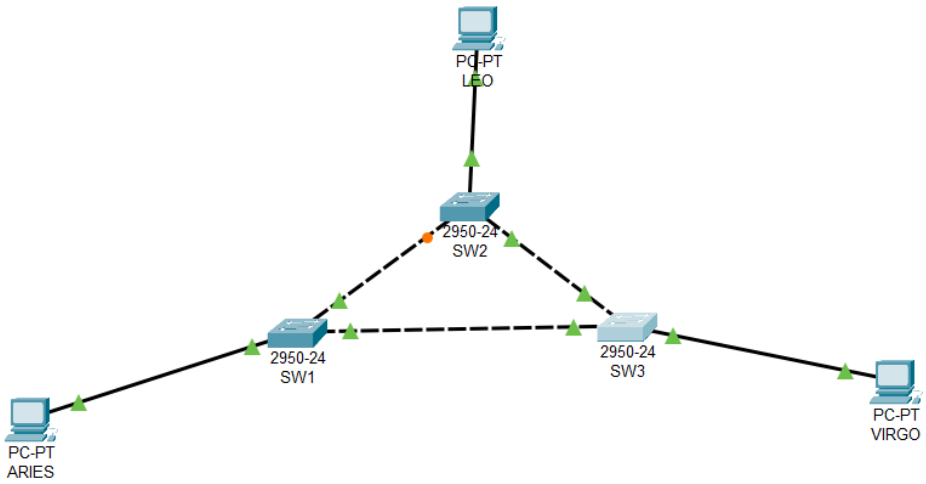
NAMA: Ahmad Fikri Alqhozali

NIM : L200180166

1. Kegiatan 1 . Topologi 1



Tugas 1A :

Memberi nama masing SWITCH menjadi SW1 SW2 SW3

Tugas 2A:

- **SW 1**

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW1
SW1(config)#end
SW1#
```

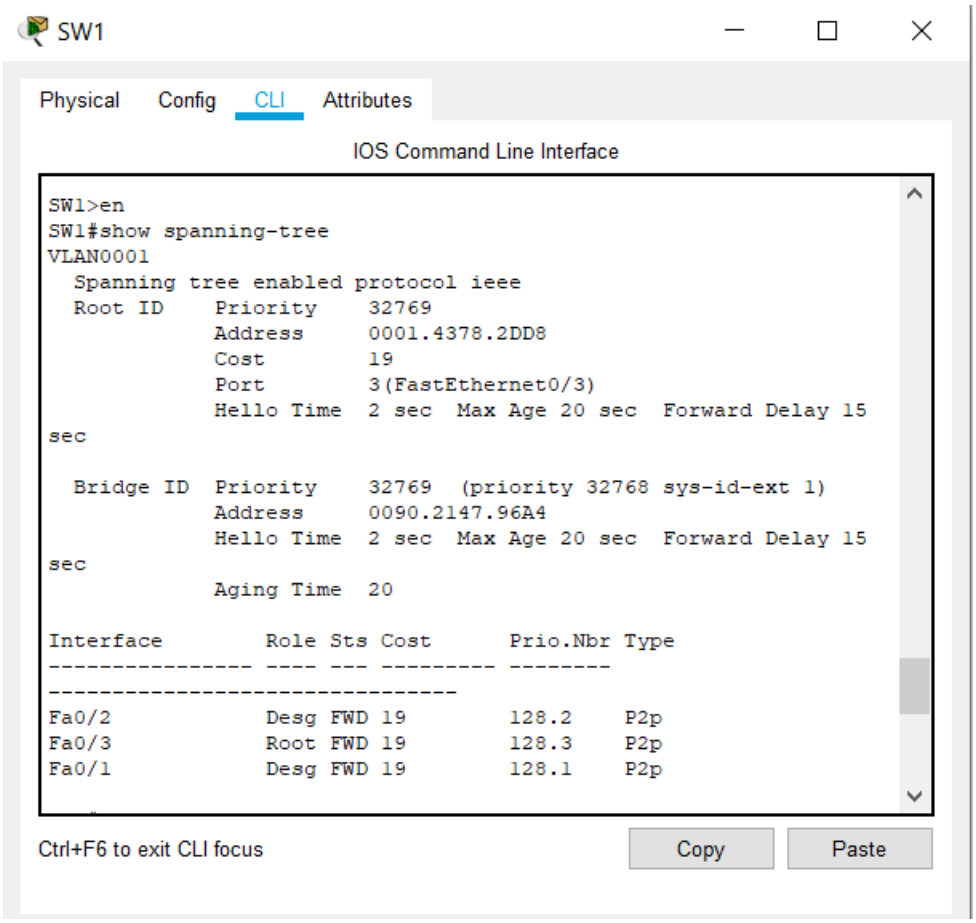
- **SW 2**

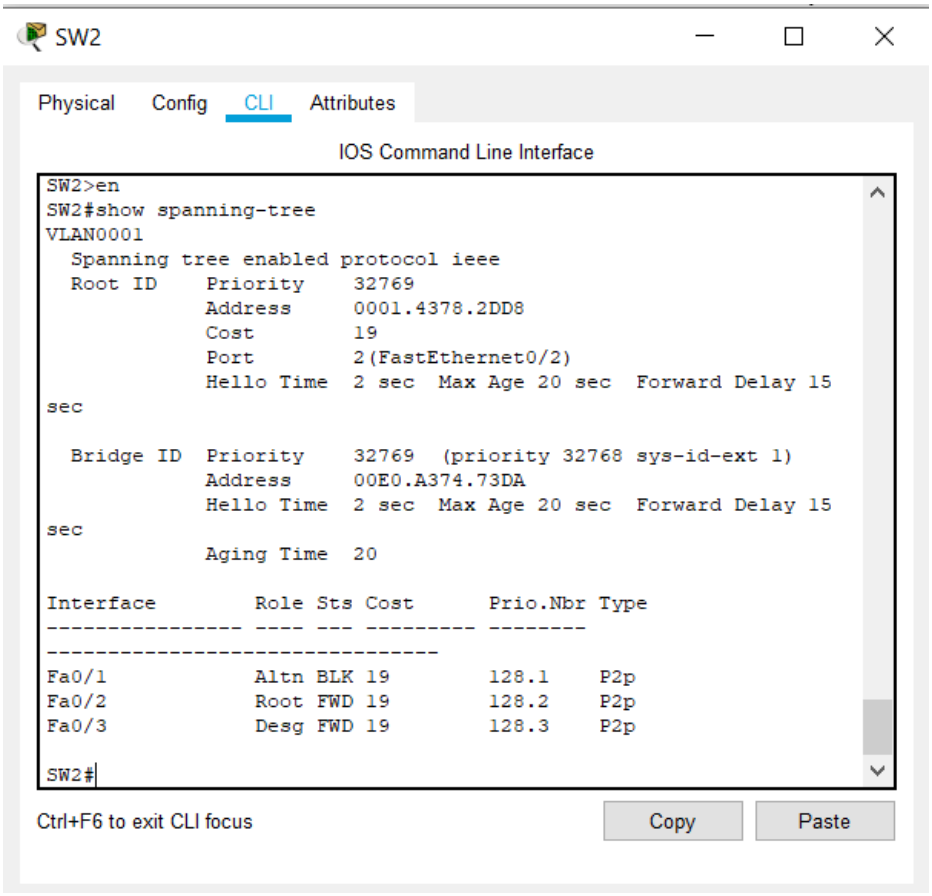
```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname SW2
SW2(config)#end
SW2#
```

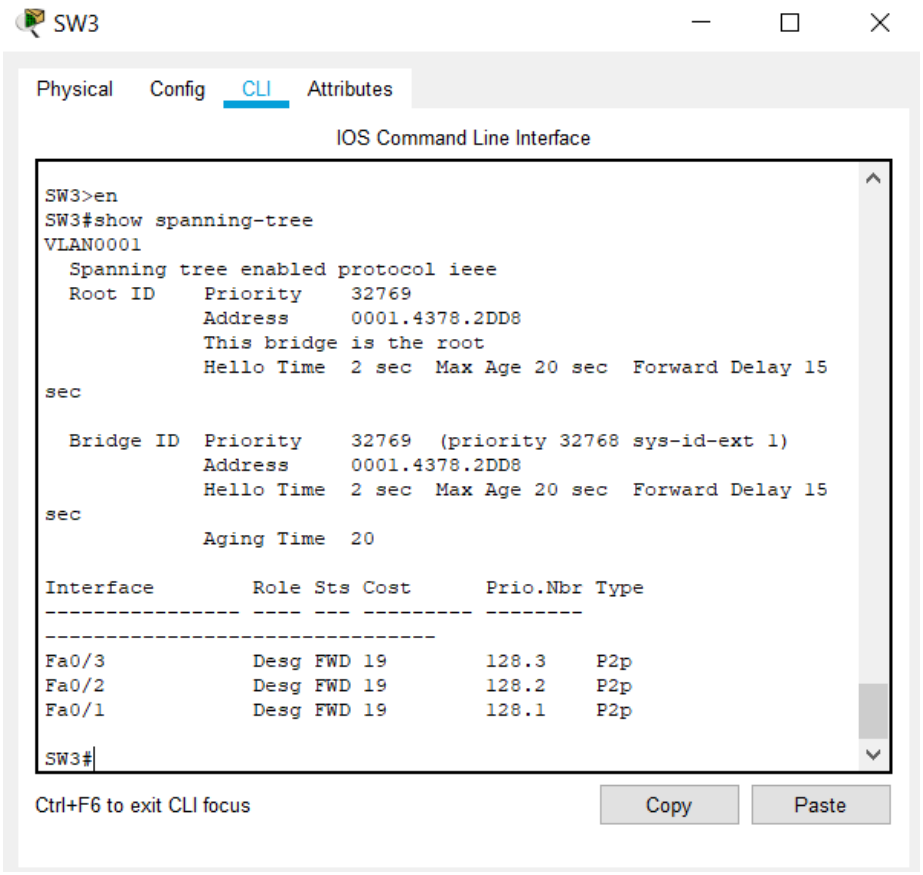
- **SW 3**

  Switch>en
  Switch#conf t
