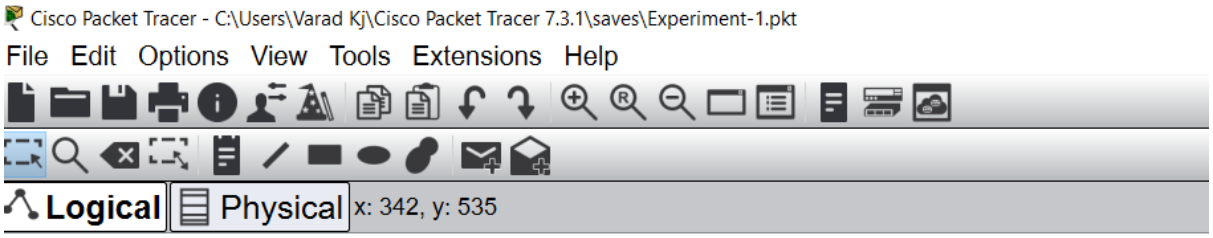
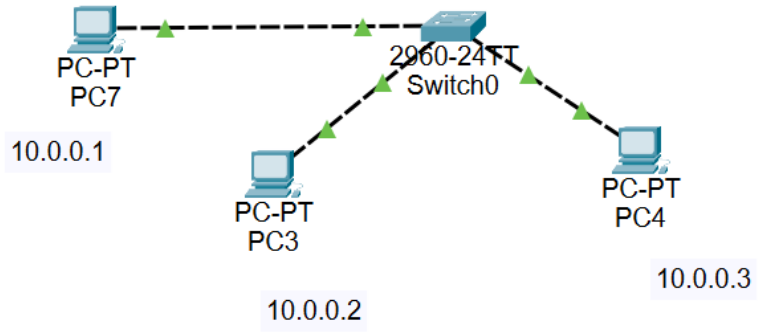
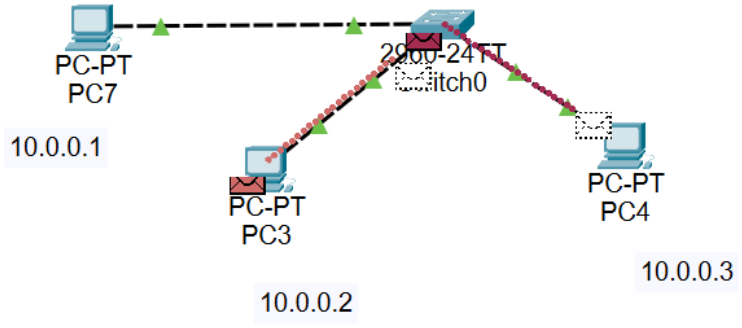
1BM18CS122 VARAD VITHAL KJ

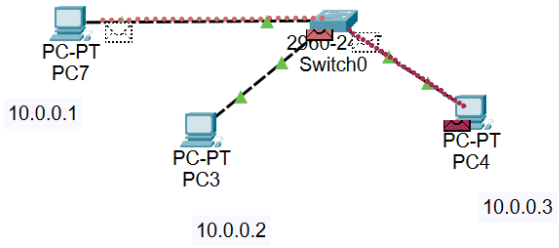
EXPERIMENT 1

WORKING OF SWITCH-

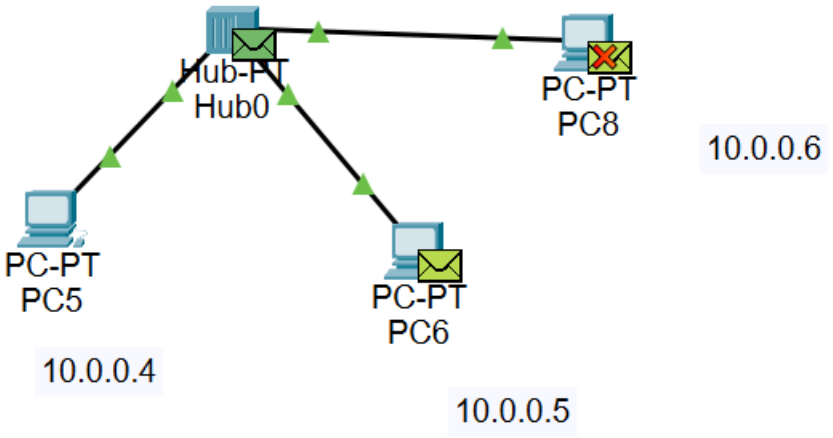

Cisco Packet Tracer - C:\Users\Varad Kj\Cisco Packet Tracer 7.3.1\saves\Experiment-1.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
x: 342, y: 535

