**Firewall Assignment**

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**Exercise 1**

1. v1.8.4

2. a.

A screenshot of a computer program

Description automatically generated

A close-up of a computer code

Description automatically generated

b. 10 packets/840 bytes

A close-up of a computer code

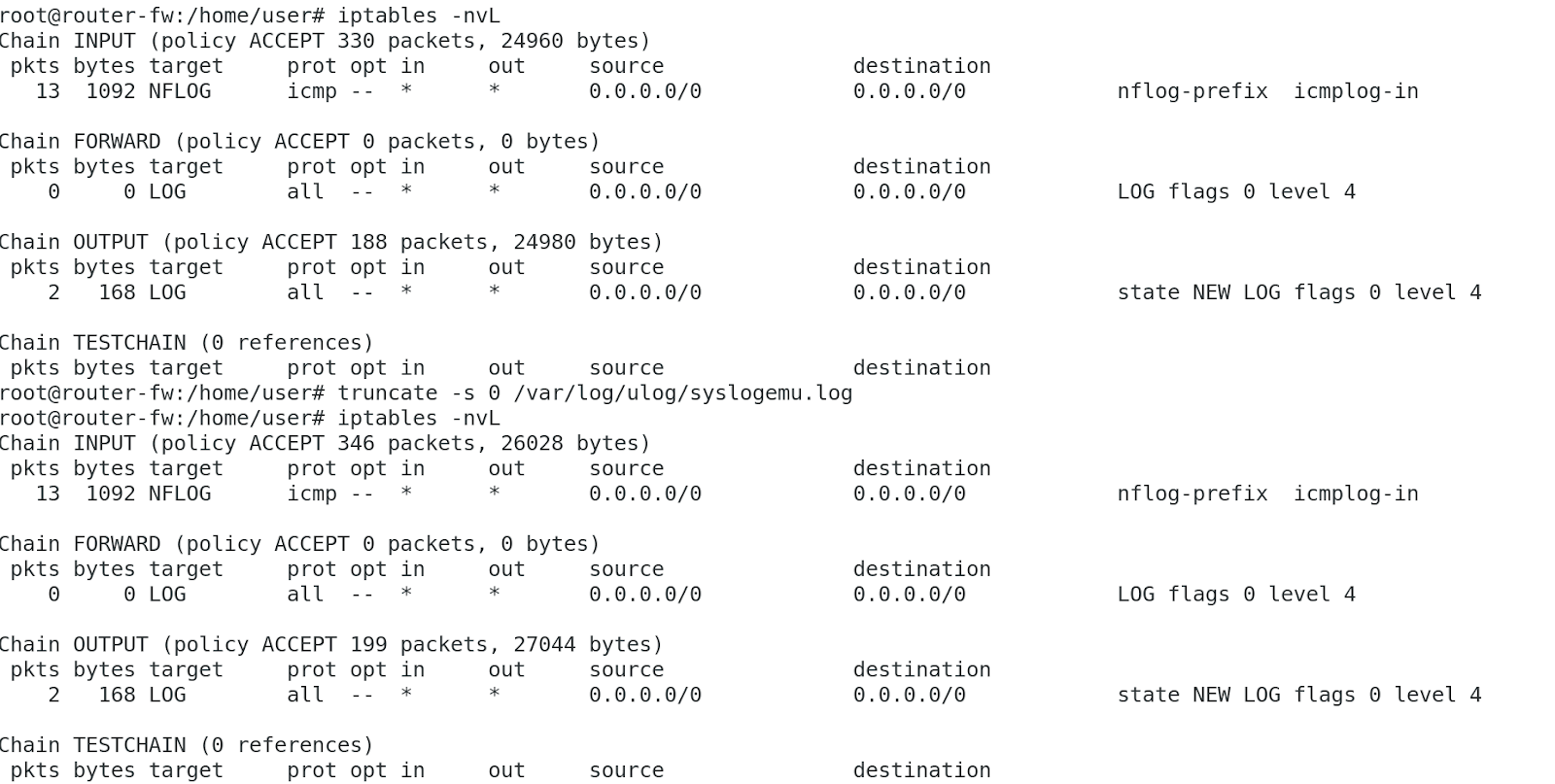
Description automatically generated

c. INBOUND traffic because the ping request we sent is coming back as response.

A grid of black and white squares

Description automatically generated with medium confidence

d.



because we added an input rule and did ping which logged the input traffic. Only one command is sent by us as output so that was logged as 2, since we did ping twice.

e.

A screenshot of a computer

Description automatically generated

3. a.

A screenshot of a computer

Description automatically generated

b.

A screenshot of a computer program

Description automatically generated

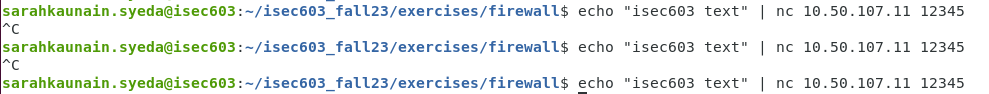
c.

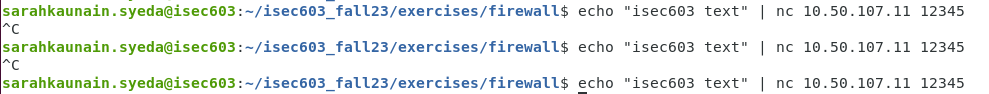
A screenshot of a computer program

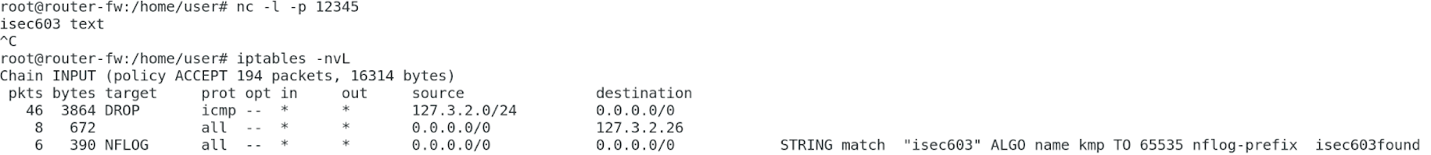
Description automatically generated

4. A. iptables -A INPUT -m string --algo kmp --string "isec603" -j NFLOG --nflog-prefix "isec603found"

B. 

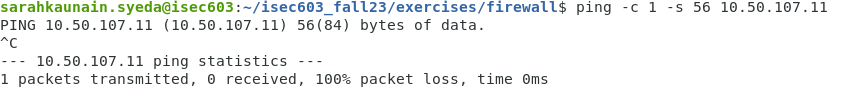
C. 



D. 

5.

1. iptables -A INPUT -p ICMP -m length --length 84 -j DROP



A close-up of a number

Description automatically generated

**Exercise 2**