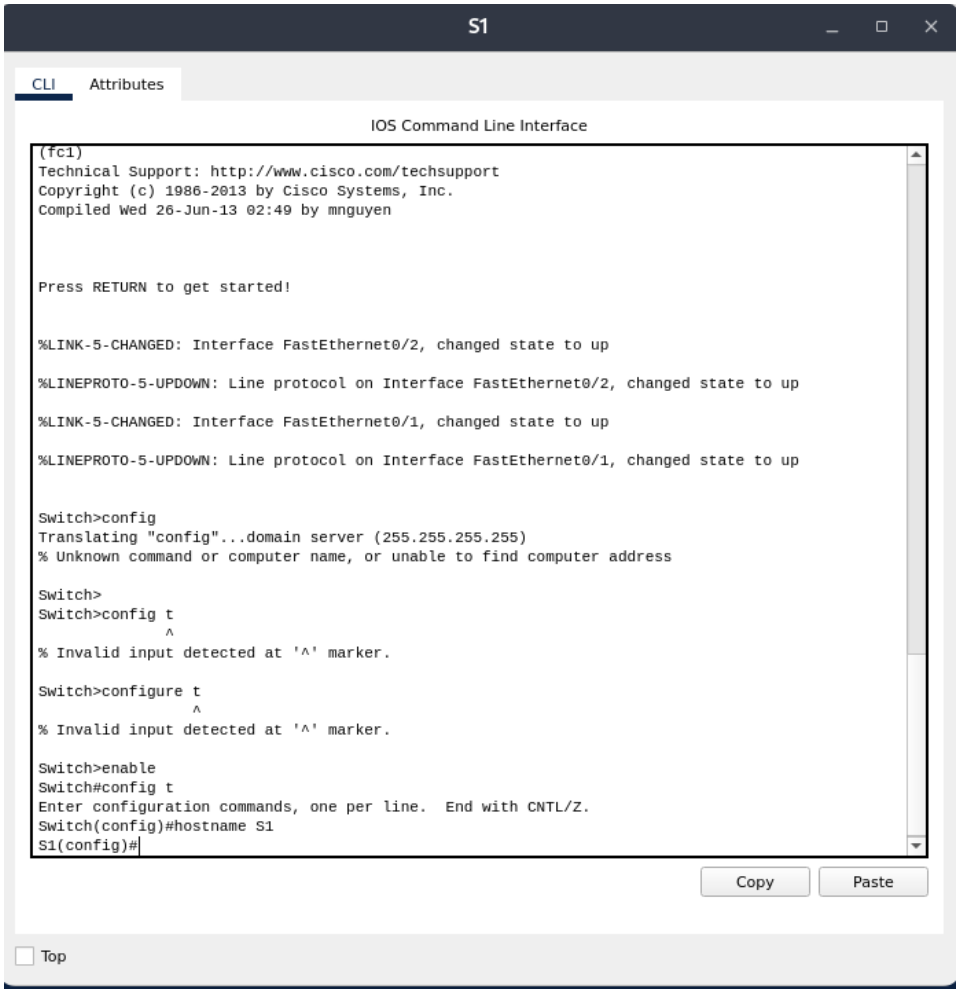
Modulo # 2 – Laboratorio # 4 : Implementacion de Conexion Basica.

Parte 1.

a. Haga clic en S1 y luego en la pestaña CLI.

b. Ingrese el comando correcto para configurar el nombre de host como S1.



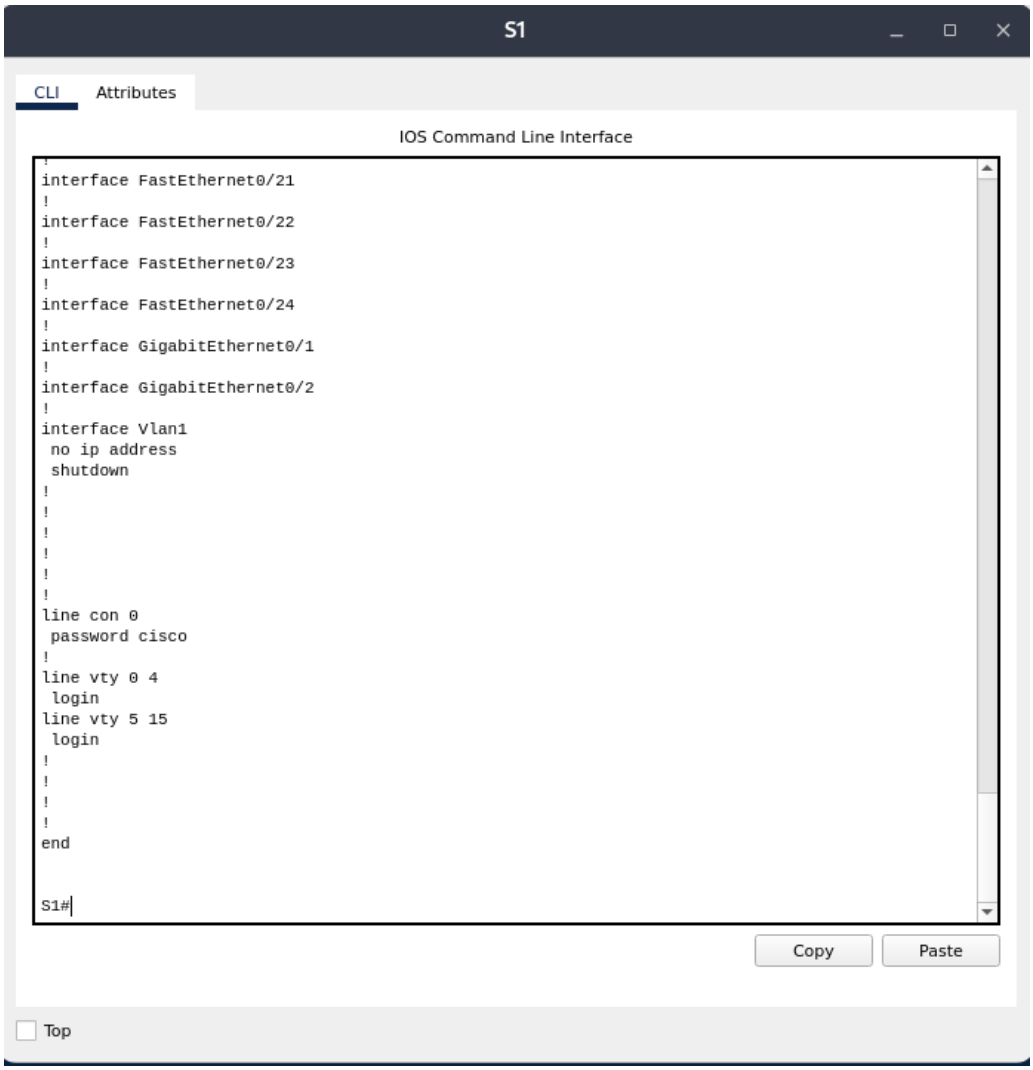
Parte 2.

a. Use cisco como la contraseña de la consola.
b. Use class para la contraseña del modo EXEC privilegiado.

Parte 3.

