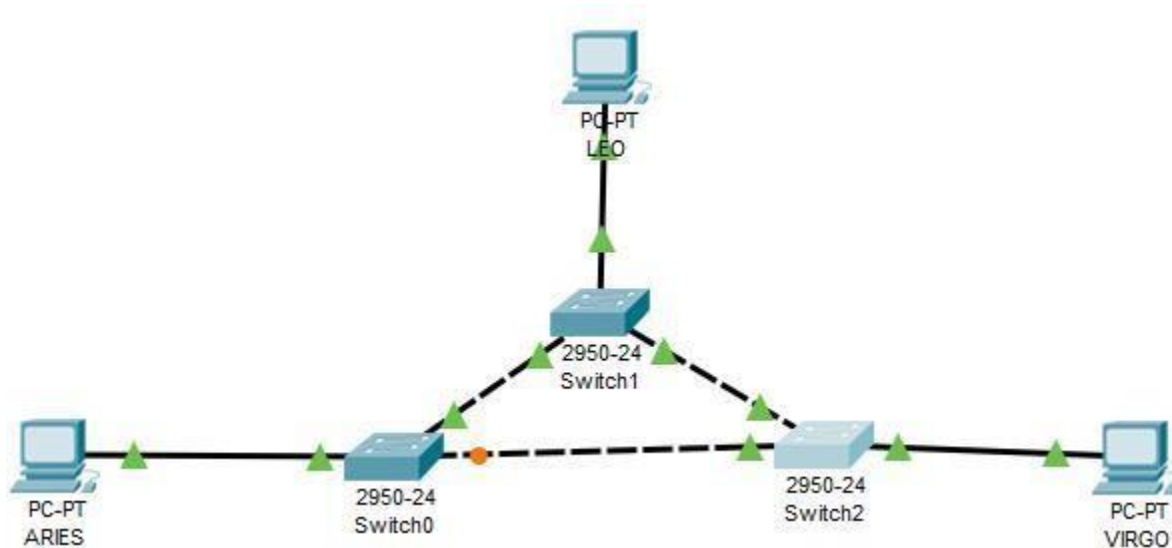


Nama : Hada Hidayat
NIM : L200170100
Kelas : C
Modul : 6

KEGIATAN 1

1.A Berikut adalah strukturtopologi

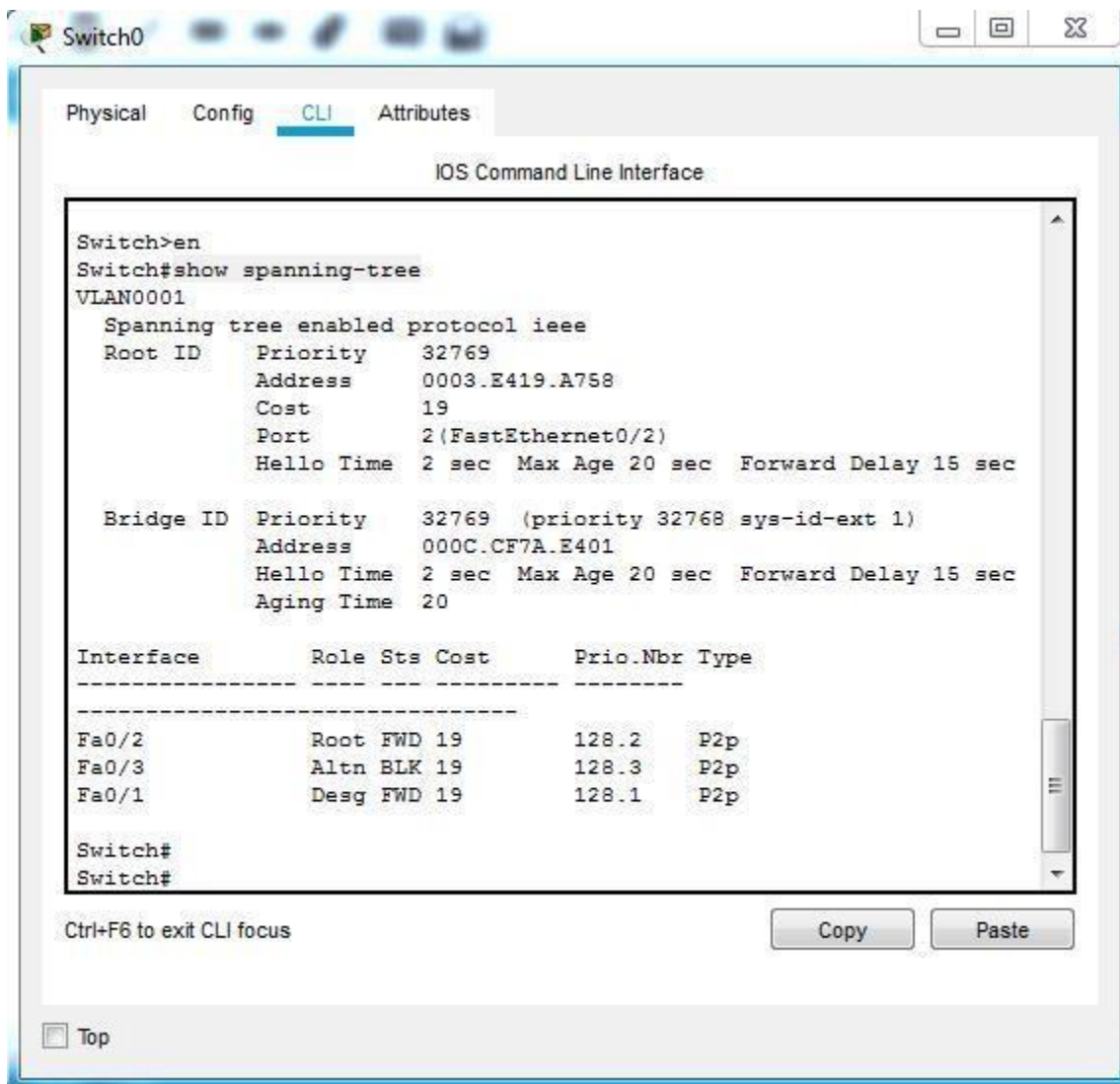


