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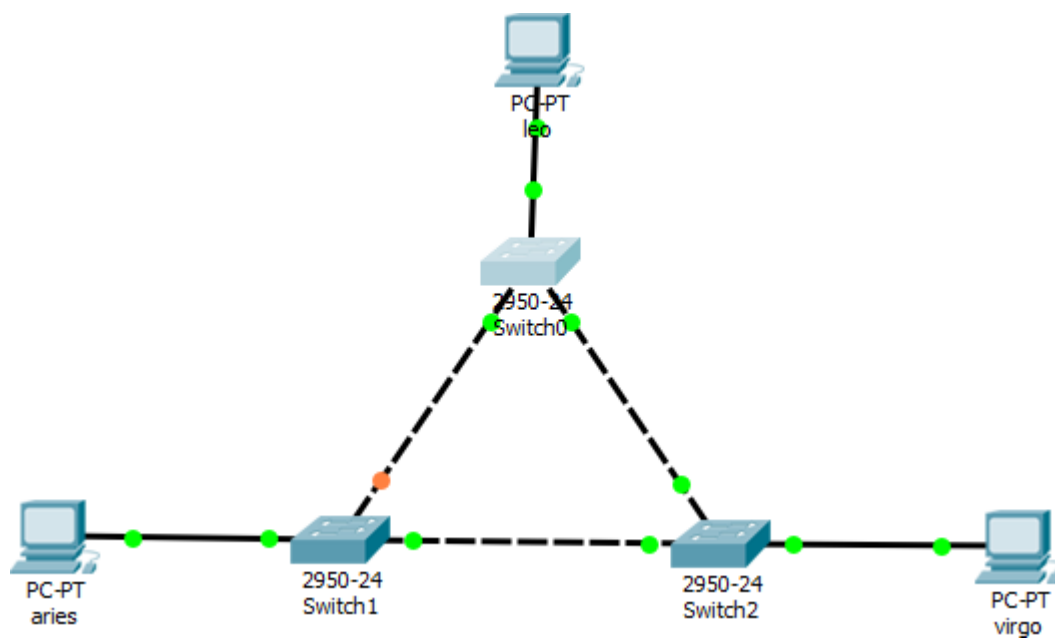
## **PRAKTIKUM JARINGAN KOMPUTER**

