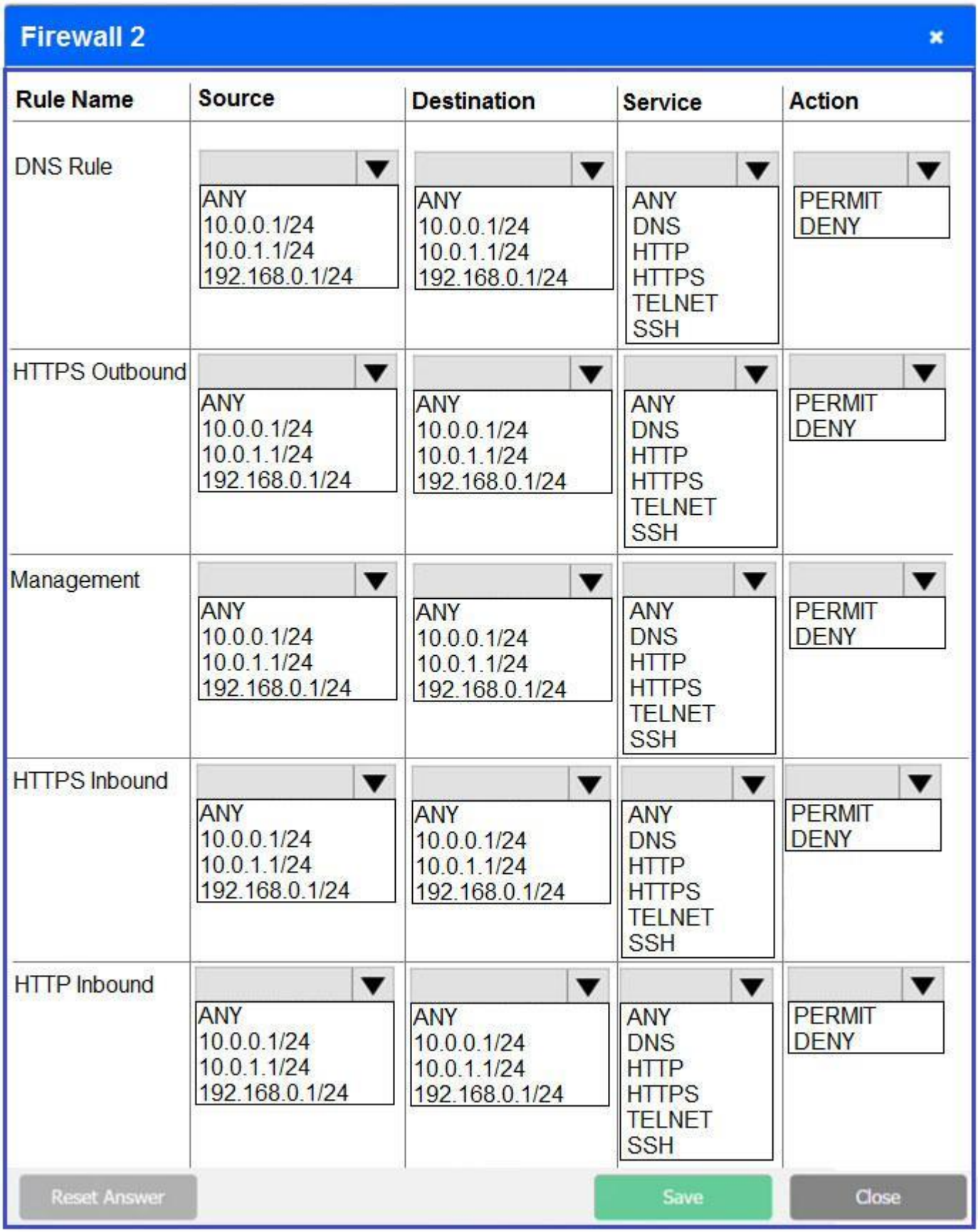
Question #1

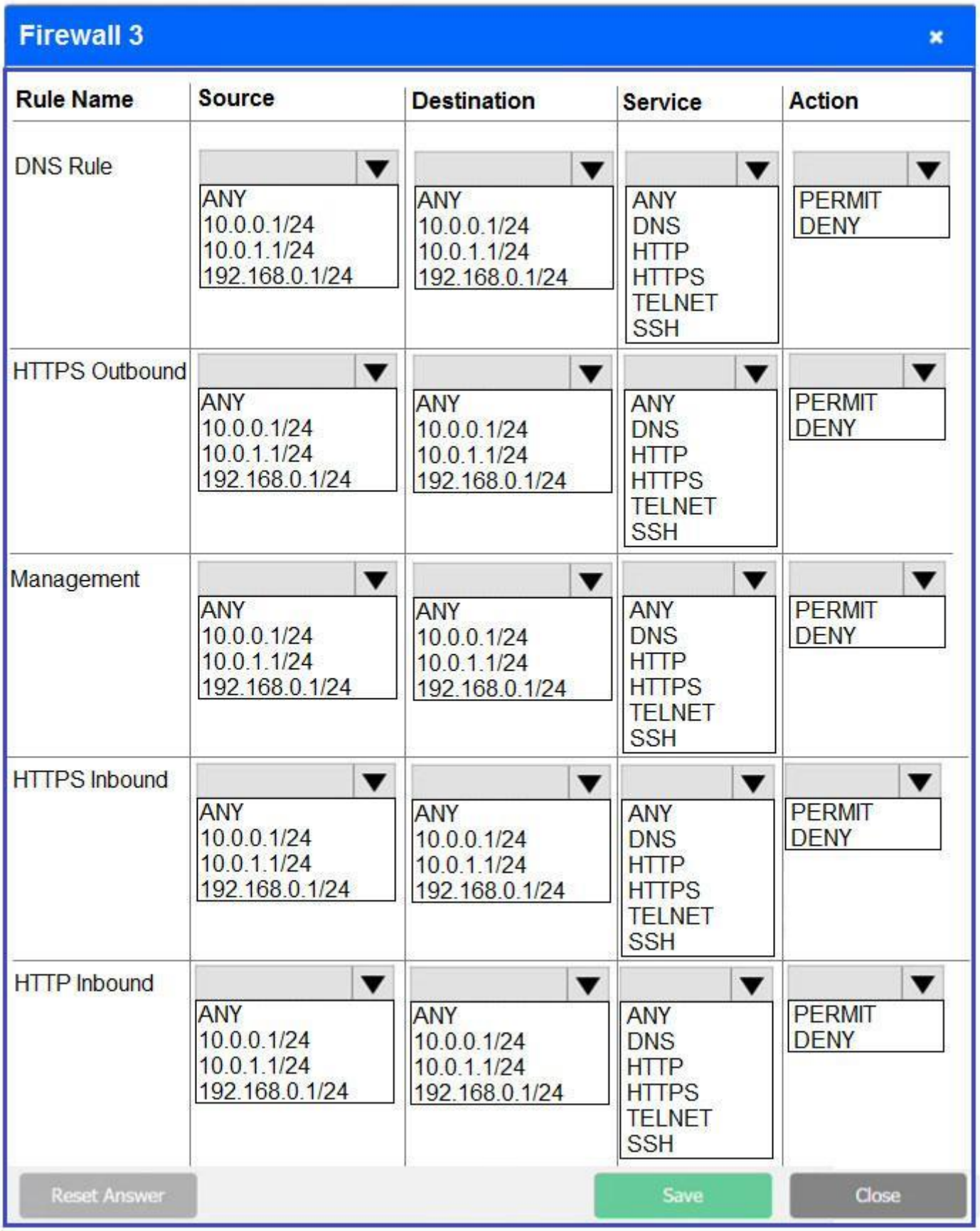
SIMULATION -
A company recently added a DR site and is redesigning the network. Users at the DR site are having issues browsing websites.

INSTRUCTIONS -
Click on each firewall to do the following:
1. Deny cleartext web traffic.
2. Ensure secure management protocols are used.
3. Resolve issues at the DR site.
The ruleset order cannot be modified due to outside constraints.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.