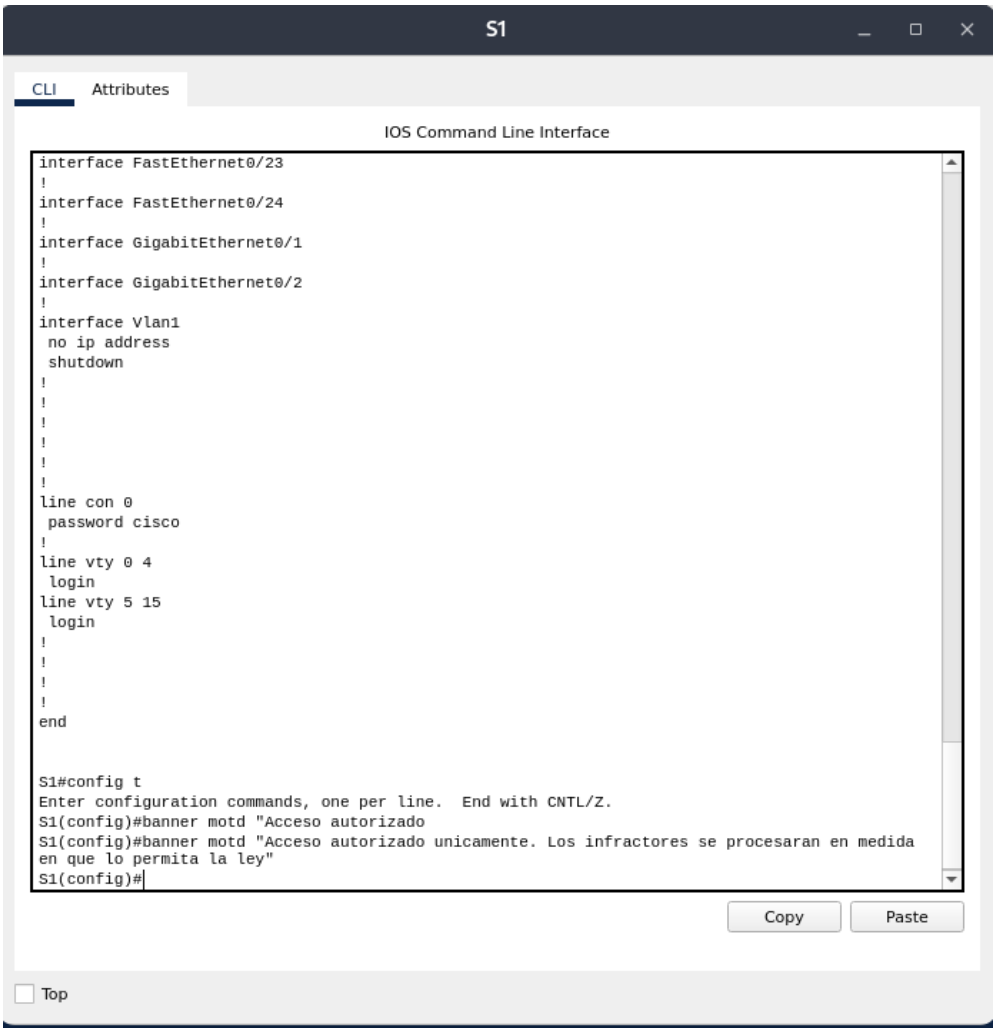
Cómo puede verificar que ambas contraseñas se hayan configurado correctamente?

R/ Utilizando el comando show run.



Parte 4.

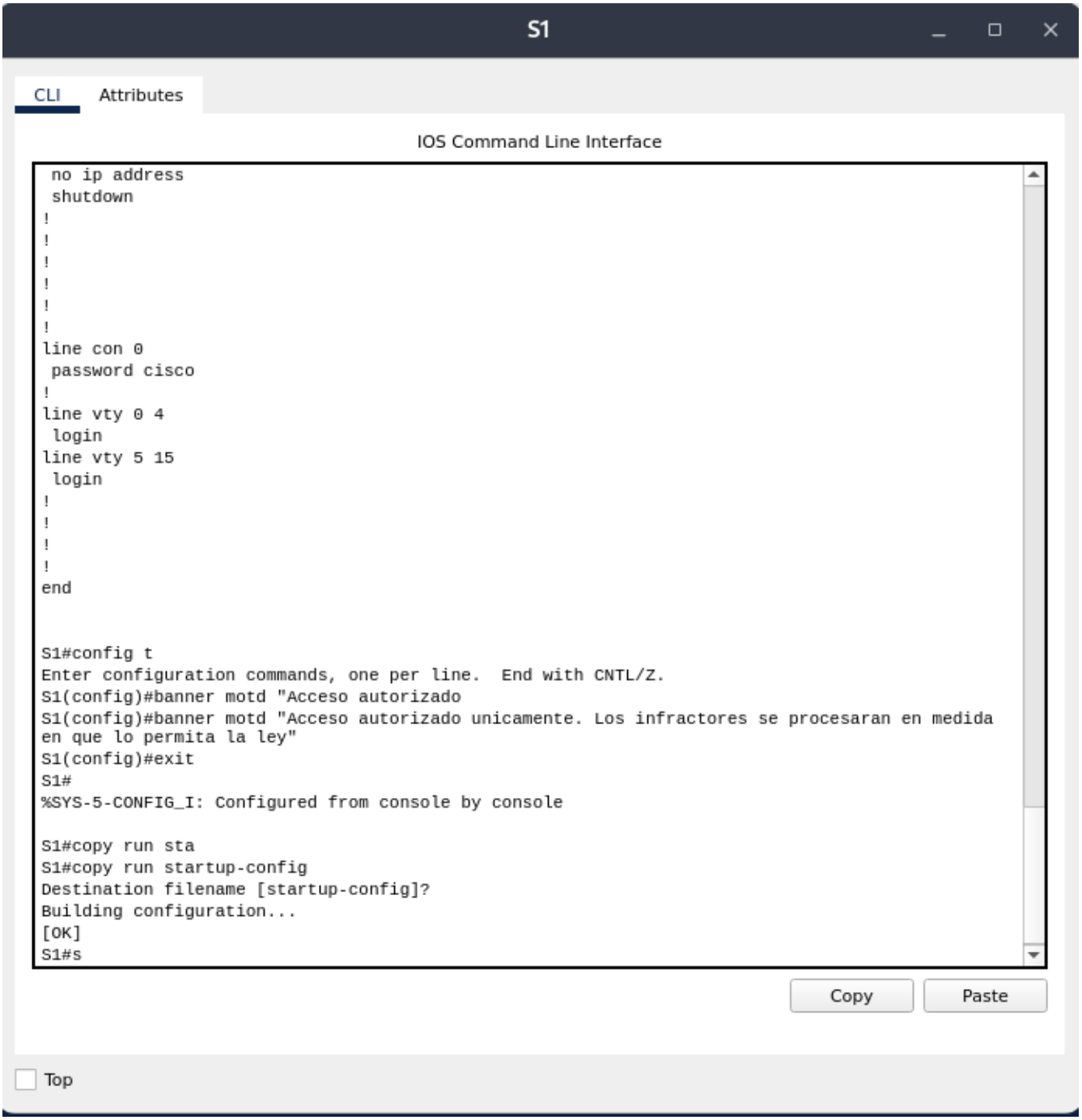
Utilice un texto de aviso adecuado para advertir contra el acceso no autorizado. El siguiente texto es un
ejemplo:
Acceso autorizado únicamente. Los infractores se procesarán en la medida en que lo permita la ley.



Parte 5.

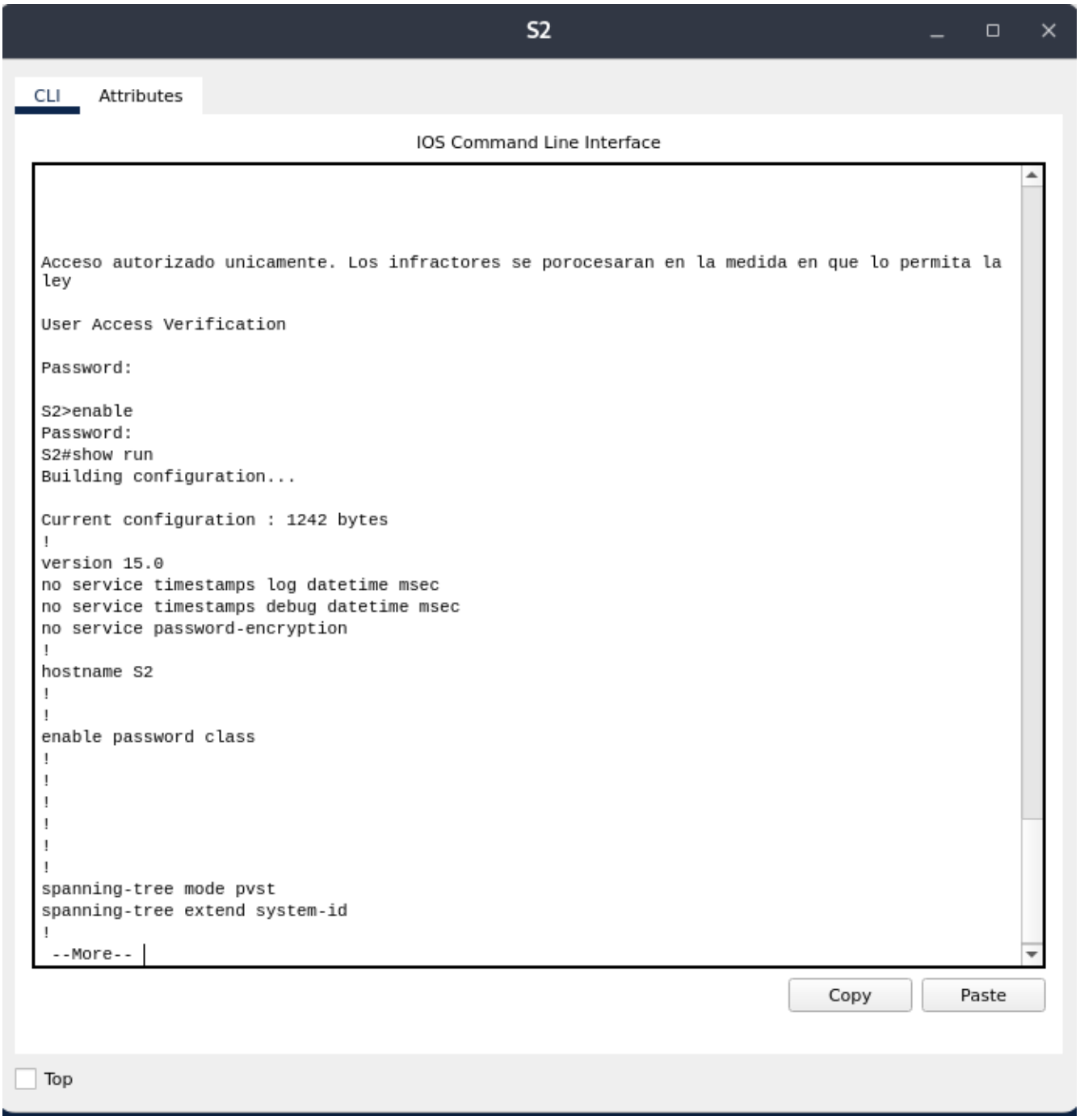
¿Qué comando emite para realizar este paso?