### **MODUL 6**

#### **SPANNING TREE PROTOCOL**

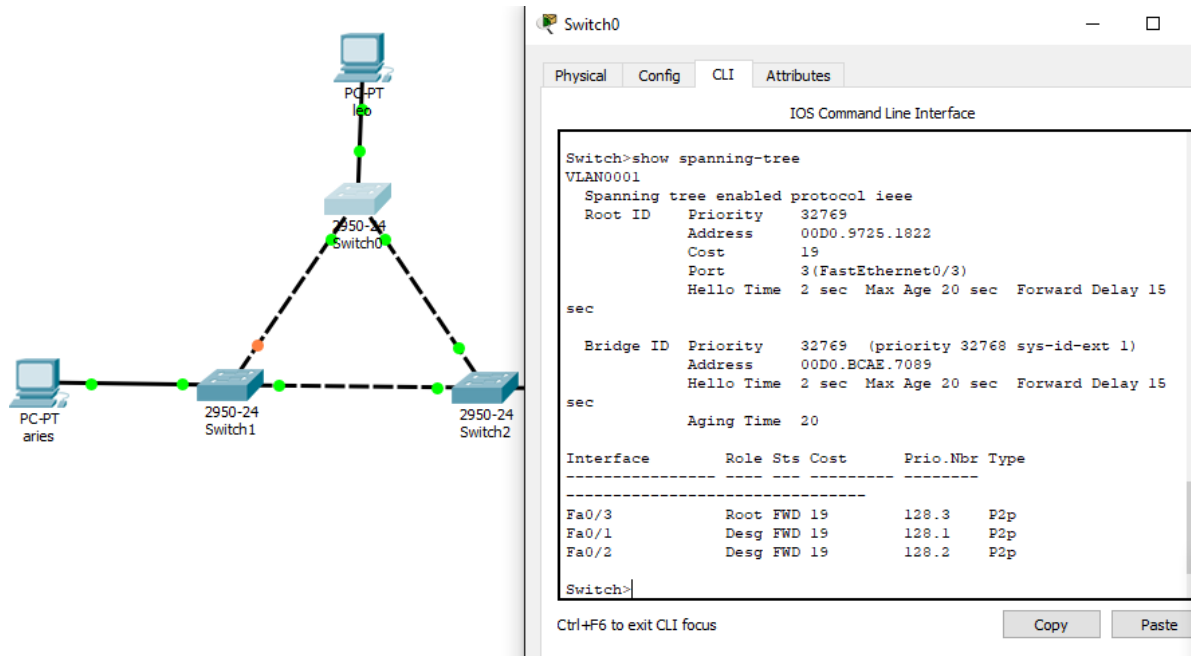
#### **KEGIATAN 1. TOPOLOGI 1**

##### **Tugas 1A & 2A**

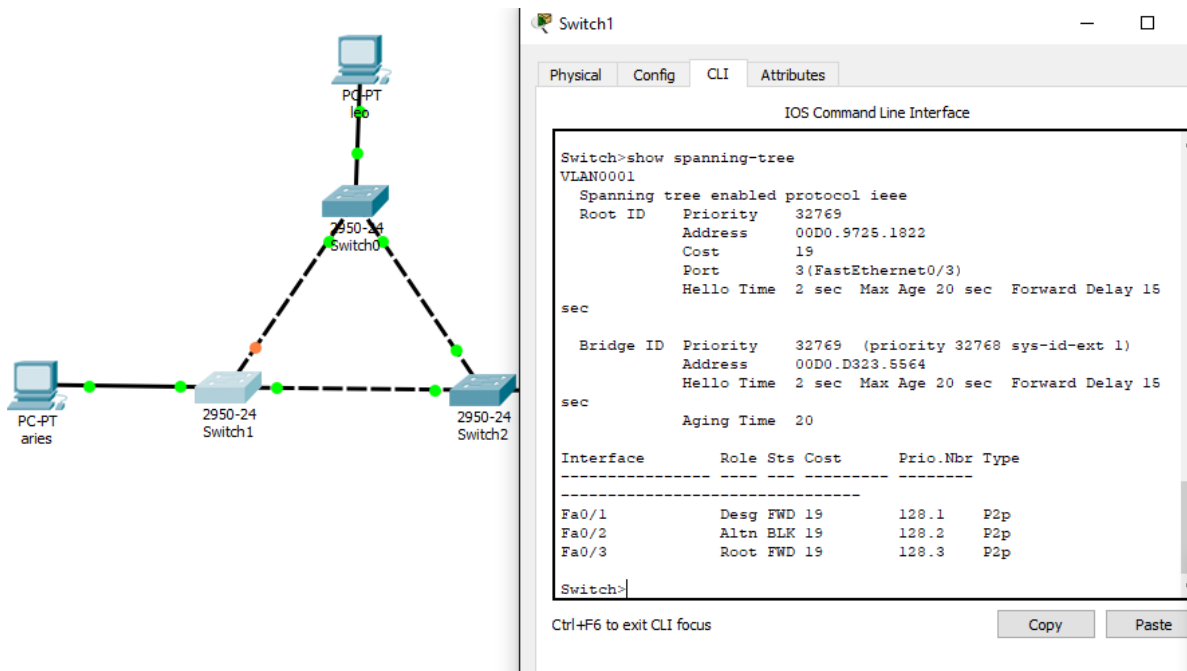


## Tugas 4A

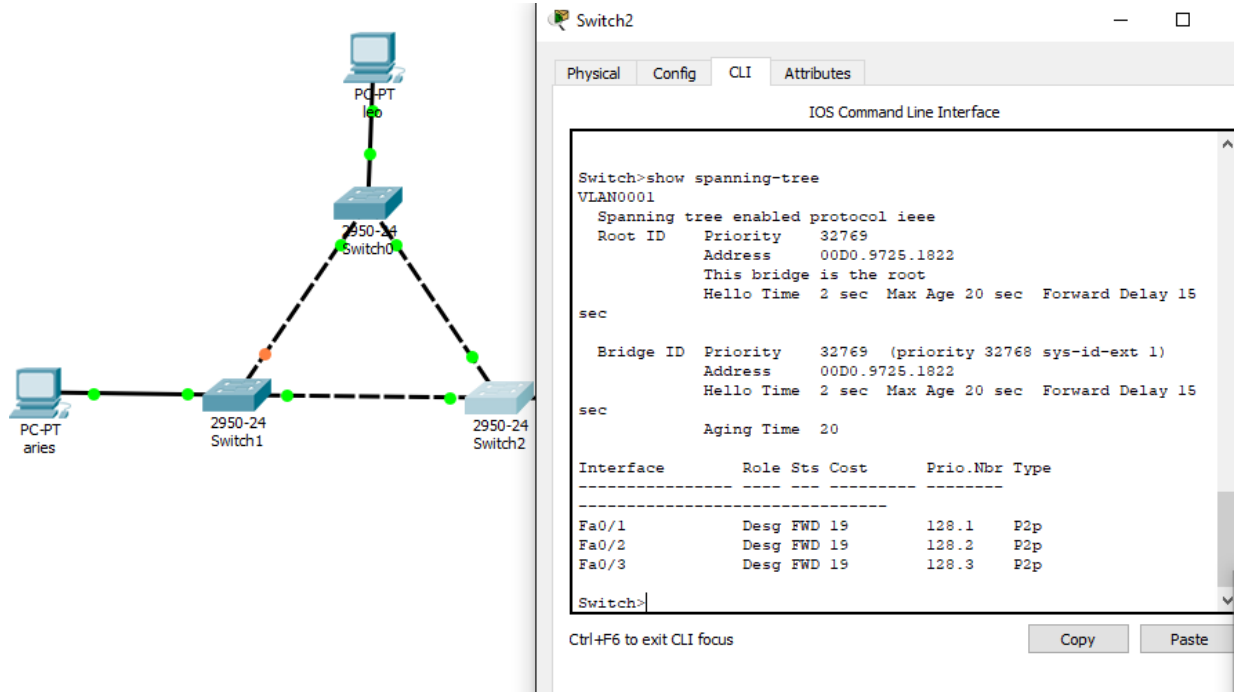
### SW1 (Switch0)



### SW2(Switch1)



## SW3 (Switch2)



## Tugas 4B

### SW1 (Switch0)

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.9725.1822
4	Bridge ID	-
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 (Switch1)

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.9725.1822
4	Bridge ID	-
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(Switch2)

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.9725.1822
4	Bridge ID	-
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