  Enter configuration commands, one per line. End with CNTL/Z.
  Switch(config)#hostname SW3
  SW3(config)#end
  SW3#

Tugas 4A




SW2
Physical
Config
CLI
Attributes
IOS Command Line Interface
SW2>en
SW2#show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID Priority 32769
Address 0001.4378.2DD8
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 00E0.A374.73DA
Hello Time 2 sec Max Age 20 sec Forward Delay 15
sec
Aging Time 20
Interface Role Sts Cost Prio.Nbr Type
Fa0/1 Altn BLK 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
Copy
Paste



SW 1

NO	Variabel	Nilai
1	Root ID	0001.4378.2DD8
2	Priority	32769
3	MAC Adress	0001.4378.2DD8
4	Bridge ID	0090.2147.96A4
5	Cost(0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW 2

NO	Variabel	Nilai
1	Root ID	0001.4378.2DD8
2	Priority	32769
3	MAC Adress	0001.4378.2DD8
4	Bridge ID	00E0.A374.73DA
5	Cost(0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW 3

NO	Variabel	Nilai
1	Root ID	0001.4378.2DD8
2	Priority	32769
3	MAC Adress	0001.4378.2DD8
4	Bridge ID	0001.4378.2DD8
5	Cost(0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

TUGAS 4C:

Yang menjadi Root Bridge : SW 3