R/ El comando copy run startup-config.


S1
CLI
Attributes
IOS Command Line Interface
no ip address
shutdown
!
!
!
!
!
!
line con 0
password cisco
!
line vty 0 4
login
line vty 5 15
login
!
!
!
!
end
S1#config t
Enter configuration commands, one per line. End with CNTL/Z.
S1(config)#banner motd "Acceso autorizado
S1(config)#banner motd "Acceso autorizado unicamente. Los infractores se procesaran en medida en que lo permita la ley"
S1(config)#exit
S1#
%SYS-5-CONFIG_I: Configured from console by console
S1#copy run sta
S1#copy run startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
S1#s
Copy
Paste
Top

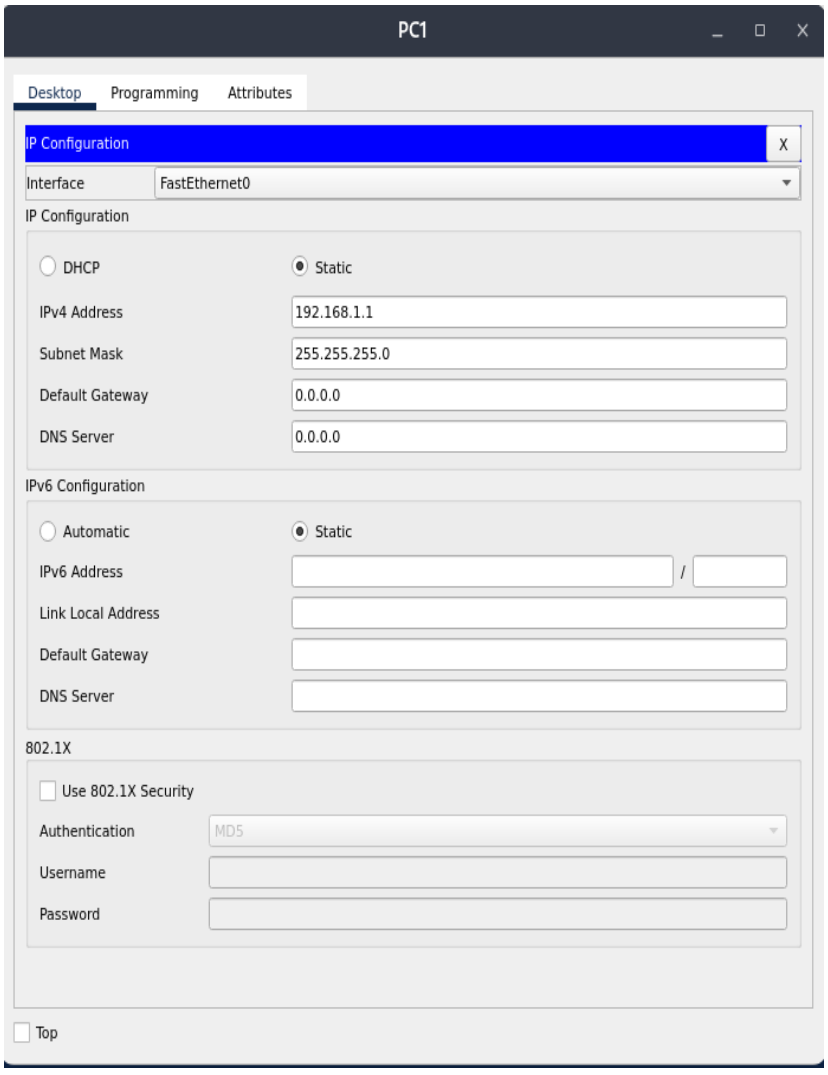
Parte 6.

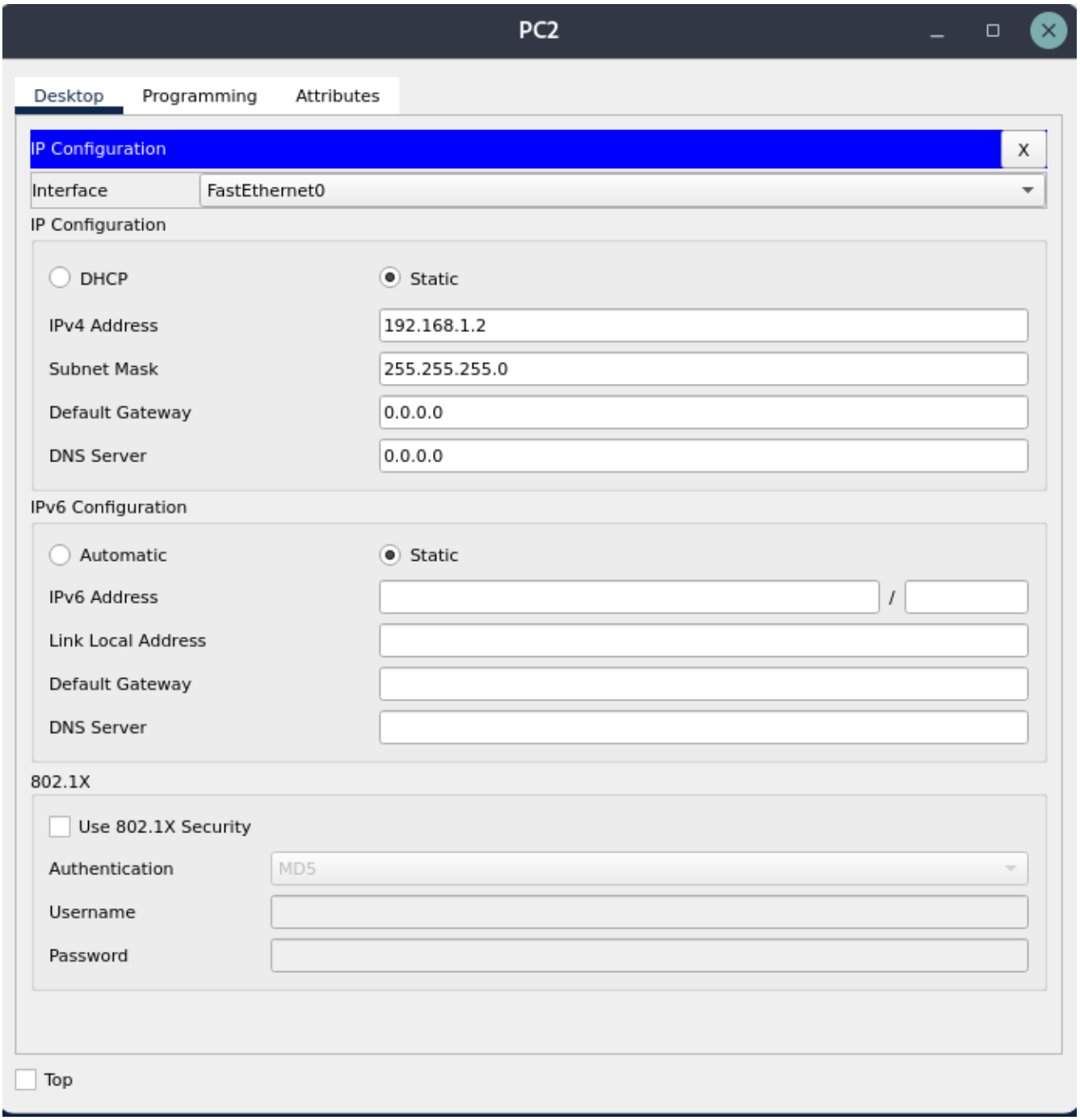
Misma configuracion para el Switch 2.