#### SW1

- Fa0/1 : Designated
- Fa0/2 : Designated
- Fa0/3 : Root

## **SW2**

- Fa0/1 : Designated
- Fa0/2 : Alternated
- Fa0/3 : Root

## **SW3**

- Fa0/1 : Designated
- Fa0/2 : Designated
- Fa0/3 : Designated

## **Tugas 4D**

### **SW1**

- Fa0/1 : Forwarding
- Fa0/2 : Forwarding
- Fa0/3 : Forwarding

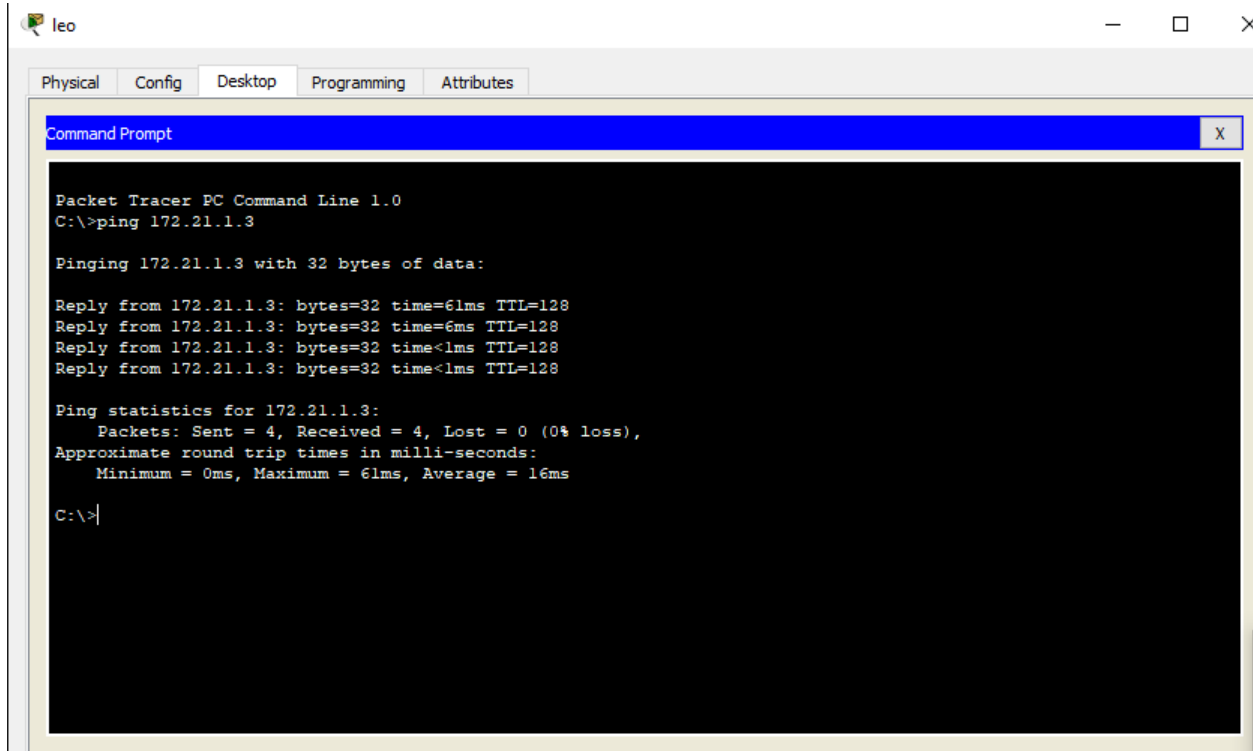
### **SW2**

- Fa0/1 : Forwarding
- Fa0/2 : Blocking
- Fa0/3 : Forwarding

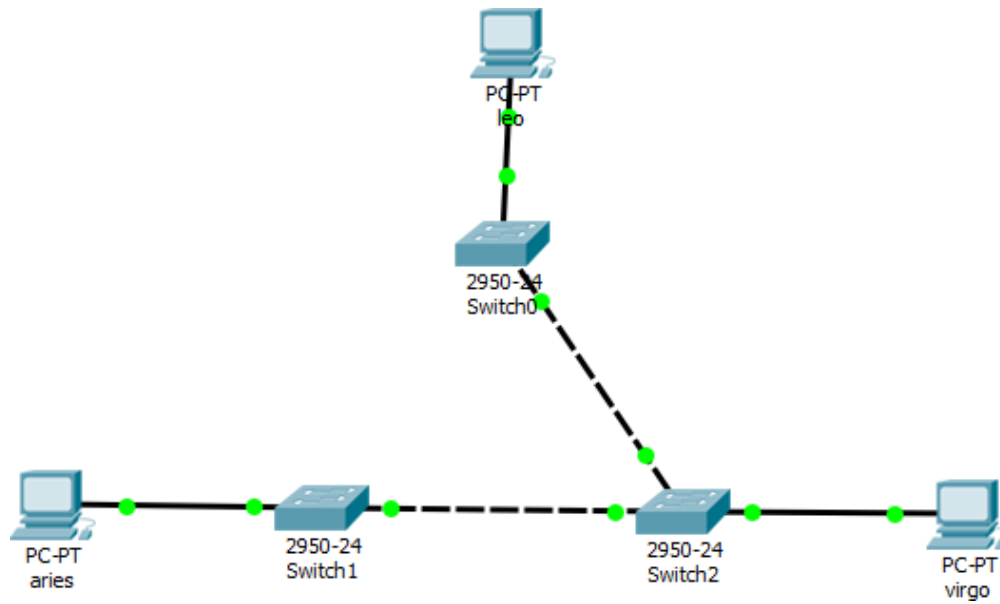
### **SW3**

- Fa0/1 : Forwarding
- Fa0/2 : Forwarding
- Fa0/3 : Forwarding

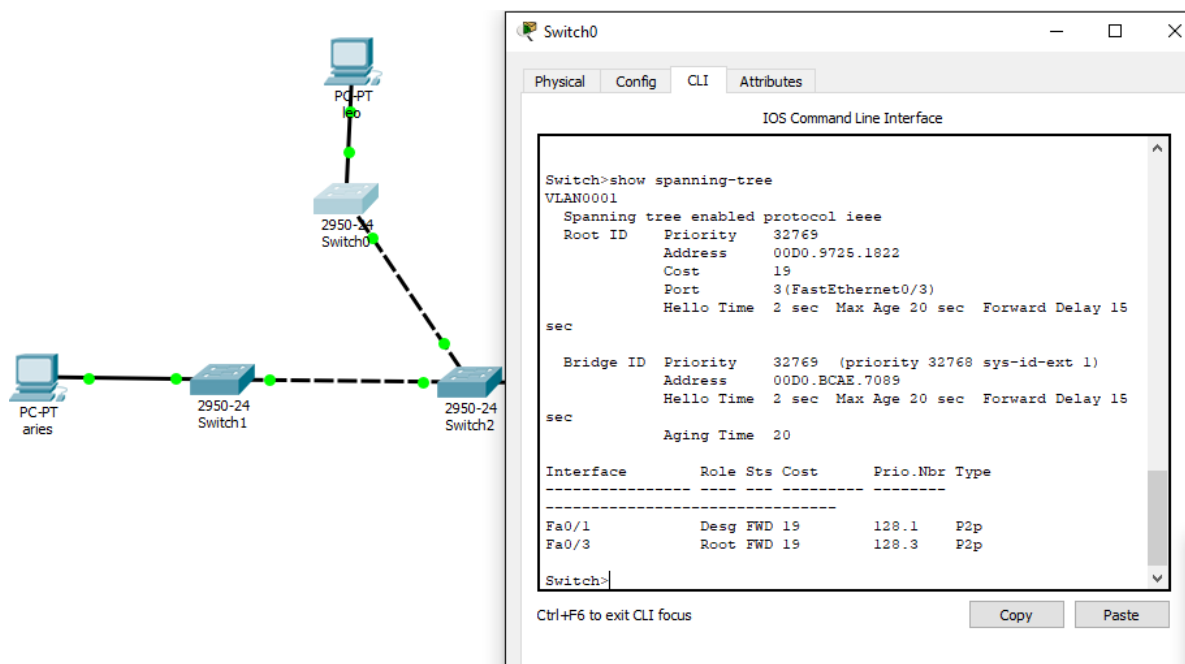
## Ping PC Leo ke PC Virgo



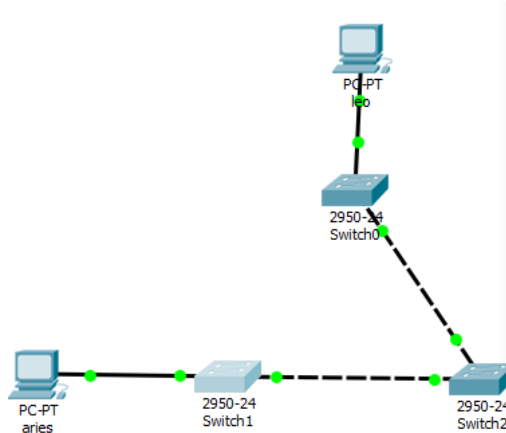
## KEGIATAN 2. TOPOLOGI 2



### SW1 (Switch0)



## SW2 (Switch1)



Switch1

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch>show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address    00D0.9725.1822
              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    00D0.D323.5564
              Hello Time 2 sec Max Age 20 sec Forward Delay 15
sec
              Aging Time 20
```

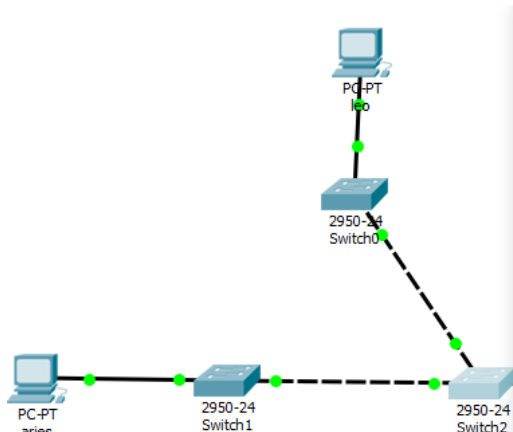
Interface	Role	Sts	Cost	Prio.Nbr	Type
Fa0/1	Desg	FWD	19	128.1	P2p
Fa0/3	Root	FWD	19	128.3	P2p

Switch>  
Switch>

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## SW3 (Switch2)



Switch2