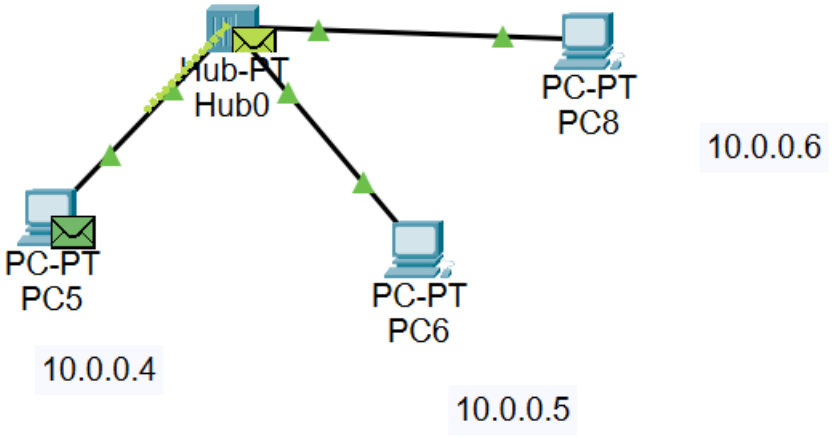

PC-PT
PC7
10.0.0.1
2960-24TT
Switch0
PC-PT
PC3
10.0.0.2
PC-PT
PC4
10.0.0.3

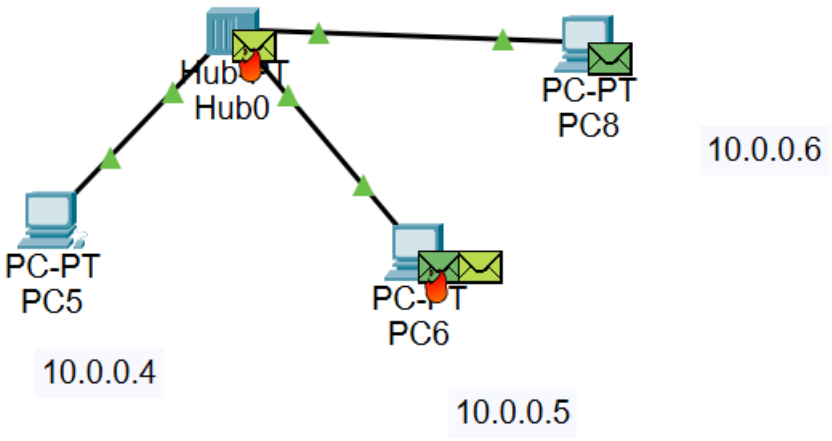

PC-PT
PC7
10.0.0.1
2960-24TT
itch0
PC-PT
PC3
10.0.0.2
PC-PT
PC4
10.0.0.3