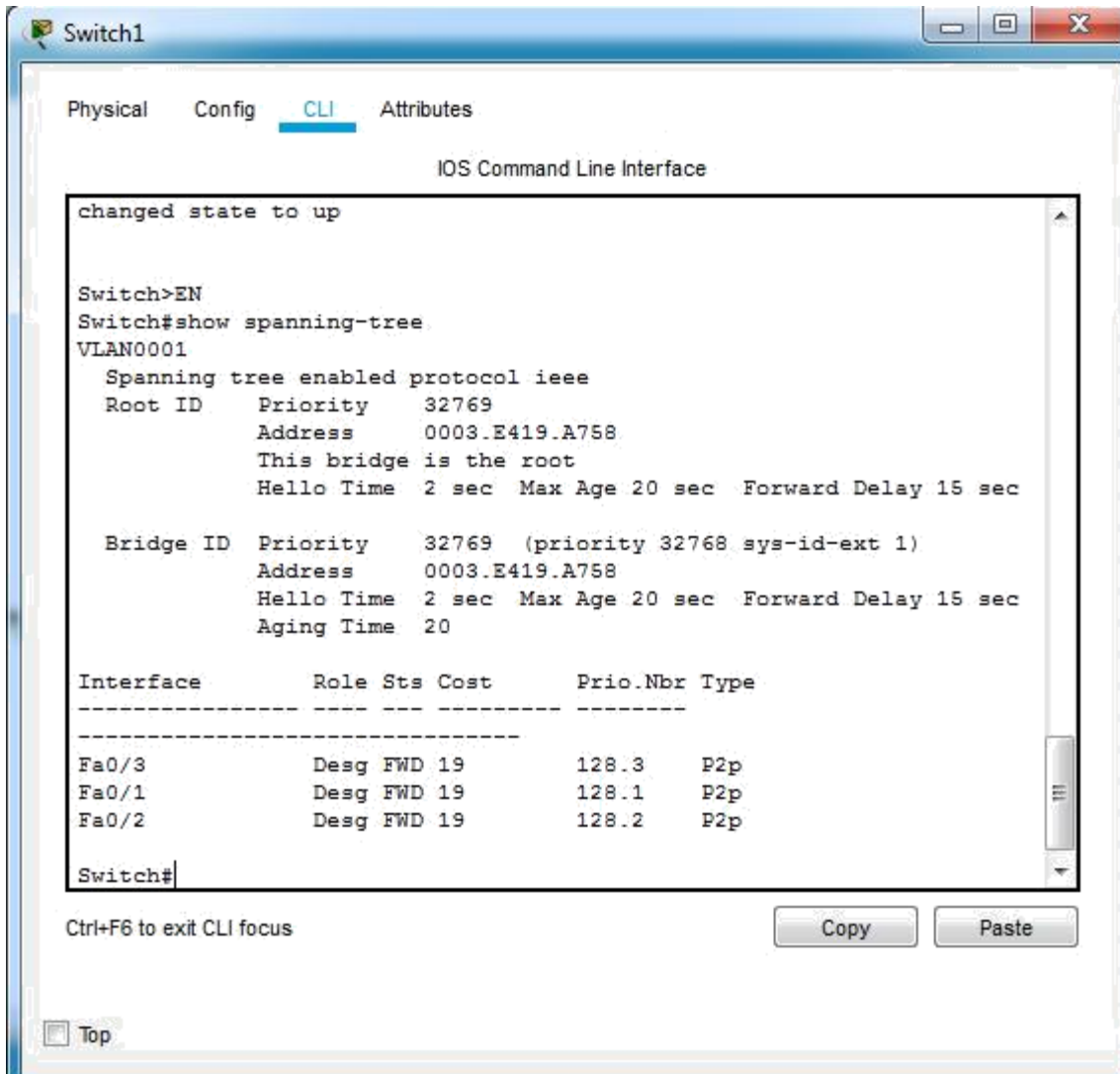
2.A Dari struktur jaringan diatas terdapat 3 Switch dan 3 *Workstation*, dengan nama *Switch* yaitu SW1, SW2, dan SW3. Sedangkan *Workstation* ialah Leo, Aries, danVirgo.

