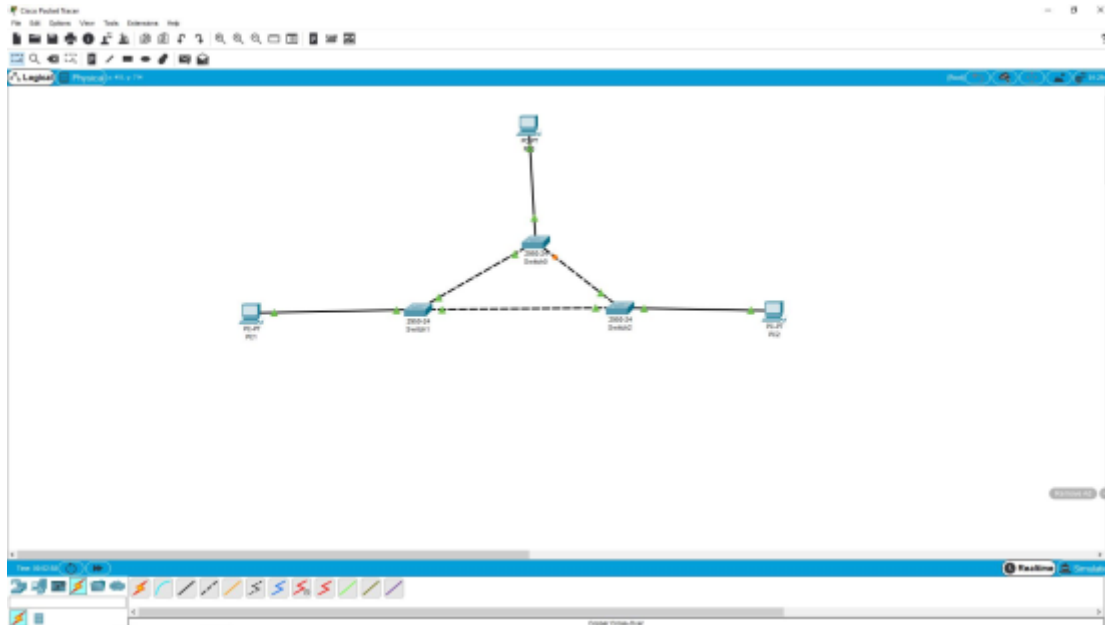


Nama : Hudi Pradjanu

NIM : L200180128

Kelas : D

Kegiatan 1.Topologi 1



Tugas 1A:

3 Switch diberi nama masing-masing berupa SW1, SW2, SW3

Tugas 2A:

```
Switch>en
```

```
Switch#conf t
```

Enter configuration commands, one per line. End with CNTL/Z.

```
Switch(config)#hostname SW1
```

```
SW1(config)#end
```

```
Switch>en
```

```
Switch#conf t
```

Enter configuration commands, one per line. End with CNTL/Z.

```
Switch(config)#hostname SW2
```

```
SW2(config)#end
```