Parte 7.

a. Haga clic en PC1 y luego en la ficha Escritorio.
b. Haga clic en Configuración de IP. En la tabla de direccionamiento anterior, puede ver que la dirección IP
para la PC1 es 192.168.1.1 y la máscara de subred es 255.255.255.0. Introduzca esta información para
la PC1 en la ventana Configuración de IP.
c. Repita los pasos 1a y 1b para la PC2.

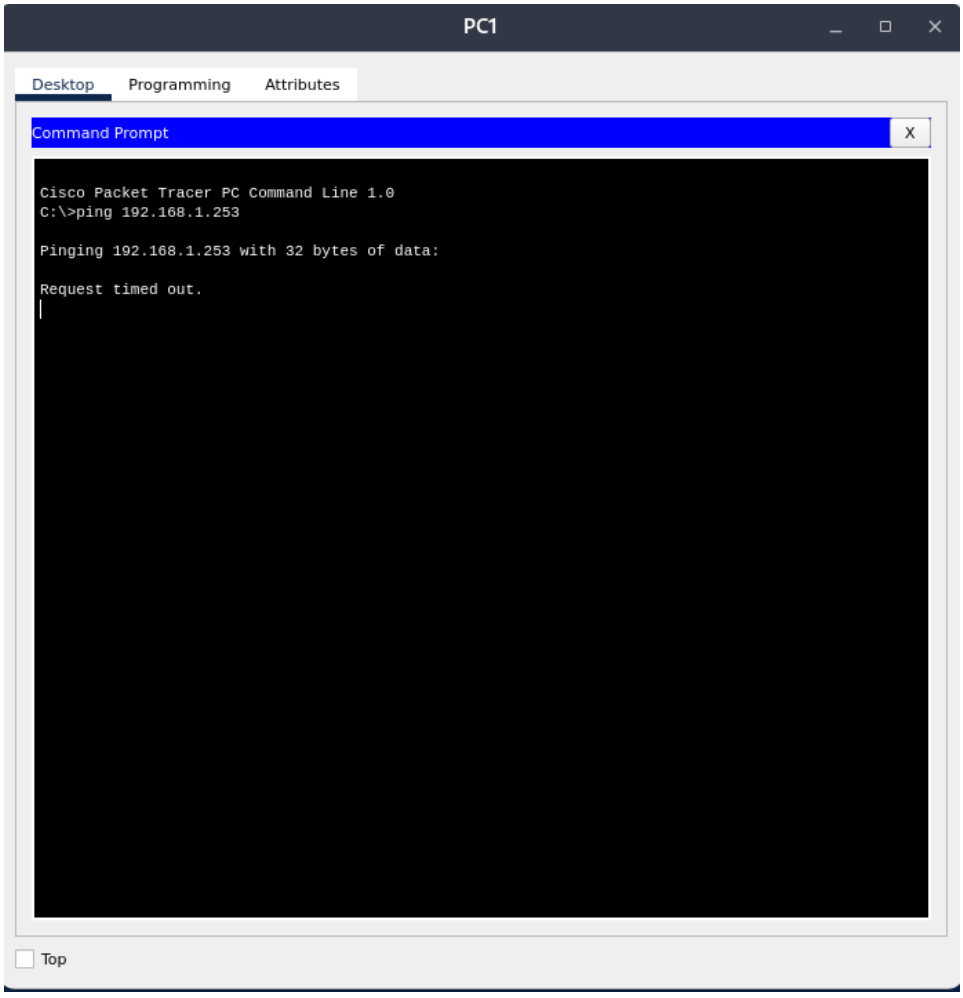



PC2
Desktop
Programming
Attributes
IP Configuration
X
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
192.168.1.2
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
/
Link Local Address
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top

Parte 8.

a. Haga clic en PC1. Cierre la ventana Configuración de IP si todavía está abierta. En la ficha Escritorio,
haga clic en Símbolo del sistema.
b. Escriba el comando ping y la dirección IP para S1 y presione Enter.
Packet Tracer PC Línea de comandos 1.0
PC> ping 192.168.1.253
Pregunta:
¿Tuvo éxito? Explique.

R/ No tuvo exito la operacion debido a que el Switch1 no tiene una direccion IP configurada.

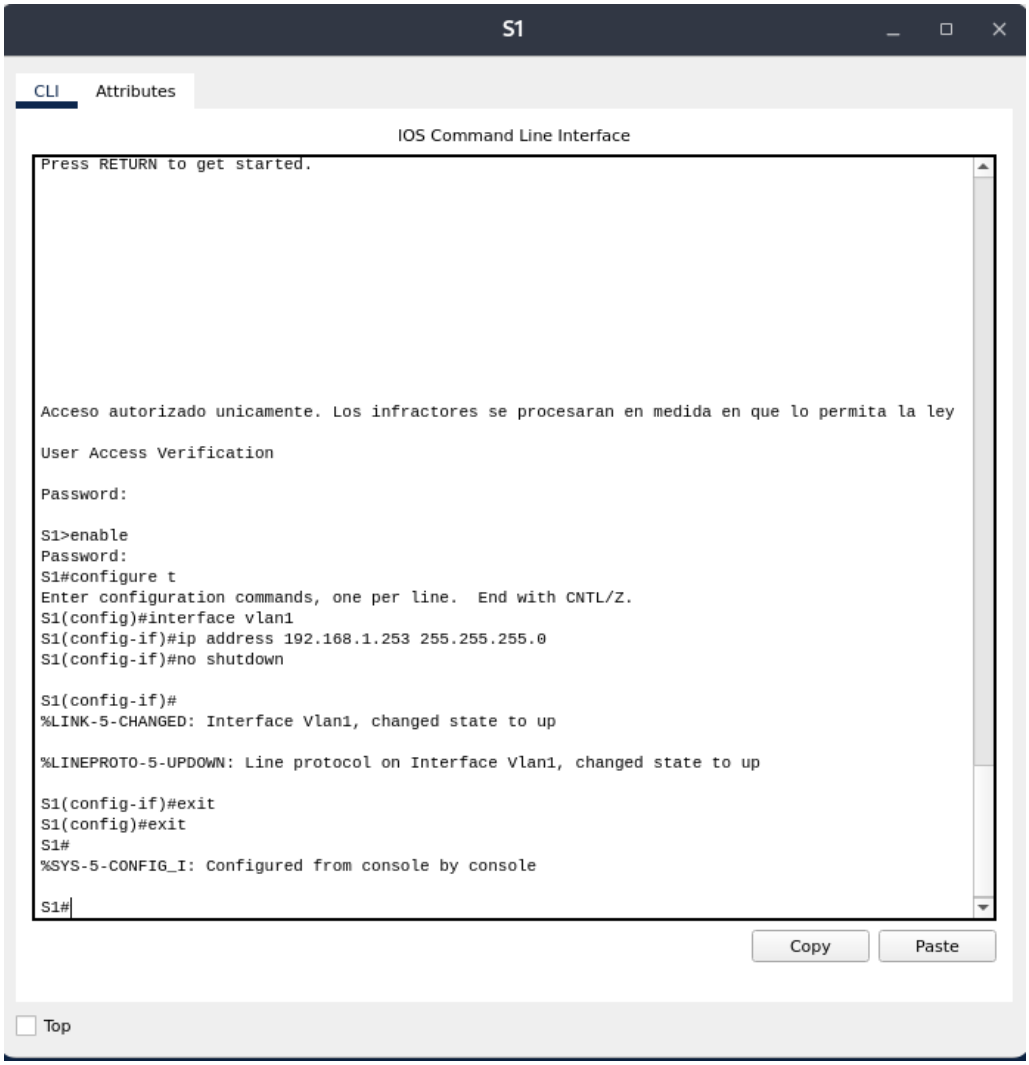


Parte 9.