Firewall 1
Rule Name
Source
Destination
Service
Action
DNS Rule
HTTPS Outbound
Management
HTTPS Inbound
HTTP Inbound
ANY
10.0.0.1/24
10.0.1.1/24
192.168.0.1/24
ANY
DNS
HTTP
HTTPS
TELNET
SSH
PERMIT
DENY
Reset Answer
Save
Close


Firewall 2
Rule Name
Source
Destination
Service
Action
DNS Rule
HTTPS Outbound
Management
HTTPS Inbound
HTTP Inbound
ANY
10.0.0.1/24
10.0.1.1/24
192.168.0.1/24
ANY
DNS
HTTP
HTTPS
TELNET
SSH
PERMIT
DENY
Reset Answer
Save
Close



Correct Answer: See explanation below.

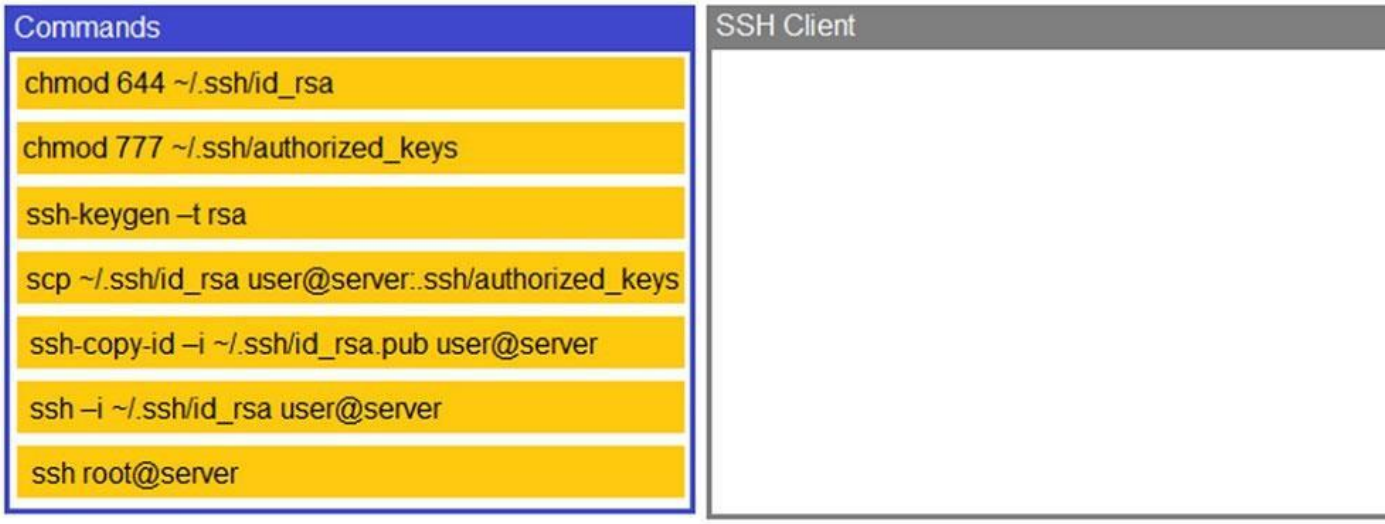
Firewall 1:

DNS Rule "" ANY --> ANY --> DNS --> PERMIT
HTTPS Outbound "" 10.0.0.1/24 --> ANY --> HTTPS --> PERMIT
Management "" ANY --> ANY --> SSH --> PERMIT
HTTPS Inbound "" ANY --> ANY --> HTTPS --> PERMIT
HTTP Inbound "" ANY --> ANY --> HTTP --> DENY
Firewall 2: No changes should be made to this firewall
Firewall 3:
DNS Rule "" ANY --> ANY --> DNS --> PERMIT
HTTPS Outbound "" 192.168.0.1/24 --> ANY --> HTTPS --> PERMIT
Management "" ANY --> ANY --> SSH --> PERMIT
HTTPS Inbound "" ANY --> ANY --> HTTPS --> PERMIT
HTTP Inbound "" ANY --> ANY --> HTTP --> DENY