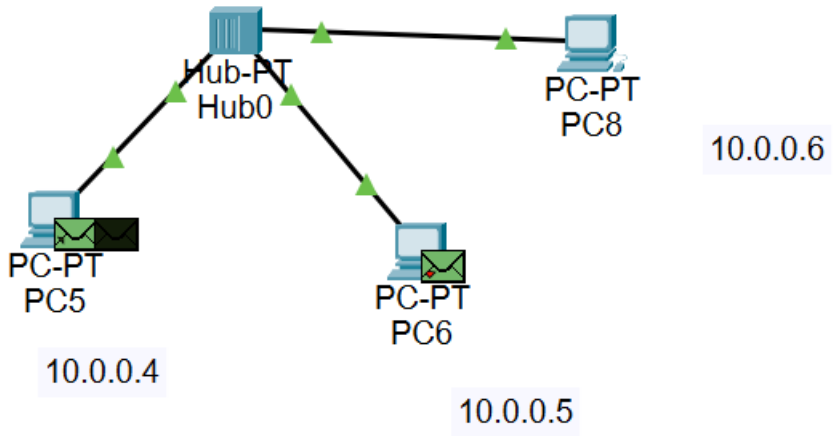


WORKING OF HUB-

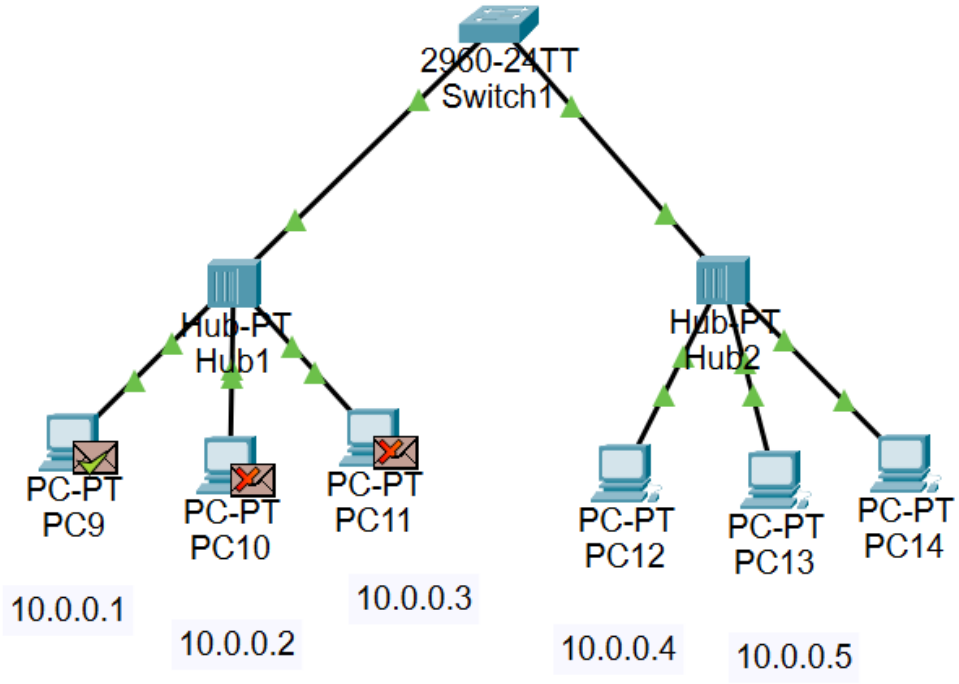

Hub-PT
Hub0
PC-PT
PC8
10.0.0.6
PC-PT
PC5
PC-PT
PC6
10.0.0.4
10.0.0.5

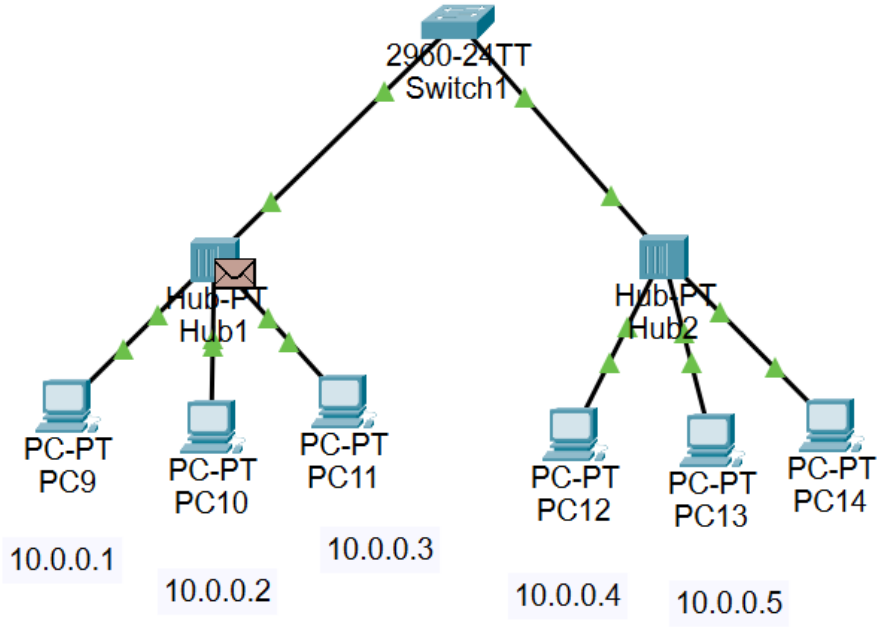

Hub-PT
Hub0
PC-PT
PC8
10.0.0.6
PC-PT
PC5
PC-PT