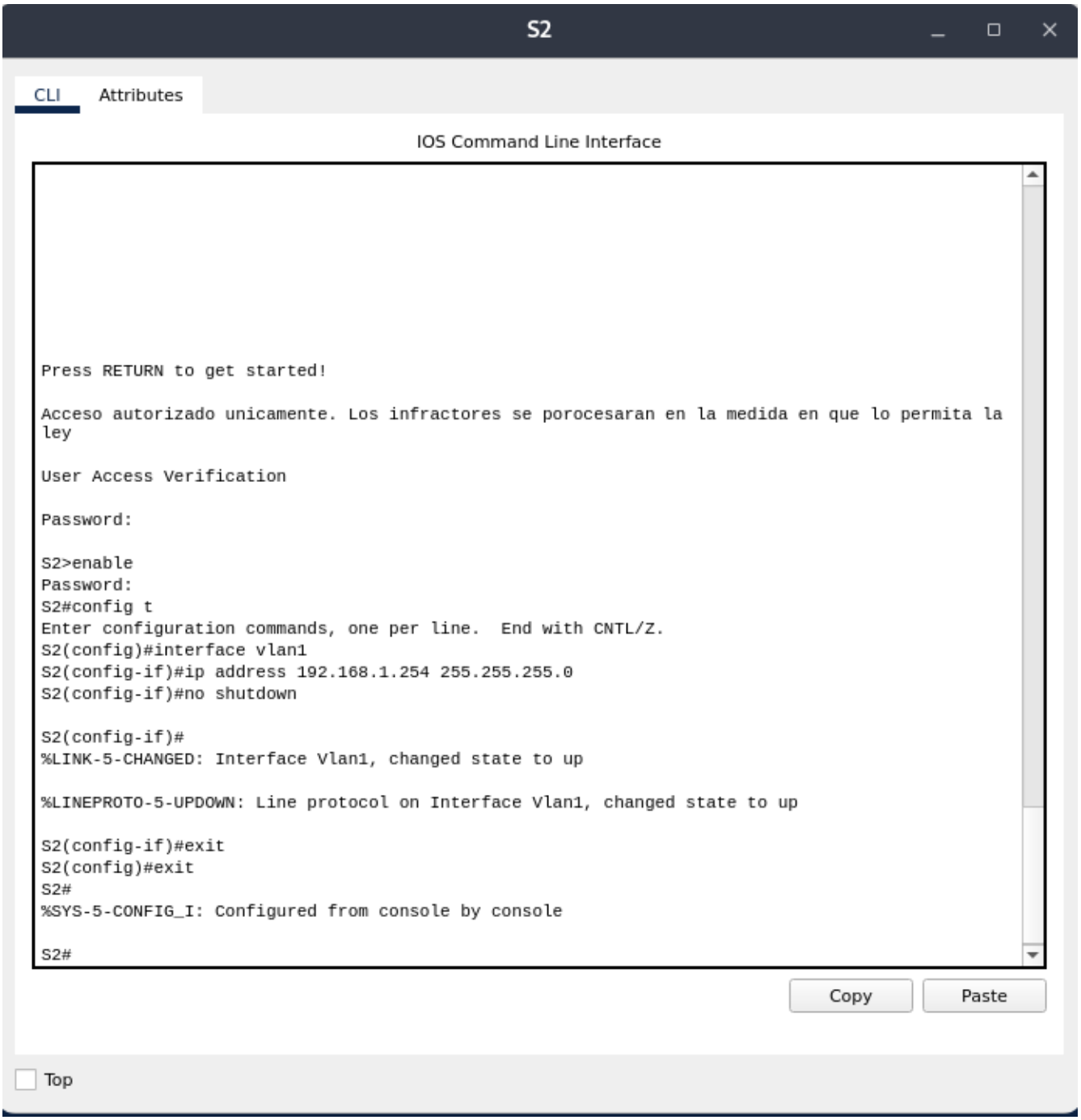
S1# configure terminal
Enter configuration commands, one per line. Finalice con CNTL/Z.
S1(config)# interface vlan 1
S1(config-if)# ip address 192.168.1.253 255.255.255.0
S1(config-if)# no shutdown
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up
S1(config-if)#
S1(config-if)# exit
S1

¿Por qué debe introducir el comando no shutdown?

R/ El no shutdown es al momento de salir el vlan1 se mantenga activo en todo el momento.