Yang menjadi Designated Bridge :

Yang menjadi root port : SW1 (fa 0/3) & SW2 (fa 0/2)

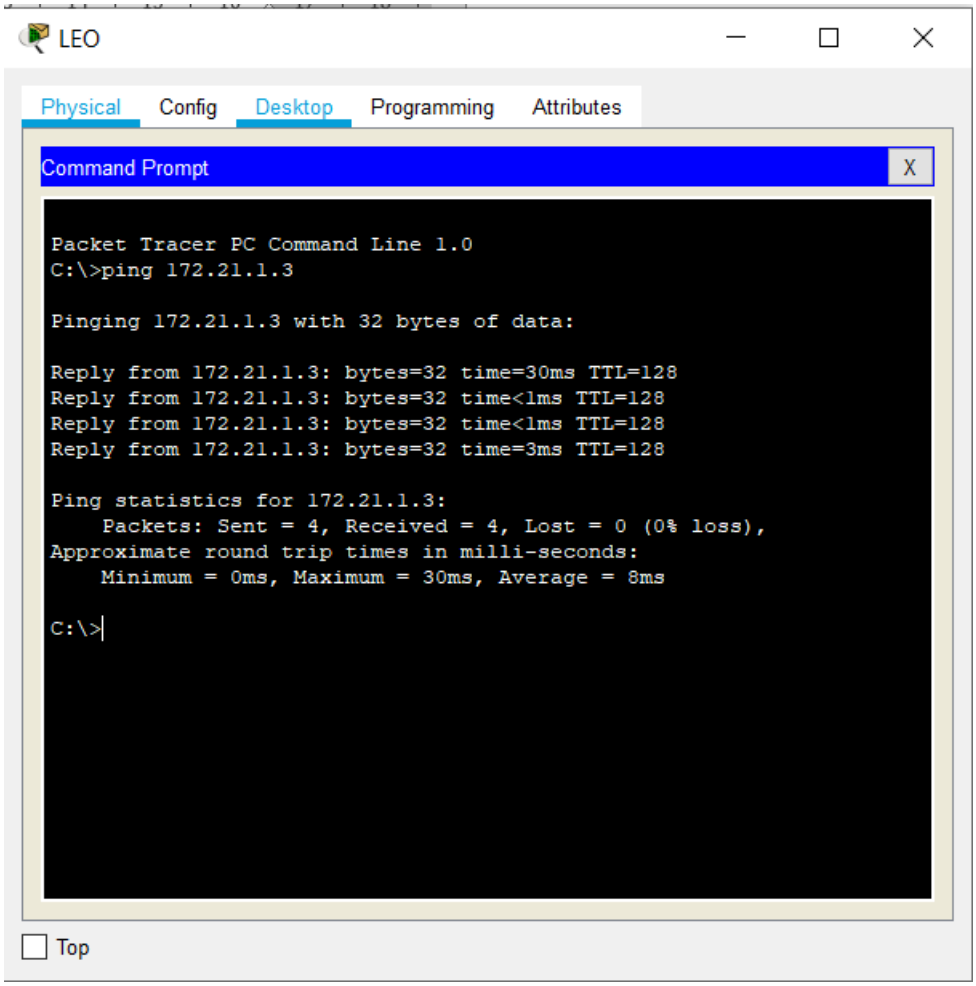
Yang menjadi Designated port : SW1(fa 0/2, fa 0/1) & SW2 (fa 0/3) & SW3 (fa 0/1, fa 0/2, fa 0/3)

TUGAS 4D :

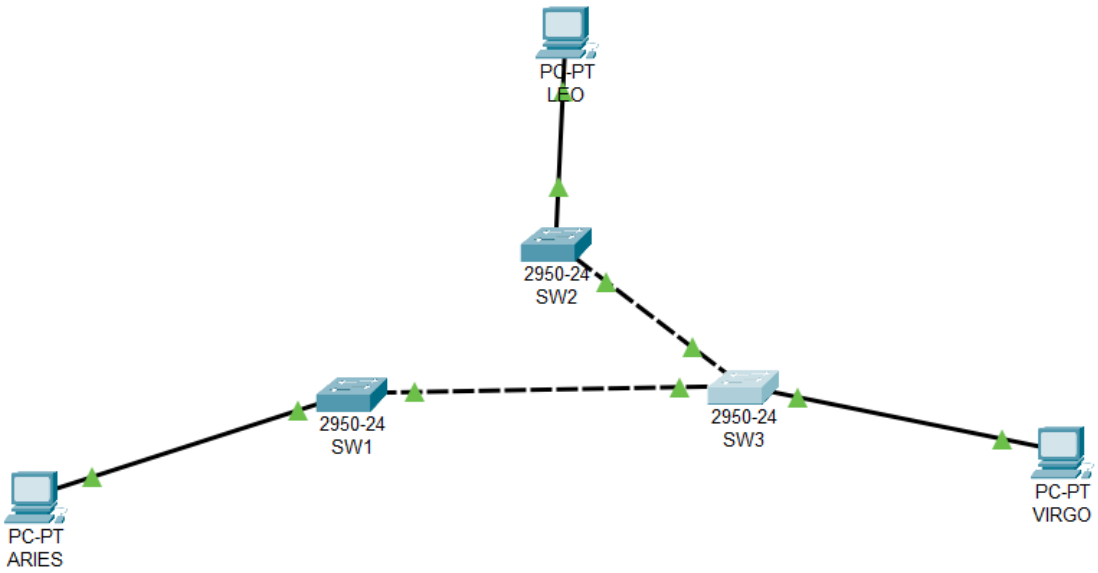
Forwadding : SW1(fa 0/1, fa 0/2, fa 0/3) SW2(fa 0/2, fa 0/3) SW3(fa 0/1, fa 0/2, fa 0/3)

Blocking : SW2(fa 0/1)

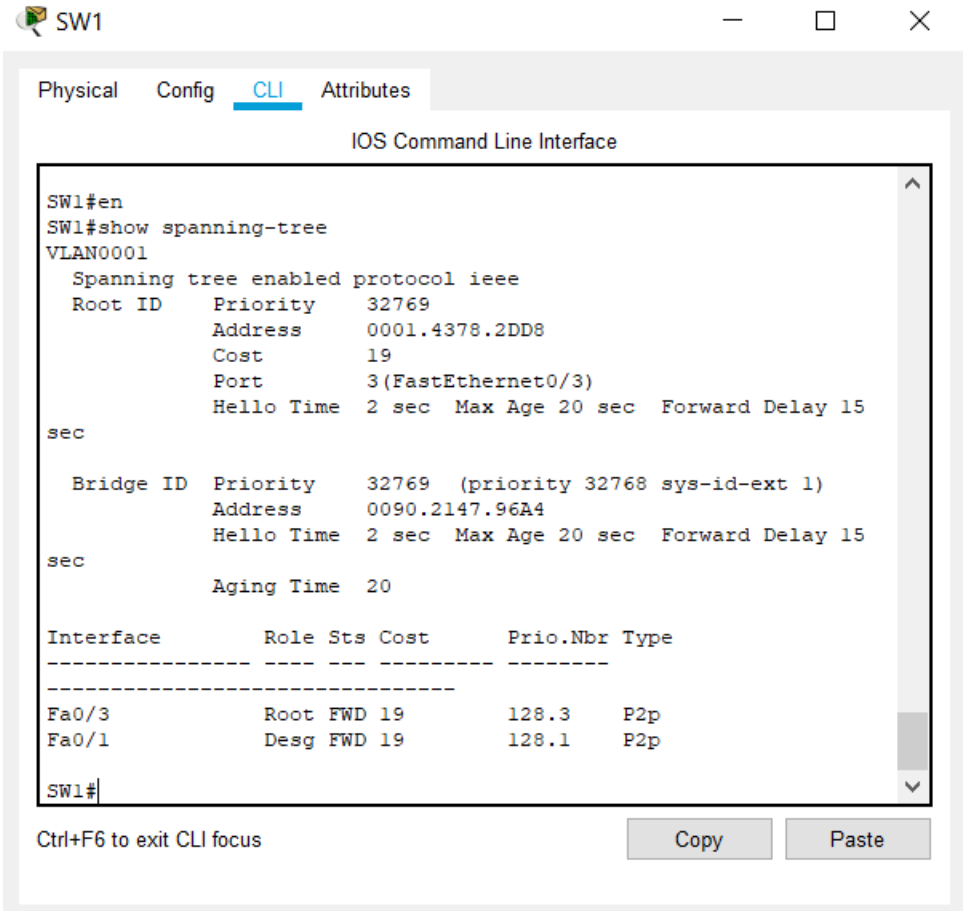
TUGAS 5A:



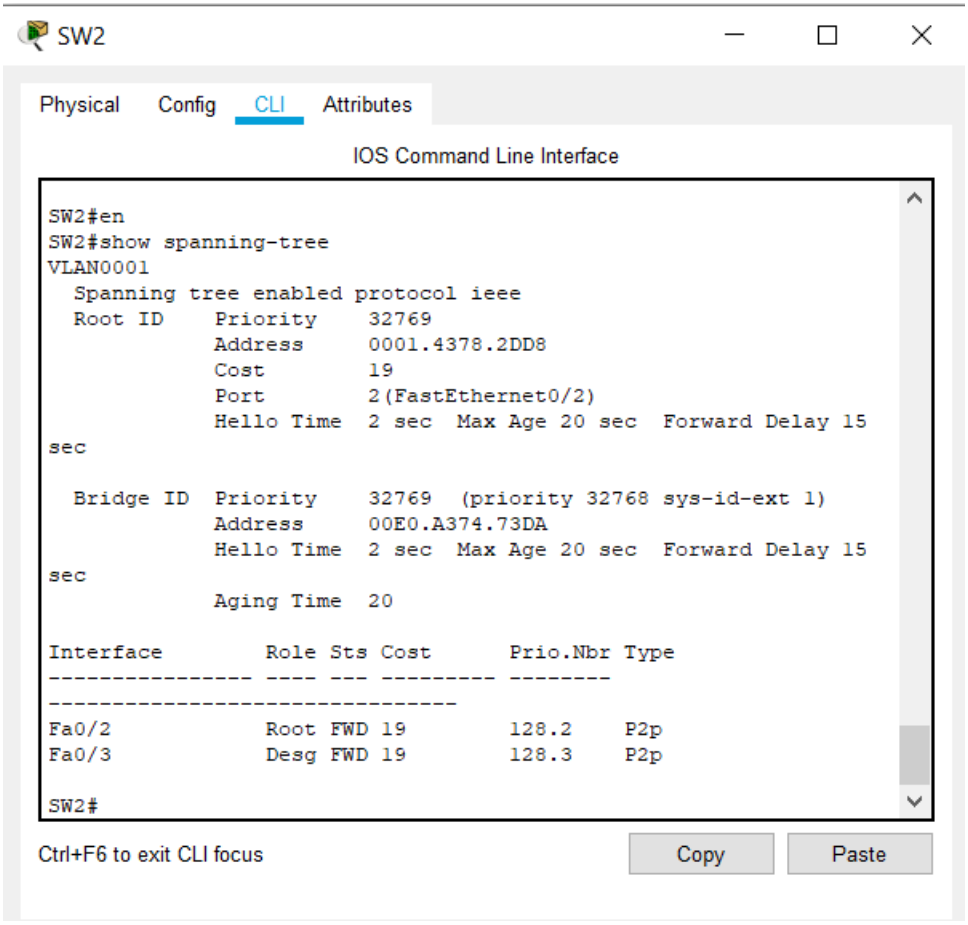
2. Kegiatan 2 topologi 2



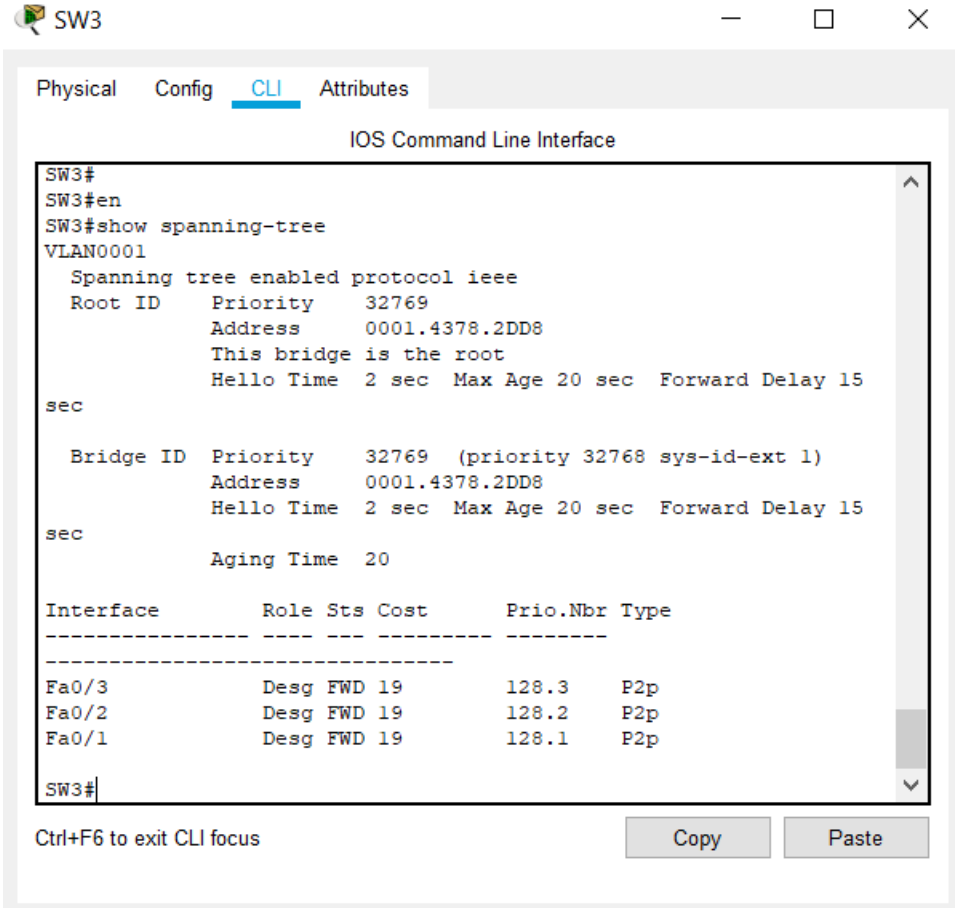