Switch>en

Switch#conf t

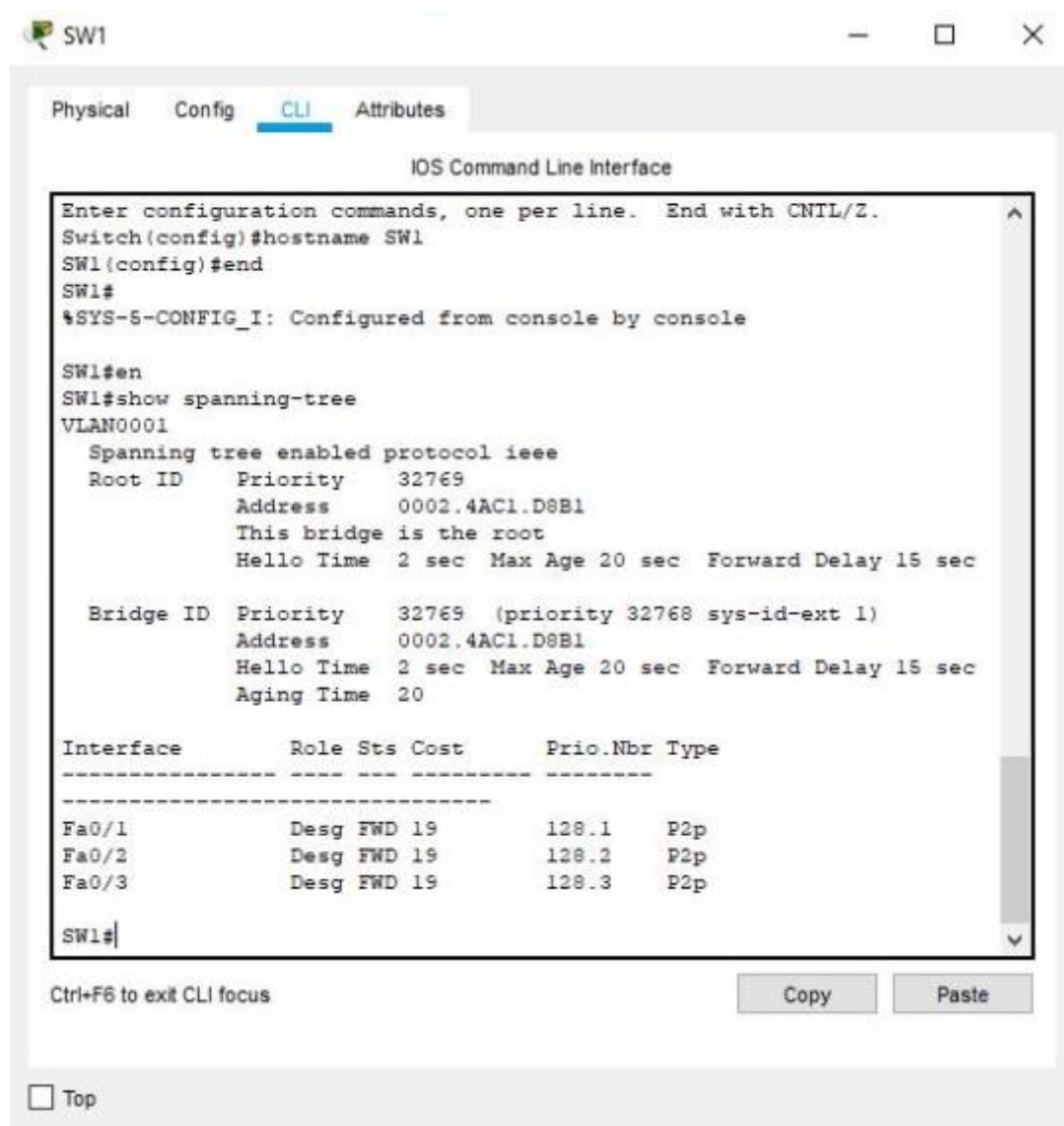
Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#hostname SW3

SW3(config)#end

Tugas 4A:

SW1



The screenshot shows a network switch window titled "SW1" with tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, displaying the "IOS Command Line Interface". The terminal text shows the following sequence of commands and output:

```
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW1
SW1(config)#end
SW1#
%SYS-5-CONFIG_I: Configured from console by console

SW1#en
SW1#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0002.4AC1.D8B1
             This bridge is the root
             Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec

  Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
             Address     0002.4AC1.D8B1
             Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
             Aging Time  20

Interface      Role Sts Cost      Prio.Nbr Type
-----
Fa0/1          Desg FWD 19        128.1    P2p
Fa0/2          Desg FWD 19        128.2    P2p
Fa0/3          Desg FWD 19        128.3    P2p

SW1#
```

Below the terminal window, there is a status bar with the text "Ctrl+F6 to exit CLI focus" and two buttons: "Copy" and "Paste". At the bottom left, there is a checkbox labeled "Top".