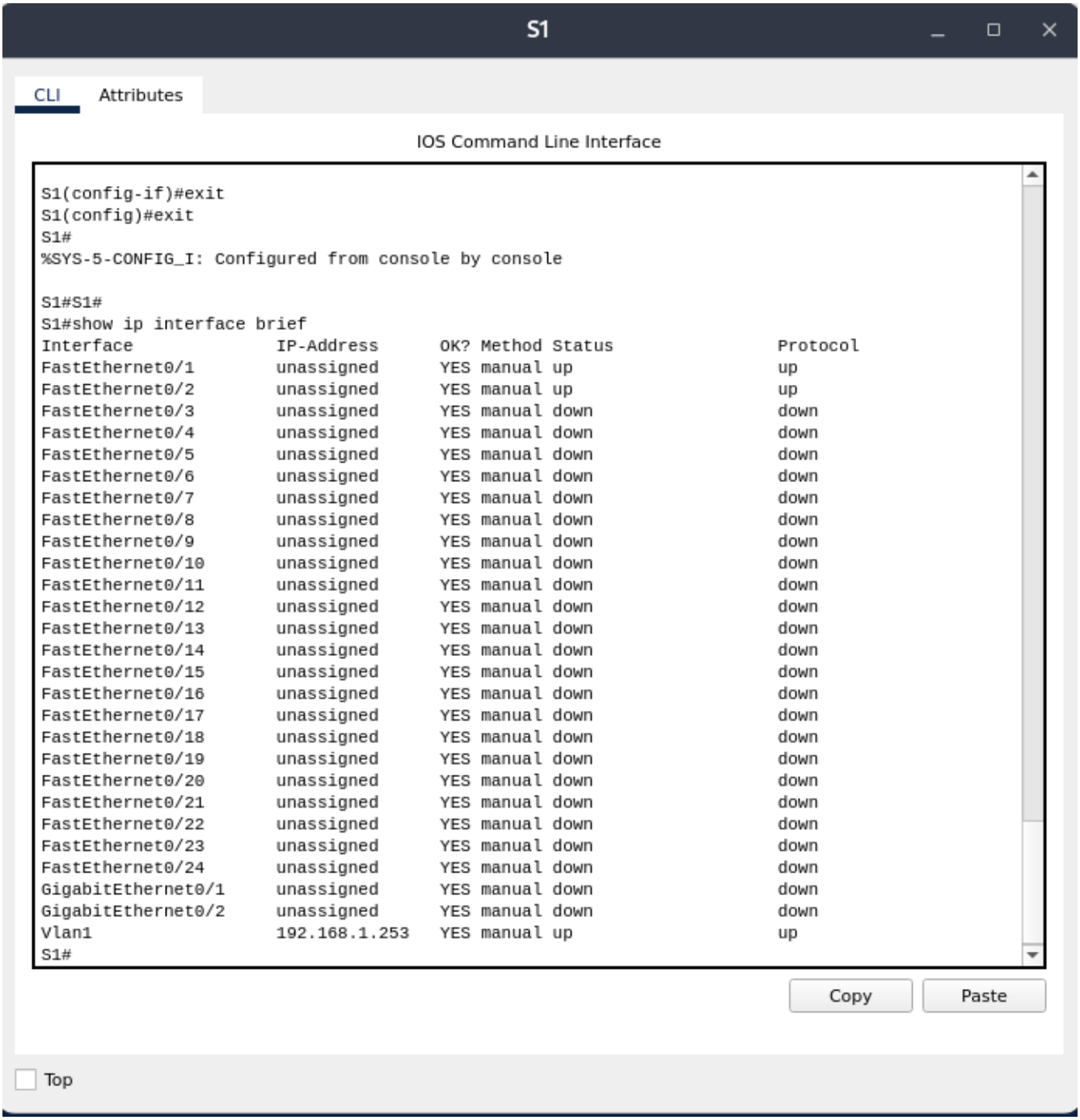


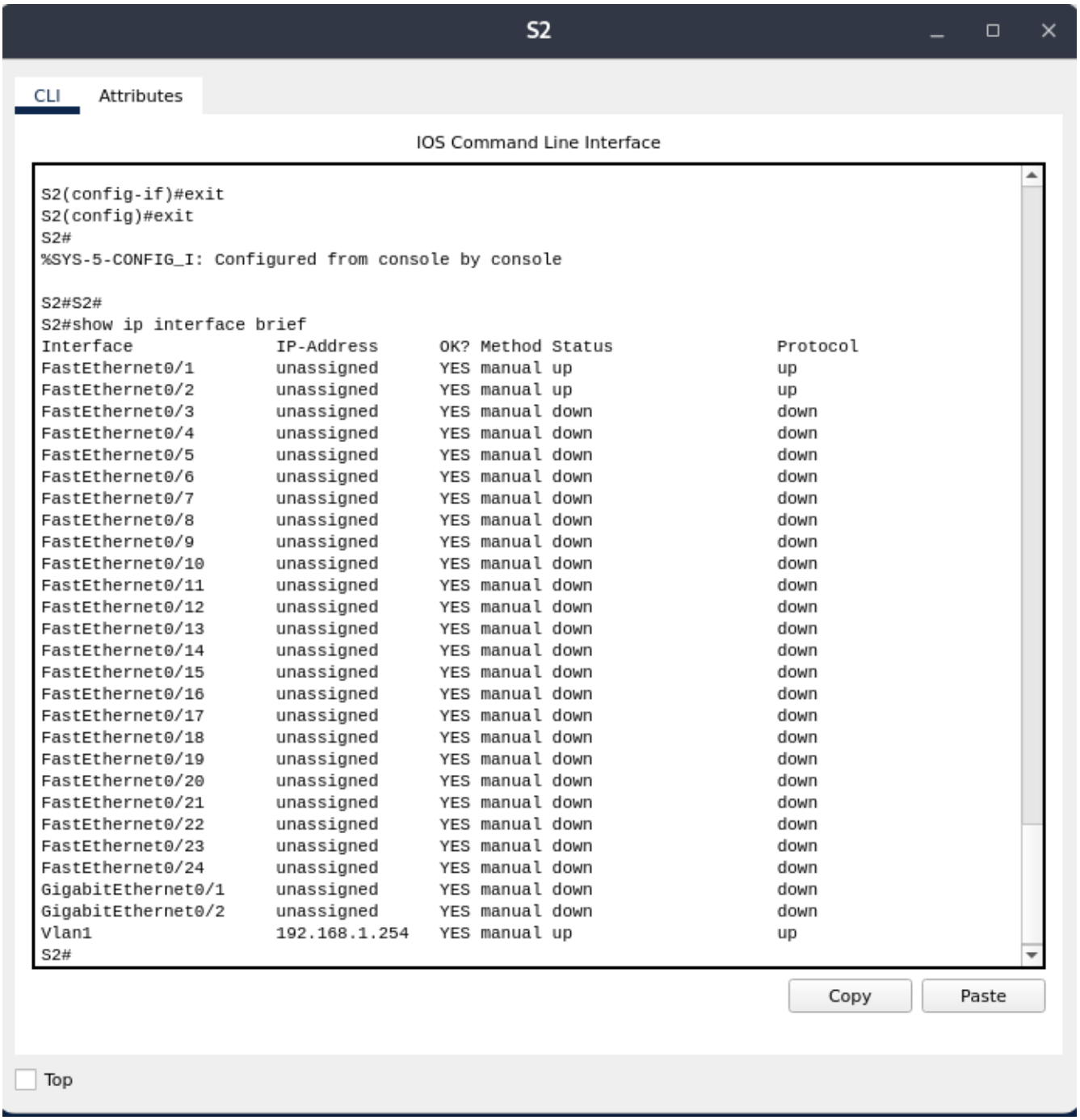
Lo mismo para el S2.



Parte 10.

Use el comando show ip interface brief para ver la dirección IP y el estado de todos los puertos y las
interfaces del switch. También puede utilizar el comando show running-config.

