AIM: To construct a VLAN and make the PC communi-
cate among a VLAN

TOPOLOGY:

Router 0

192.168.1.1   192.168.2.1.1

Switch-PT
Switch 0

Fa 9/1   fa/a   fa8/1   fa 3/1

Fa0   Fa0   Fa0   Fa0

PC 0   PC 1   PC2   PC3
192.168.1.2 192.168.1.3 192.168.2.2 192.168.2.3
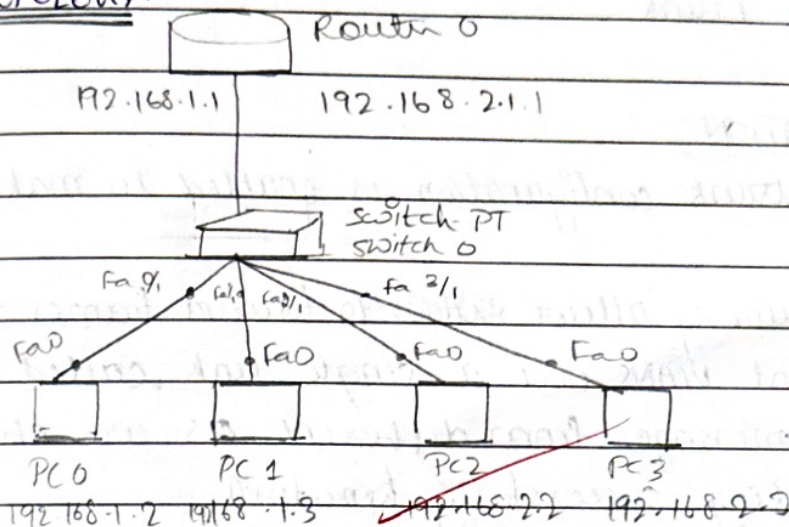
※ PROCEDURE

→ Place 4 PCs a switch, router and connect to switch
and switch to router using copper straight wire

→ Assing IP address to PC's. Give VLAN no., name in
switch and add.

In router 0 do:
>enable
config terminal
interface fa 0/0
exit
exit
vlan database
vlan 2 name
exit
config terminal
interface fa 0/0.1
encapsulation dotiq 2
ip address 192.168.2.1 255.255.255.0
no shut
exit

In switch 0 do
choose VAN database
Turn Port status on for the corresponding ethernet
Enable Trunk.

* OBSERVATION:

Proper trunk configuration is enabled to make VLAN work
properly
VLAN trunking allows switches to forward frames from
different VLANS over a single link called trunk
ping messages from different PCs are observed to
be working successfully henceforth