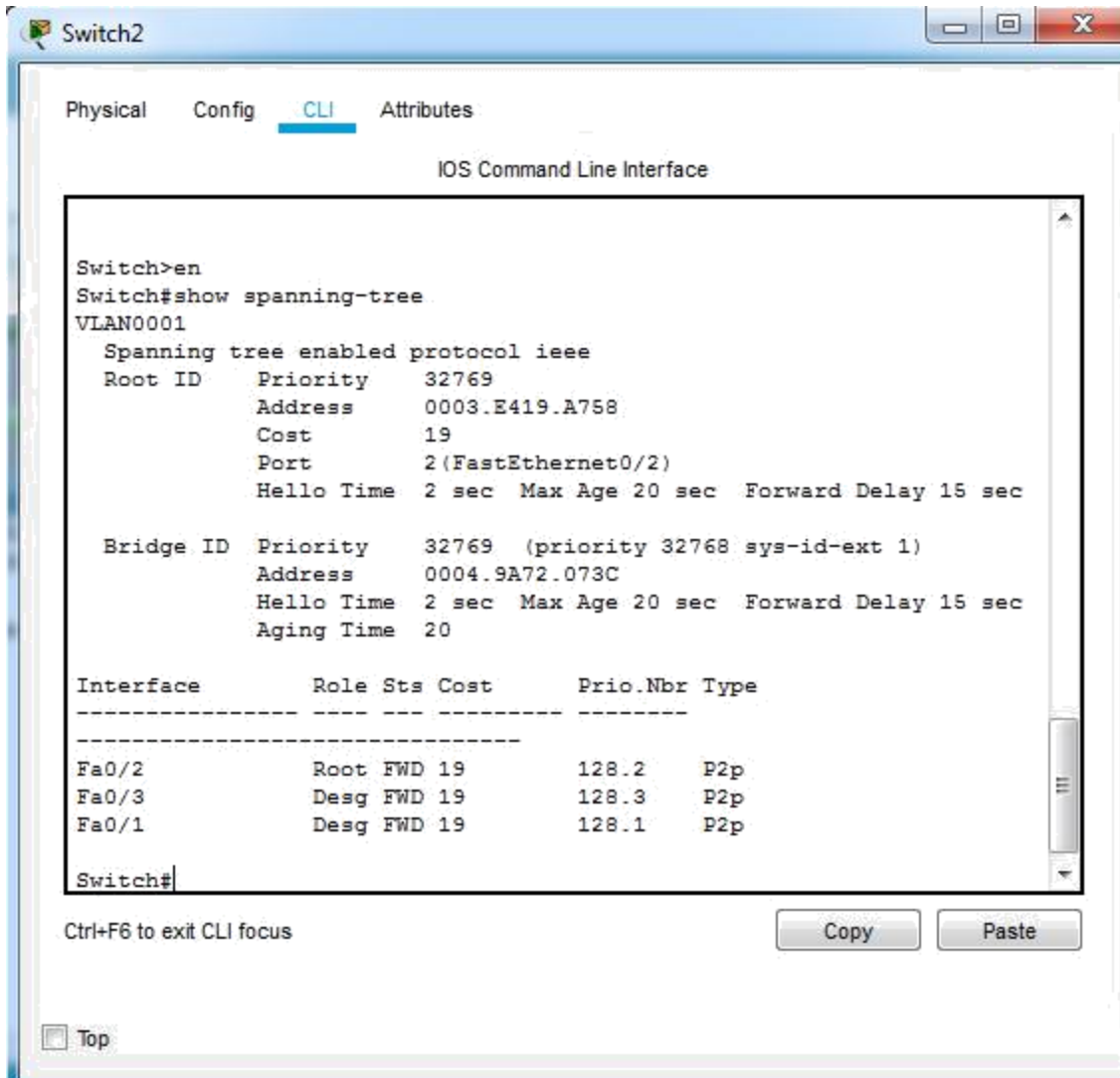
2. Setelah itu konfigurasi setiap *Workstation* dengan IPAddress:

- Leo =172.21.1.1/24
- Aries =172.21.1.2/24
- Virgo =172.21.1.3/24

4.A Tampilan masing-masing status STP(Spanning Tree Protocol) padaswitch.







B

SW0

No	Variable	Nilai
	Root ID	
1	Priority	32769
2	MAC Adress	0003.E419.A768
	Bridge ID	
3	Cost(0/1;0/2;0/3)	19
4	Hello Time	2 Sec
5	Max Age	20 Sec
6	Forward Delay	15 Sec

SW1

No	Variable	Nilai
	Root ID	
1	Priority	32769
2	MAC Address	0003.E419.A768
	Bridge ID	
3	Cost(0/1;0/2;0/3)	19
4	Hello Time	2 Sec
5	Max Age	20 Sec
6	Forward Delay	15 Sec

SW2

No	Variable	Nilai
	Root ID	
1	Priority	32769
2	MAC Address	0003.E419.A758
	Bridge ID	
3	Cost(0/1;0/2;0/3)	19
4	Hello Time	2 Sec
5	Max Age	20 Sec
6	Forward Delay	15 Sec

C

Pada kondisi default *Switch* dan *Port* yang menjadi :

- *Root Bridge* ialah **SwitchSW3**
- *Designated Bridge* ialah **SwitchSW1**
- *Root Port* ialah **Fa0/3** pada **SW1** dan **Fa0/3** pada **SW2**
- *Designated Port* ialah **Fa0/1** dan **Fa0/2**

D

Pada kondisi default port yang :

- Berada pada keadaan *forwarding* pada **SW1(Fa0/1, Fa0/2, dan Fa0/3)**, **SW2(Fa0/1 dan Fa0/3)**, dan **SW3(Fa0/1, Fa0/2, dan Fa0/3)**.
- Berada pada keadaan *blocking* pada **SW2(Fa0/2)**.