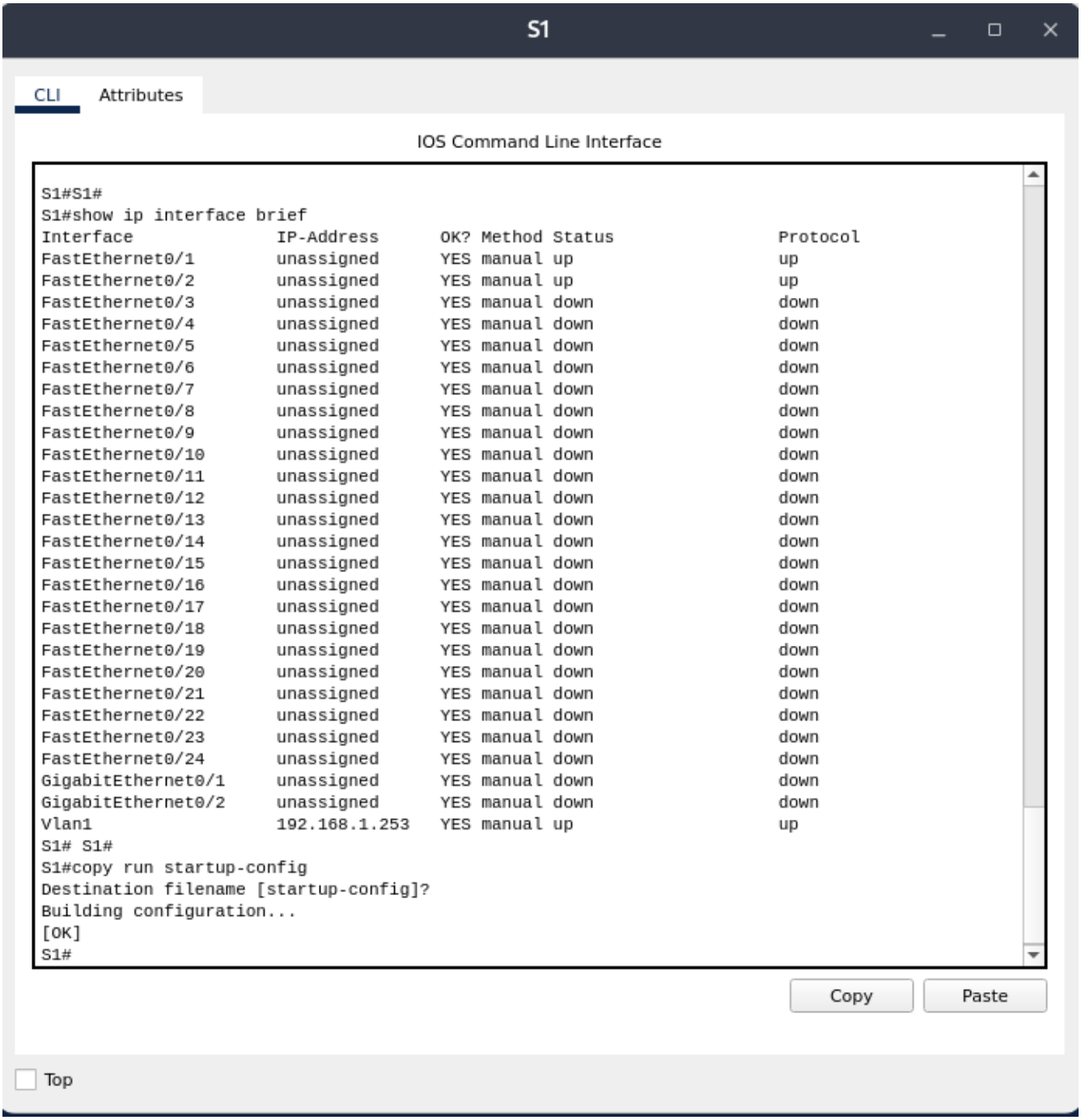


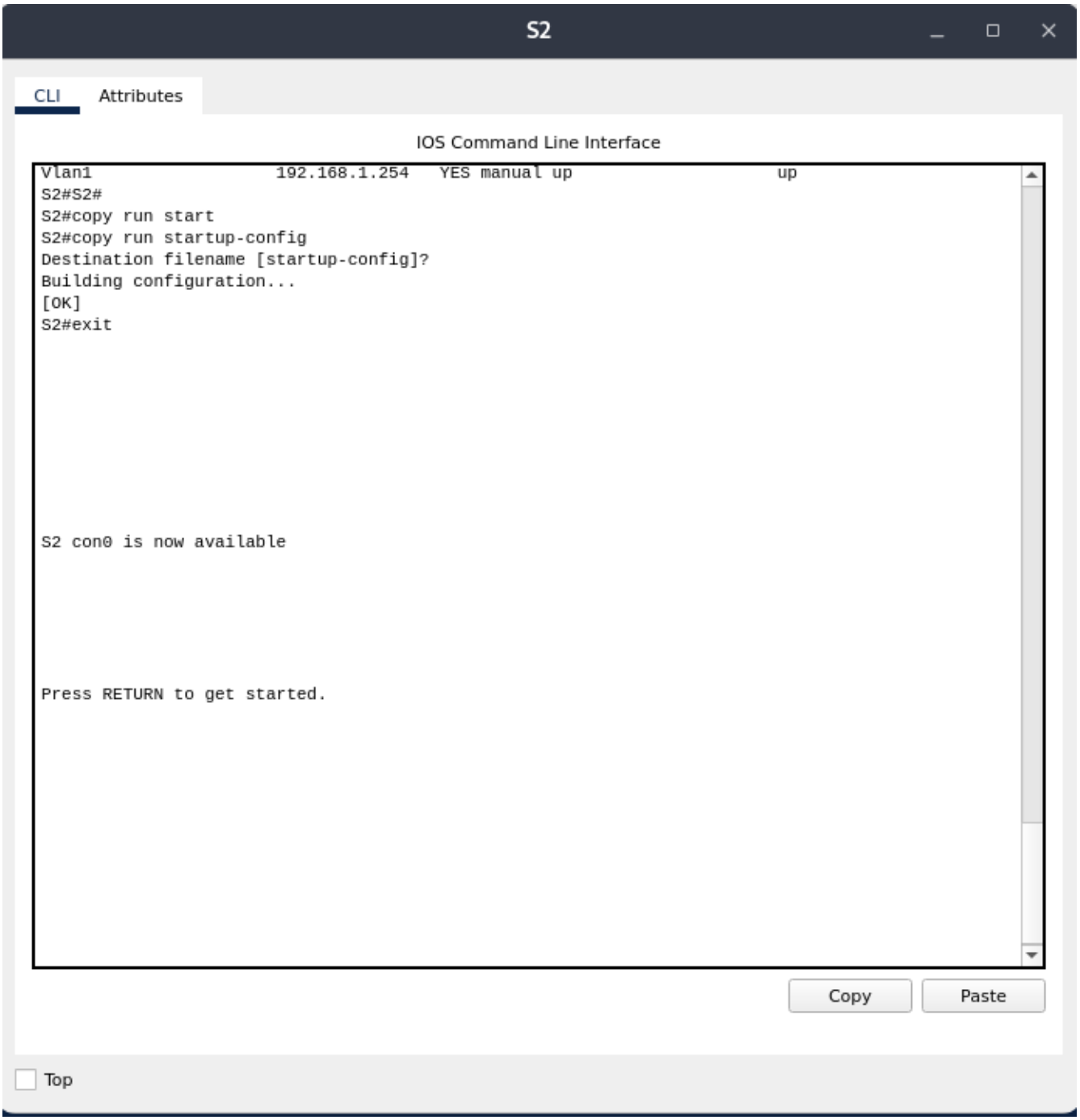

S2
CLI
Attributes
IOS Command Line Interface
S2(config-if)#exit
S2(config)#exit
S2#
%SYS-5-CONFIG_I: Configured from console by console
S2#S2#
S2#show ip interface brief
Interface   IP-Address   OK? Method Status   Protocol
FastEthernet0/1   unassigned   YES manual up   up
FastEthernet0/2   unassigned   YES manual up   up
FastEthernet0/3   unassigned   YES manual down   down
FastEthernet0/4   unassigned   YES manual down   down
FastEthernet0/5   unassigned   YES manual down   down
FastEthernet0/6   unassigned   YES manual down   down
FastEthernet0/7   unassigned   YES manual down   down
FastEthernet0/8   unassigned   YES manual down   down
FastEthernet0/9   unassigned   YES manual down   down
FastEthernet0/10   unassigned   YES manual down   down
FastEthernet0/11   unassigned   YES manual down   down
FastEthernet0/12   unassigned   YES manual down   down
FastEthernet0/13   unassigned   YES manual down   down
FastEthernet0/14   unassigned   YES manual down   down
FastEthernet0/15   unassigned   YES manual down   down
FastEthernet0/16   unassigned   YES manual down   down
FastEthernet0/17   unassigned   YES manual down   down
FastEthernet0/18   unassigned   YES manual down   down
FastEthernet0/19   unassigned   YES manual down   down
FastEthernet0/20   unassigned   YES manual down   down
FastEthernet0/21   unassigned   YES manual down   down
FastEthernet0/22   unassigned   YES manual down   down
FastEthernet0/23   unassigned   YES manual down   down
FastEthernet0/24   unassigned   YES manual down   down
GigabitEthernet0/1   unassigned   YES manual down   down
GigabitEthernet0/2   unassigned   YES manual down   down
Vlan1   192.168.1.254   YES manual up   up
S2#
Copy
Paste
Top

Parte 11.

¿Qué comando se utiliza para guardar en la NVRAM el archivo de configuración que se encuentra en la
RAM?