TUGAS 9A:
SW 1


SW1
Physical
Config
CLI
Attributes
IOS Command Line Interface
SW1#en
SW1#show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID Priority 32769
Address 0001.4378.2DD8
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 0090.2147.96A4
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
Fa0/1 Desg FWD 19 128.1 P2p
SW1#
Ctrl+F6 to exit CLI focus
Copy
Paste

SW2


SW2
Physical
Config
CLI
Attributes
IOS Command Line Interface
SW2#en
SW2#show spanning-tree
VLAN0001
Spanning tree enabled protocol ieee
Root ID Priority 32769
Address 0001.4378.2DD8
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 00E0.A374.73DA
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
Fa0/3 Desg FWD 19 128.3 P2p
SW2#
Ctrl+F6 to exit CLI focus
Copy
Paste

SW3



SW 1

NO	Variabel	Nilai
1	Root ID	0001.4378.2DD8
2	Priority	32769
3	MAC Adress	0001.4378.2DD8
4	Bridge ID	0090.2147.96A4
5	Cost(0/1;0/2;0/3)	19/19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW 2

NO	Variabel	Nilai
1	Root ID	0001.4378.2DD8
2	Priority	32769
3	MAC Adress	0001.4378.2DD8
4	Bridge ID	00E0.A374.73DA
5	Cost(0/1;0/2;0/3)	19/19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

SW 3

NO	Variabel	Nilai
1	Root ID	0001.4378.2DD8
2	Priority	32769
3	MAC Adress	0001.4378.2DD8
4	Bridge ID	0001.4378.2DD8
5	Cost(0/1;0/2;0/3)	19/19/19
6	Hello Time	2 sec
7	Max Age	20 sec
8	Forward Delay	15 sec

Yang menjadi Root Bridge : SW 3

Yang menjadi Designated Bridge :

Yang menjadi root port : SW1 (fa 0/3) & SW2 (fa 0/2)

Yang menjadi Designated port : SW1(fa 0/1) & SW2 (fa 0/3) & SW3 (fa 0/1, fa 0/2, fa 0/3)

FORWADDING : SW1(fa 0/1, fa 0/3) SW2((fa 0/2, fa 0/3) SW3 (fa 0/1, fa 0/2, fa 0/3)

BLOCKING : tidak ada