SW2

SW2

Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Switch(config)#hostname SW2
SW2(config)#end
SW2#
%SYS-5-CONFIG_I: Configured from console by console

SW2#en
SW2#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0002.4AC1.D8B1
            Cost        19
            Port        2(FastEthernet0/2)
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec

  Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
            Address     000A.419D.D792
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
            Aging Time  20

Interface      Role Sts Cost      Prio.Nbr Type
-----
Fa0/1          Desg FWD 19        128.1    P2p
Fa0/2          Root FWD 19        128.2    P2p
Fa0/3          Desg FWD 19        128.3    P2p

SW2#
```

Ctrl+F6 to exit CLI focus

CopyPaste

☐ Top

SW3

The screenshot shows a network switch named SW3 in its Command Line Interface (CLI). The interface has tabs for Physical, Config, CLI (selected), and Attributes. The CLI window displays the following commands and output:

```
Switch(config)#hostname SW3
SW3(config)#end
SW3#
%SYS-5-CONFIG_I: Configured from console by console

SW3#en
SW3#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0002.4AC1.D8B1
            Cost        19
            Port        2(FastEthernet0/2)
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec

  Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
            Address     00D0.D36E.C222
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
            Aging Time  20

Interface          Role Sts Cost      Prio.Nbr Type
-----
Fa0/2              Root FWD 19        128.2    P2p
Fa0/1              Desg FWD 19        128.1    P2p
Fa0/3              Altn BLK 19        128.3    P2p