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch>show spanning-tree
VLAN0001
  Spanning tree enabled protocol ieee
    Root ID    Priority    32769
              Address    00D0.9725.1822
              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    00D0.9725.1822
              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

Switch>

Ctrl+F6 to exit CLI focus

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**SW1 (Switch0)**

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.9725.1822
4	Bridge ID	-
5	Cost (0/1;0/3)	19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

**SW2 (Switch1)**

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.9725.1822
4	Bridge ID	-
5	Cost (0/1;0/3)	19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

**SW3(Switch2)**

No	Variabel	Nilai
1	Root ID	-
2	Priority	32769
3	MAC Address	00D0.9725.1822
4	Bridge ID	-

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

### **SW1**

- Fa0/1 : Designated
- Fa0/3 : Root

### **SW2**

- Fa0/1 : Designated
- Fa0/3 : Root

### **SW3**

- Fa0/1 : Designated
- Fa0/2 : Designated
- Fa0/3 : Designated

### **SW1**

- Fa0/1 : Forwarding
- Fa0/3 : Forwarding

### **SW2**

- Fa0/1 : Forwarding
- Fa0/3 : Forwarding

### **SW3**

- Fa0/1 : Forwarding
- Fa0/2 : Forwarding
- Fa0/3 : Forwarding

## Ping PC Leo ke PC Virgo