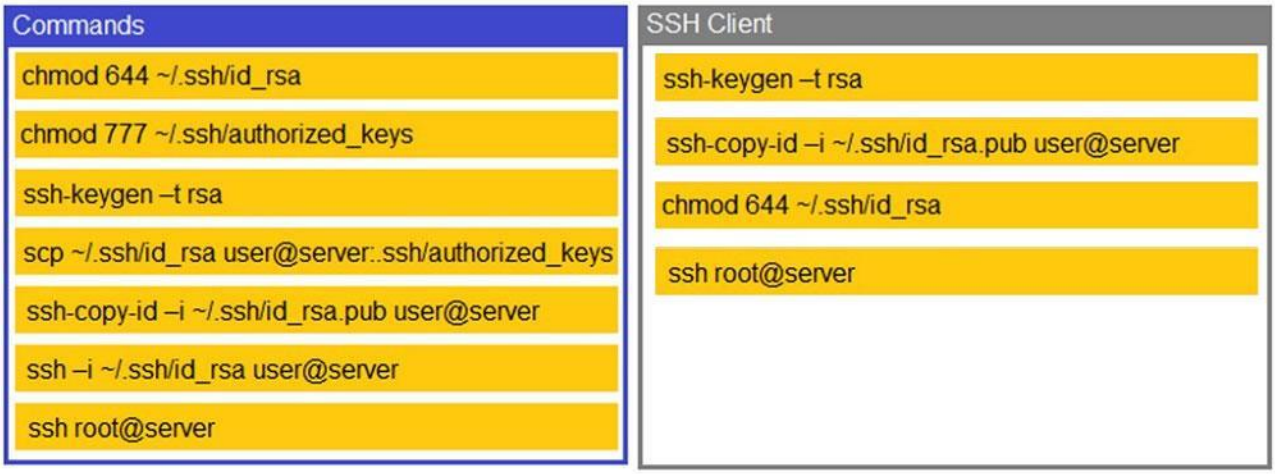
Question #2

DRAG DROP -
A security engineer is setting up passwordless authentication for the first time.

INSTRUCTIONS -
Use the minimum set of commands to set this up and verify that it works. Commands cannot be reused.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.
Select and Place:



Correct
Answer:



Question #3

HOTSPOT -
Select the appropriate attack and remediation from each drop-down list to label the corresponding attack with its remediation.

INSTRUCTIONS -
Not all attacks and remediation actions will be used.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

Hot Area:

Attack Description	Target	Attack Identified	BEST Preventative or Remediation Action
An attacker sends multiple SYN packets from multiple sources.	Web server	Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing	Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attack establishes a connection, which allows remote commands to be executed.	User	Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing	Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attack is self propagating and compromises a SQL database using well-known credentials as it moves through the network.	Database server	Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing	Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attacker uses hardware to remotely monitor a user's input activity to harvest credentials.	Executive	Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing	Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attacker embeds hidden access in an internally developed application that bypasses account login.	Application	Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing	Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services

Correct
Answer:

Attack Description	Target	Attack Identified	BEST Preventative or Remediation Action
An attacker sends multiple SYN packets from multiple sources.	Web server	Botnet	Enable DDoS protection
The attack establishes a connection, which allows remote commands to be executed.	User	RAT	Implement a host-based IPS
The attack is self propagating and compromises a SQL database using well-known credentials as it moves through the network.	Database server	Worm	Change the default application password
The attacker uses hardware to remotely monitor a user's input activity to harvest credentials.	Executive	Keylogger	Disable vulnerable services
The attacker embeds hidden access in an internally developed application that bypasses account login.	Application	Backdoor	Implement 2FA using push notification

Botnet
RAT
Logic Bomb
Backdoor
Virus
Spyware
Worm
Adware
Ransomware
Keylogger
Phishing

Enable DDoS protection
Patch vulnerable systems
Disable vulnerable services
Change the default system password
Update the cryptographic algorithms
Change the default application password
Implement 2FA using push notification
Conduct a code review
Implement application fuzzing
Implement a host-based IPS
Disable remote access services