5. Ping dari Pc Leo keVirgo

```
C:\>ping 172.21.1.3

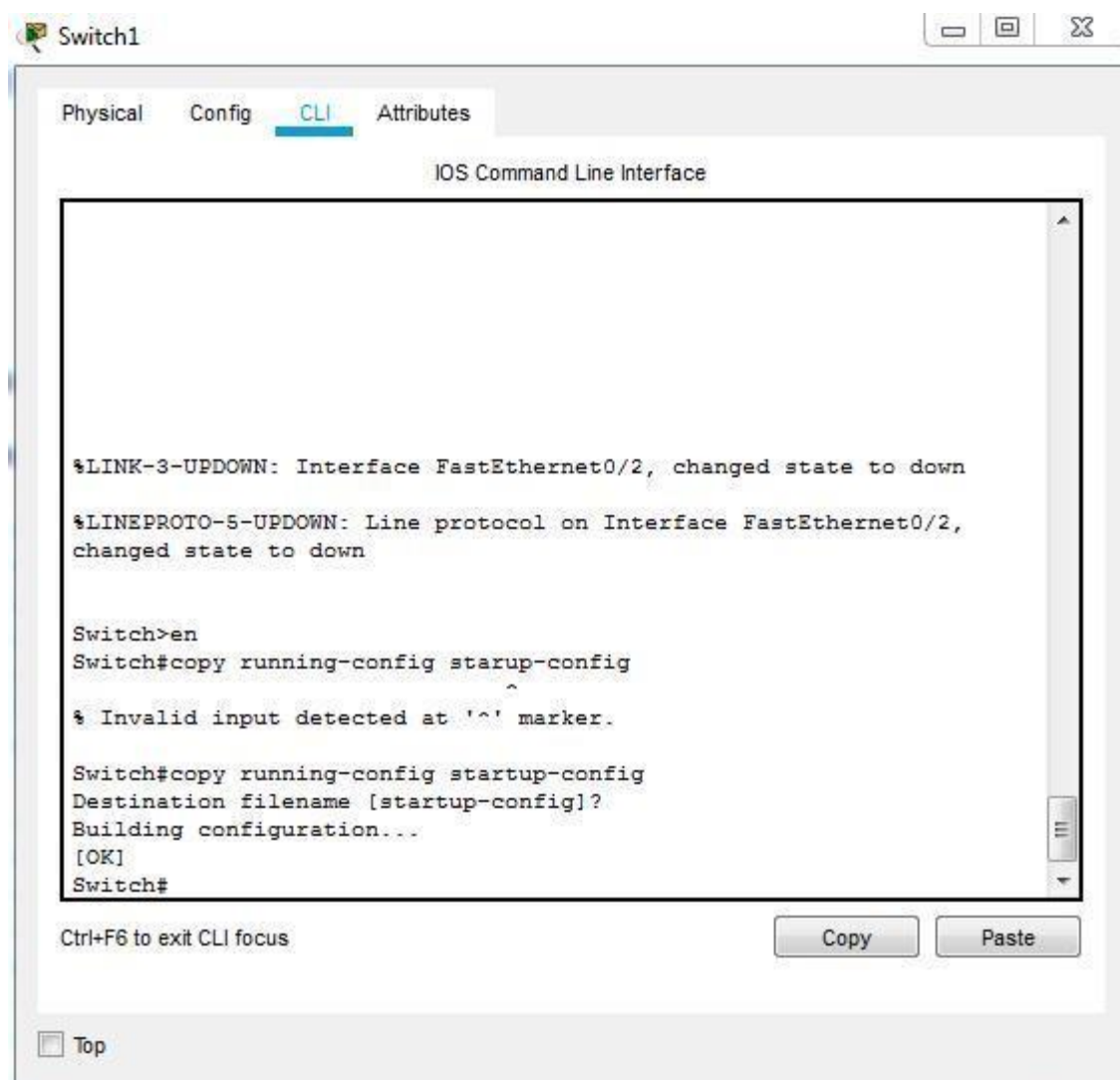
Pinging 172.21.1.3 with 32 bytes of data:

Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128

Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

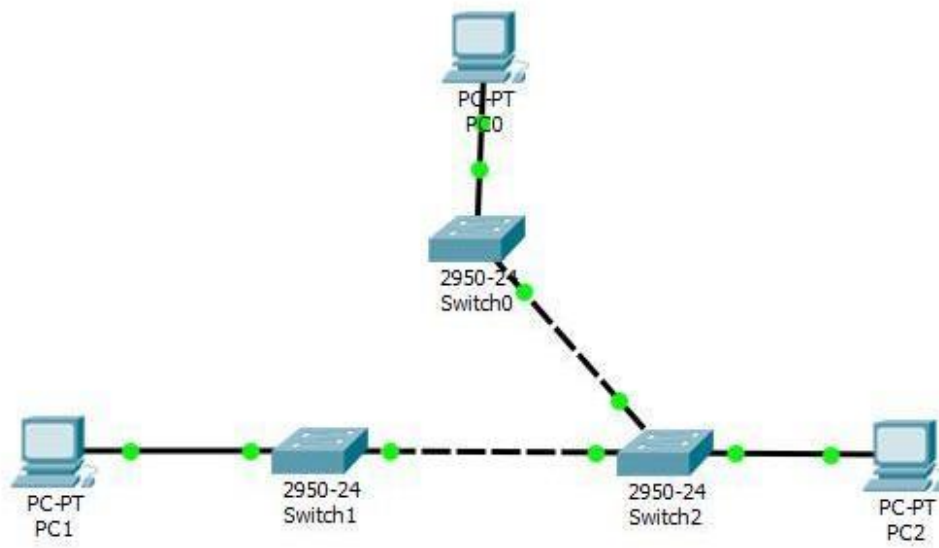
C:\>
```