SW3#
```

Below the CLI window, there is a status bar with the text "Ctrl+F6 to exit CLI focus" and two buttons: "Copy" and "Paste". At the bottom left, there is a checkbox labeled "Top".

Tugas 4B:

SW1

NO	Variabel	Nilai
1	Root ID	0002.4AC1.D8B1
2	Priority	32769
3	MAC Address	0002.4AC1.D8B1
4	Bridge ID	0002.4AC1.D8B1
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW2

NO	Variabel	Nilai
1	Root ID	0002.4AC1.D8B1
2	Priority	32769
3	MAC Address	0002.4AC1.D8B1
4	Bridge ID	0002.4AC1.D8B1
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

SW3

NO	Variabel	Nilai
1	Root ID	0002.4AC1.D8B1
2	Priority	32769
3	MAC Address	0002.4AC1.D8B1
4	Bridge ID	0002.4AC1.D8B1
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Tugas 4C:

Root bridge : SW1

Designated bridge : SW2

Root port : SW2 (Fa0/1), SW3(Fa0/1)

Designated port : SW1(Fa0/1;Fa0/2;Fa0/3), SW2(Fa0/2;Fa0/3), SW3(Fa0/3)

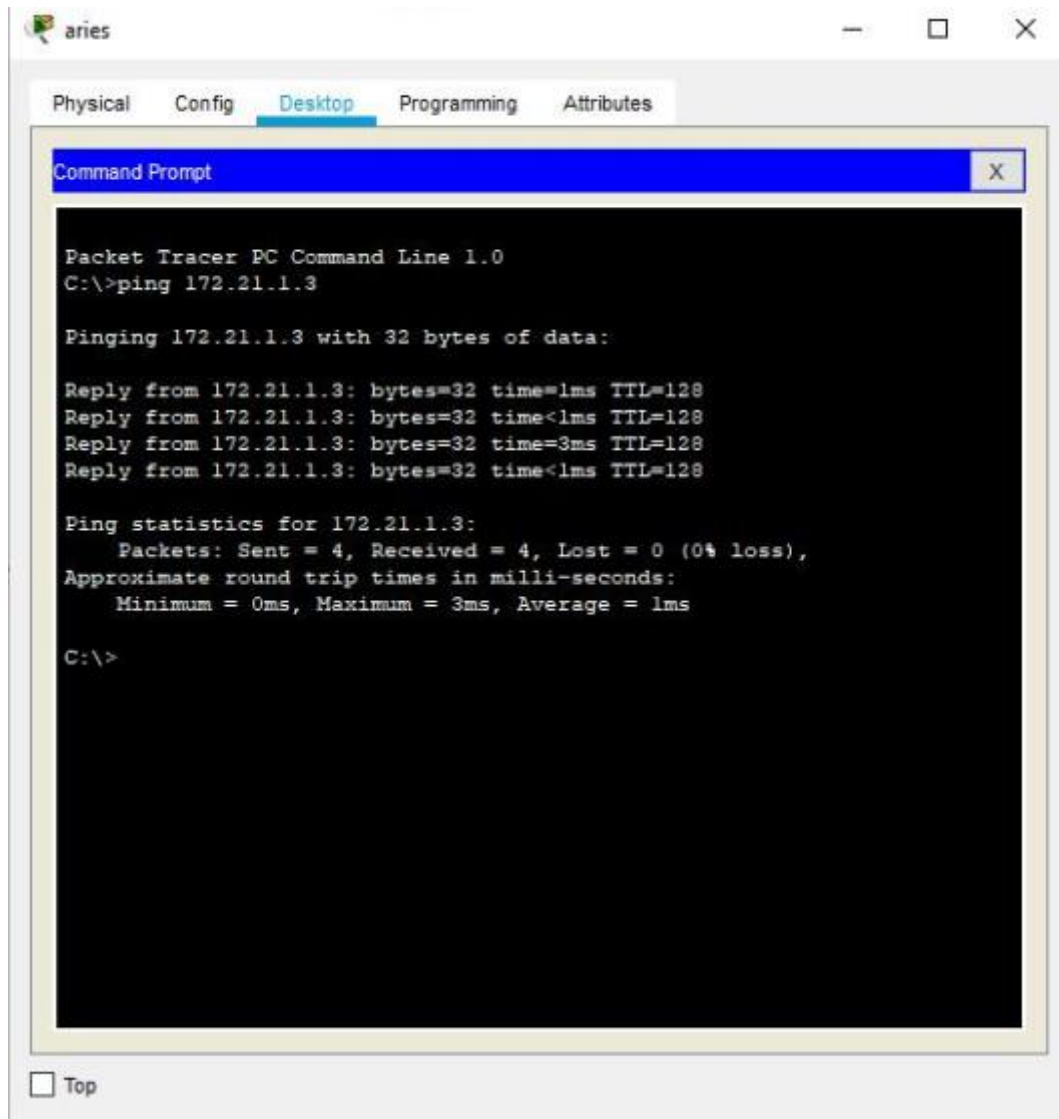
Tugas 4D:

Forwarding : SW1(Fa0/1;Fa0/2;Fa0/3), SW2(Fa0/1;Fa0/2;Fa0/3), SW3(Fa0/1;Fa0/3)

Blocking : SW3(Fa0/3)

Tugas 5A:

Double klik pc, lalu ke desktop, kemudian ke command prompt



Tugas 6A:

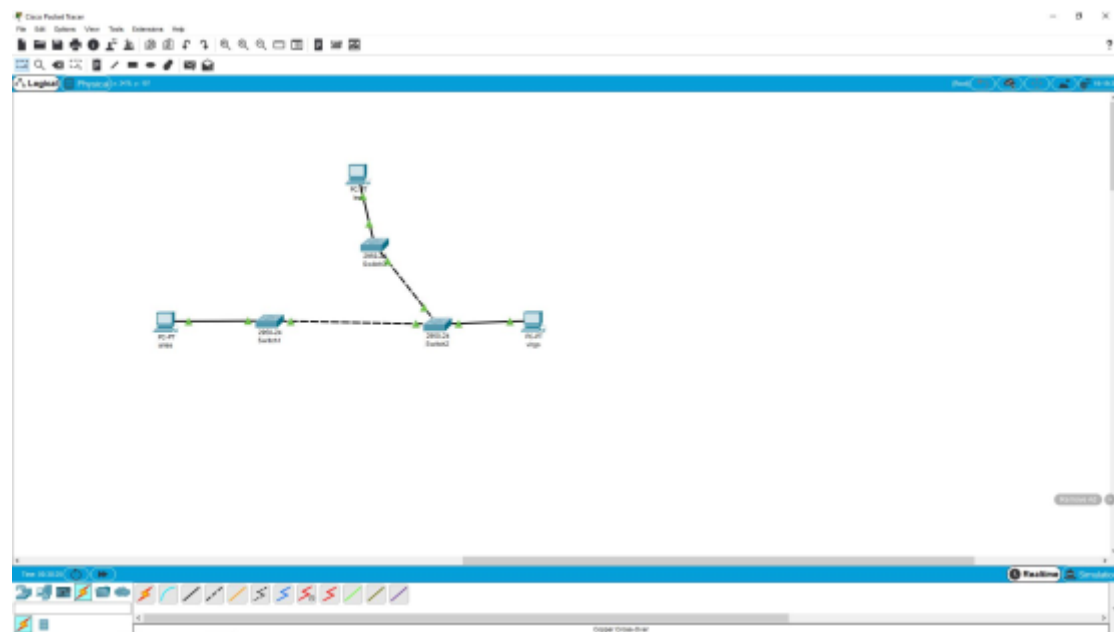