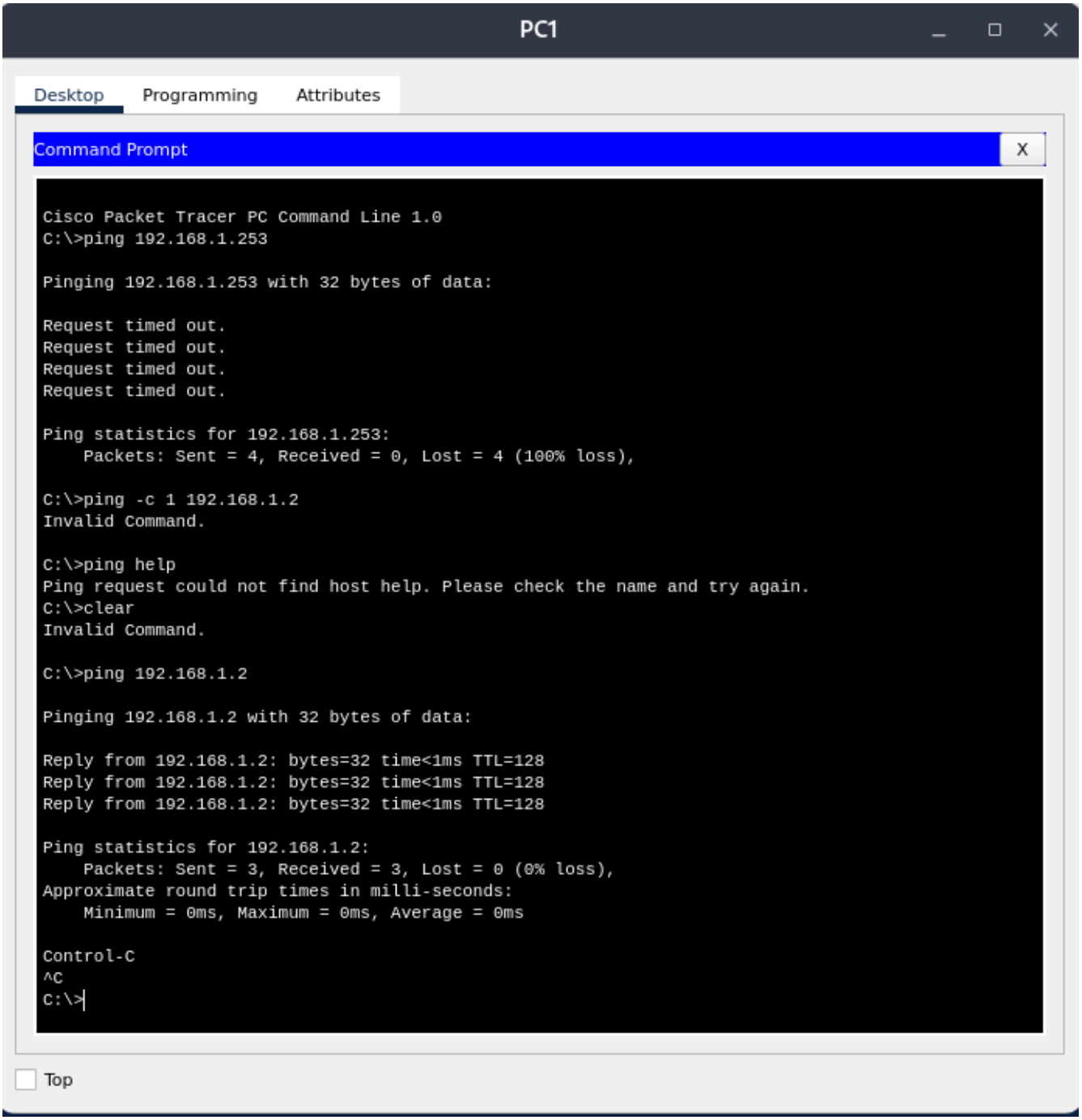
R/ copy run startup-config

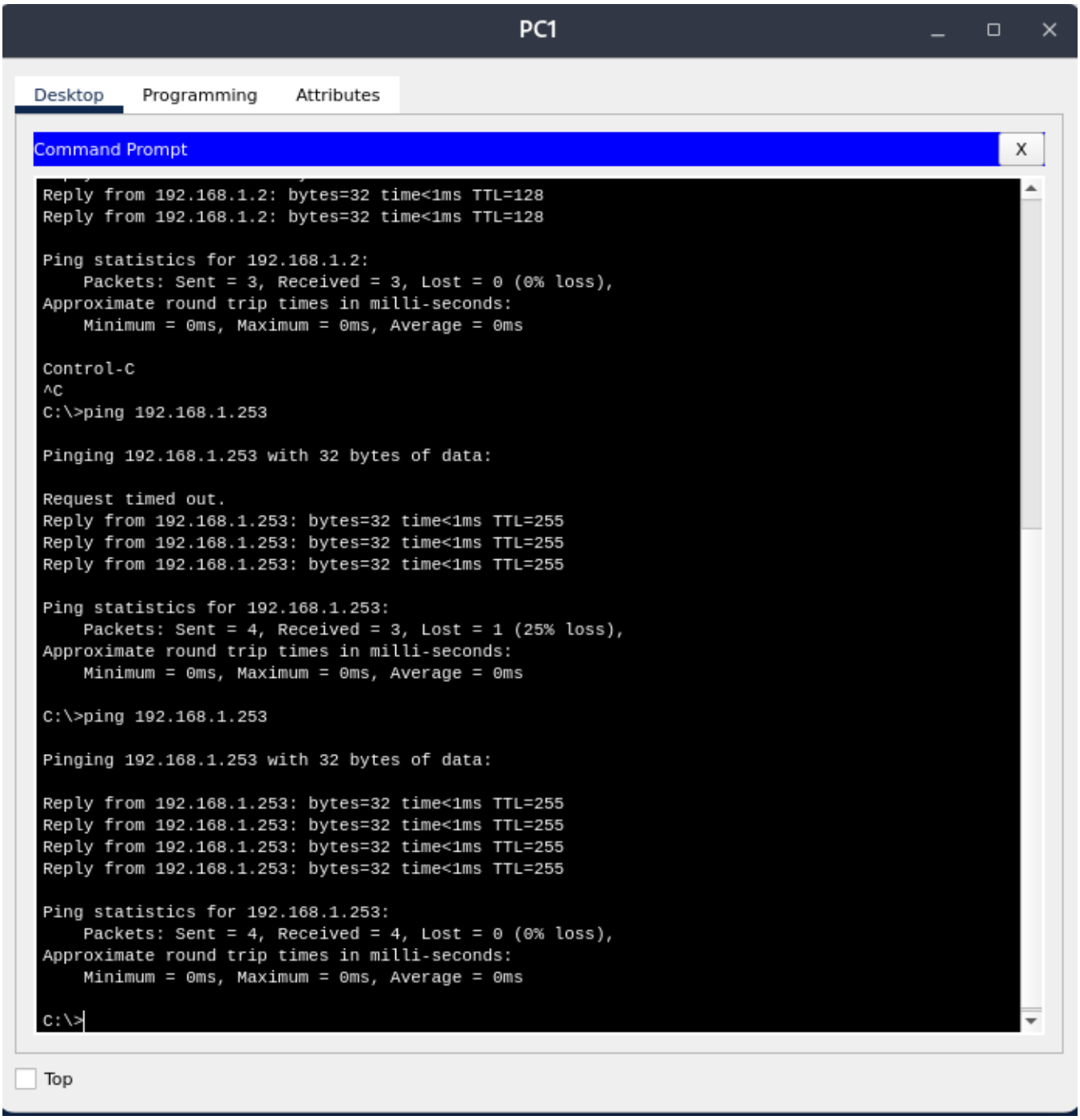


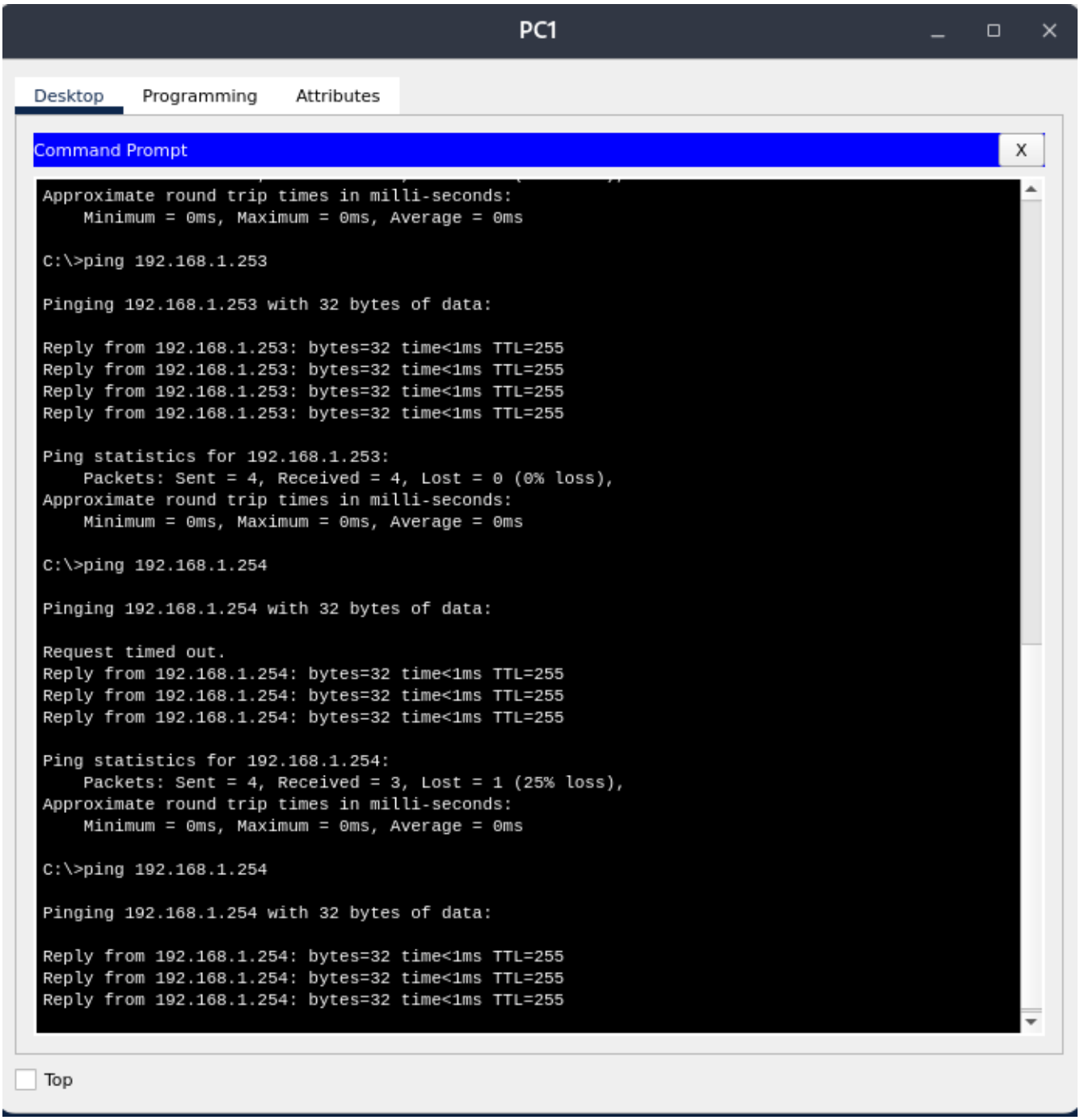

S2
CLI
Attributes
IOS Command Line Interface
Vlan1 192.168.1.254 YES manual up up
S2#S2#
S2#copy run start
S2#copy run startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
S2#exit
S2 con0 is now available
Press RETURN to get started.
Copy
Paste
Top

Parte 12.

a. Haga clic en PC1 y luego en la ficha Escritorio.
b. Haga clic en Símbolo del sistema.
c. Haga ping a la dirección IP de la PC2.
d. Haga ping a la dirección IP del S1.
e. Haga ping a la dirección IP del S2.


PC1
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.253
Pinging 192.168.1.253 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.168.1.253:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping -c 1 192.168.1.2
Invalid Command.
C:\>ping help
Ping request could not find host help. Please check the name and try again.
C:\>clear
Invalid Command.
C:\>ping 192.168.1.2
Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.1.2:
Packets: Sent = 3, Received = 3, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
Control-C
^C
C:\>
Top


PC1
Desktop
Programming
Attributes
Command Prompt
X
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.1.2:
Packets: Sent = 3, Received = 3, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
Control-C
^C
C:\>ping 192.168.1.253
Pinging 192.168.1.253 with 32 bytes of data:
Request timed out.
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Ping statistics for 192.168.1.253:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 192.168.1.253
Pinging 192.168.1.253 with 32 bytes of data:
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Ping statistics for 192.168.1.253:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>
Top


PC1
Desktop
Programming
Attributes
Command Prompt
X
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 192.168.1.253
Pinging 192.168.1.253 with 32 bytes of data:
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Reply from 192.168.1.253: bytes=32 time<1ms TTL=255
Ping statistics for 192.168.1.253:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 192.168.1.254
Pinging 192.168.1.254 with 32 bytes of data:
Request timed out.
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Ping statistics for 192.168.1.254:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>ping 192.168.1.254
Pinging 192.168.1.254 with 32 bytes of data:
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Reply from 192.168.1.254: bytes=32 time<1ms TTL=255
Top