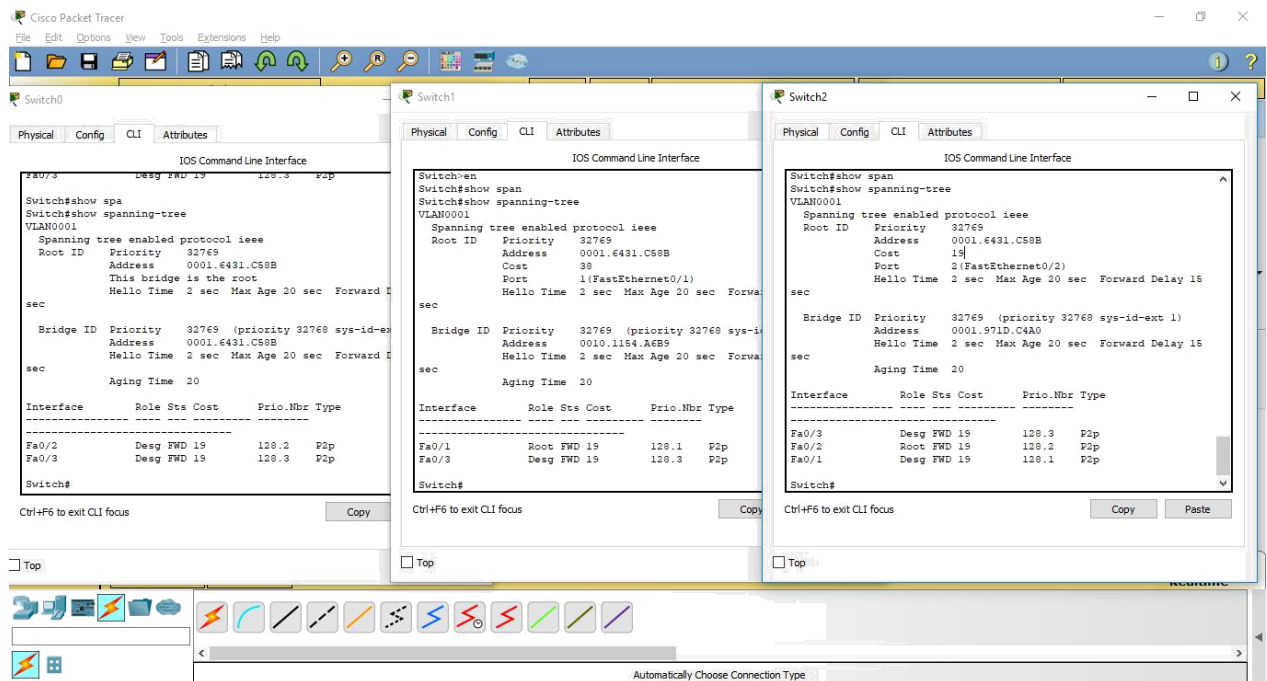
6.A Menyiapkan konfigurasiswitch



KEGIATAN 2.

Membuat Design Seperti dibawah ini lalu cek spanning tree





SW0

NO	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Addrres	0001.6431.C58B
4	Bridge ID	32769
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

NO	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Addrres	0001.6431.C58B
4	Bridge ID	32769
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

SW 2

NO	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Addrres	0001.6431.C58B
4	Bridge ID	32769
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

Root bridge : sw1 /sw2
Designated bridge : sw0
Root port : sw1 / sw 2
Designated port : sw0
Forwarding : sw0/sw1/sw2
Blocking : None