SW2>en

SW2#write

Building configuration...

[OK]

Kegiatan 2.Topologi 2



Switch 1

Switch1

Physical Config **CLI** Attributes

IOS Command Line Interface

Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname Switch1
Switch1(config)#end
Switch1#
%SYS-5-CONFIG_I: Configured from console by console

Switch1#en
Switch1#show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID Priority 32769
Address 0001.6477.92DB
Cost 38
Port 2 (FastEthernet0/2)
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec

Bridge ID Priority 32769 (priority 32768 sys-id-ext 1)
Address 00D0.D350.B09B
Hello Time 2 sec Max Age 20 sec Forward Delay 15 sec
Aging Time 20

Interface Role Sts Cost Prio.Nbr Type

Fa0/2 Root FWD 19 128.2 P2p
Fa0/1 Desg FWD 19 128.1 P2p

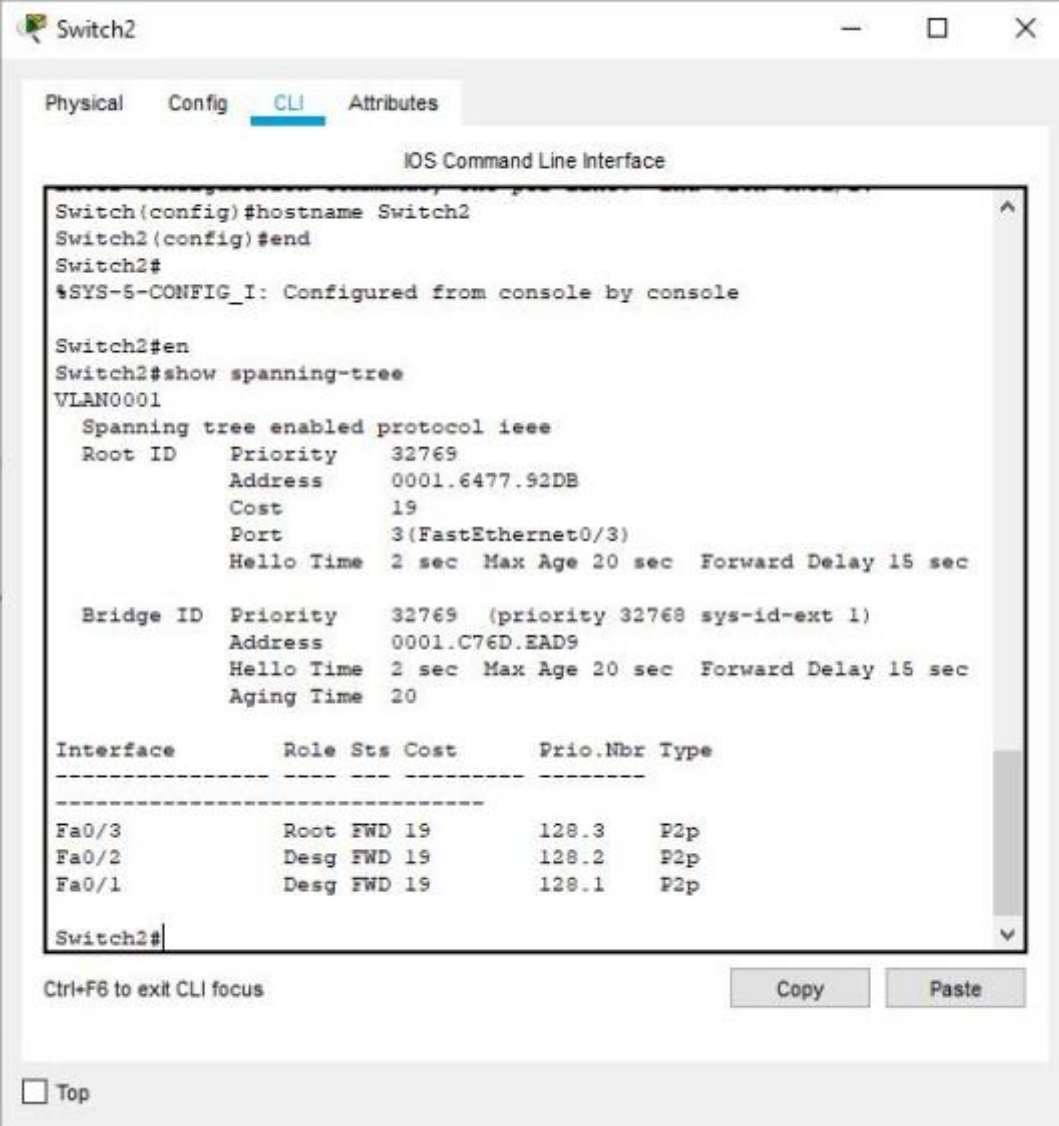
Switch1#

Ctrl+F6 to exit CLI focus

Copy Paste

☐ Top

Switch 2



The screenshot shows a network switch configuration window titled "Switch2". It has tabs for "Physical", "Config", "CLI", and "Attributes". The "CLI" tab is active, displaying the "IOS Command Line Interface".

The CLI session shows the following commands and output:

```
Switch(config)#hostname Switch2
Switch2(config)#end
Switch2#
%SYS-5-CONFIG_I: Configured from console by console

Switch2#en
Switch2#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
            Address     0001.6477.92DB
            Cost        19
            Port        3(FastEthernet0/3)
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec

  Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
            Address     0001.C76D.EAD9
            Hello Time  2 sec  Max Age 20 sec  Forward Delay 15 sec
            Aging Time  20

Interface          Role Sts Cost      Prio.Nbr Type
-----
Fa0/3              Root FWD 19        128.3    P2p
Fa0/2              Desg FWD 19        128.2    P2p
Fa0/1              Desg FWD 19        128.1    P2p

Switch2#
```

Below the CLI window, there is a "Ctrl+F6 to exit CLI focus" label, "Copy" and "Paste" buttons, and a "Top" button with a checkbox.

Switch 3

Switch3

Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Switch3#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch3(config)#hostname Switch3
Switch3(config)#end
Switch3#
%SYS-5-CONFIG_I: Configured from console by console

Switch3#en
Switch3#show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
  Root ID    Priority    32769
             Address     0001.6477.92DB
             This bridge is the root
             Hello Time 2 sec  Max Age 20 sec  Forward Delay 15 sec

  Bridge ID  Priority    32769 (priority 32768 sys-id-ext 1)
             Address     0001.6477.92DB
             Hello Time 2 sec  Max Age 20 sec  Forward Delay 15 sec
             Aging Time  20

Interface      Role Sts Cost      Prio.Nbr Type
-----
Fa0/2          Desg FWD 19        128.2    P2p
Fa0/1          Desg FWD 19        128.1    P2p

Switch3#
```

Ctrl+F6 to exit CLI focus

CopyPaste

☐ Top

Switch1

NO	Variabel	Nilai
1	Root ID	0001.6477.92DB
2	Priority	32769
3	MAC Address	0001.6477.92DB
4	Bridge ID	0001.6477.92DB
5	Cost (0/1;0/2;0/3)	19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Switch2

NO	Variabel	Nilai
1	Root ID	0001.6477.92DB
2	Priority	32769
3	MAC Address	0001.6477.92DB
4	Bridge ID	0001.6477.92DB
5	Cost (0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Switch3

NO	Variabel	Nilai
1	Root ID	0001.6477.92DB
2	Priority	32769
3	MAC Address	0001.6477.92DB
4	Bridge ID	0001.6477.92DB
5	Cost (0/1;0/2;0/3)	19/19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Root bridge : SW1

Designated bridge : SW3 Root port : SW2 (Fa0/1), SW3(Fa0/2)

Designated port : SW1(Fa0/1;Fa0/2;Fa0/3), SW2(Fa0/3), SW3(Fa0/2;Fa0/3)

Forwarding : SW1(Fa0/1;Fa0/2;Fa0/3), SW2(Fa0/1;Fa0/2;Fa0/3),
SW3(Fa0/1;Fa0/2;Fa0/3)

Blocking :None