PC6
10.0.0.4
10.0.0.5

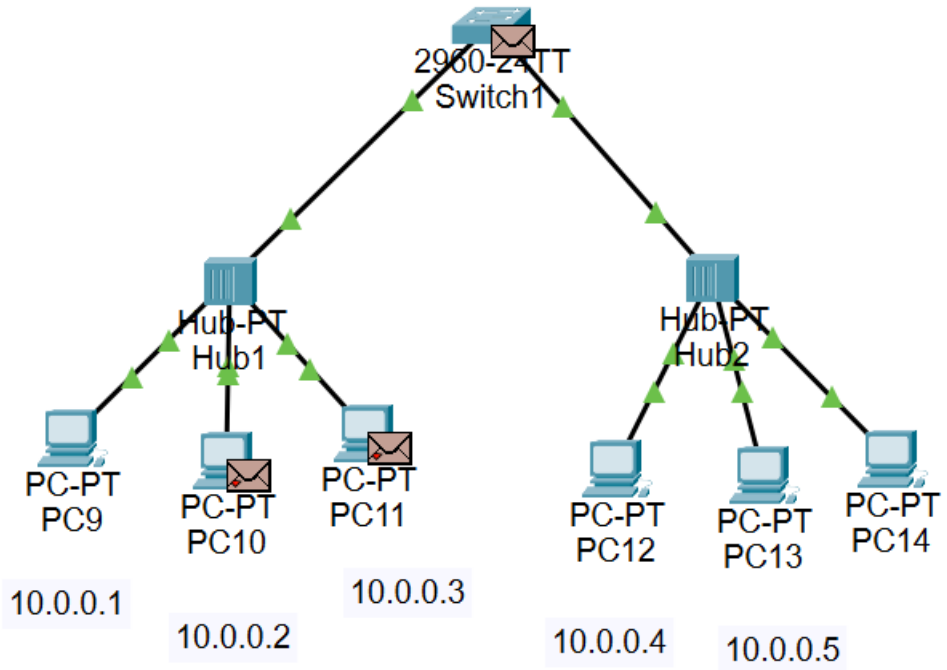

Hub-PT
Hub0
PC-PT
PC8
10.0.0.6
PC-PT
PC5
PC-PT
PC6
10.0.0.4
10.0.0.5

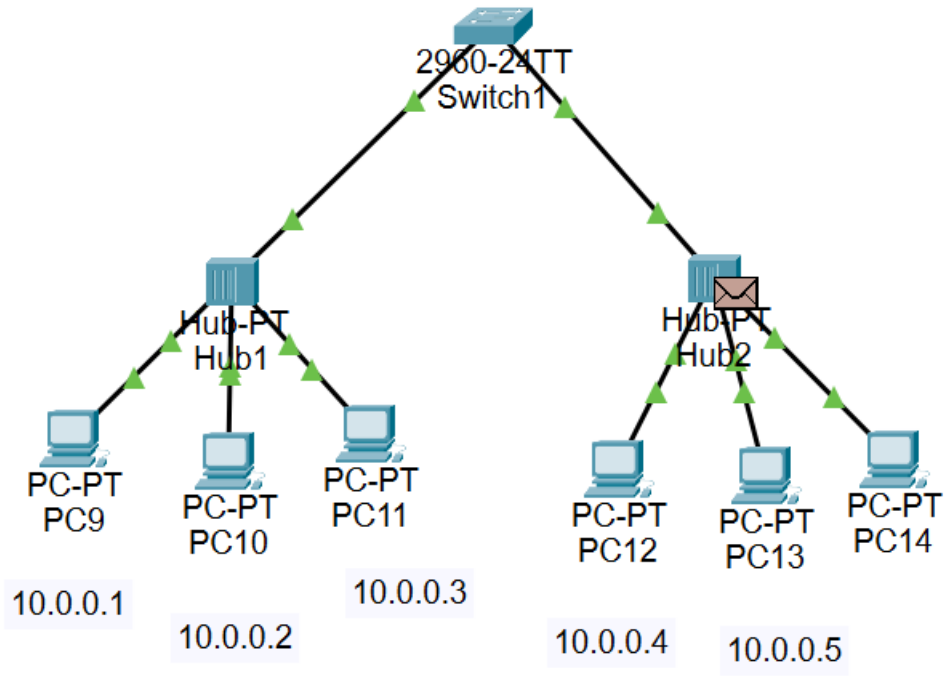

Hub-PT
Hub0
PC-PT
PC8
10.0.0.6
PC-PT
PC5
PC-PT
PC6
10.0.0.4
10.0.0.5

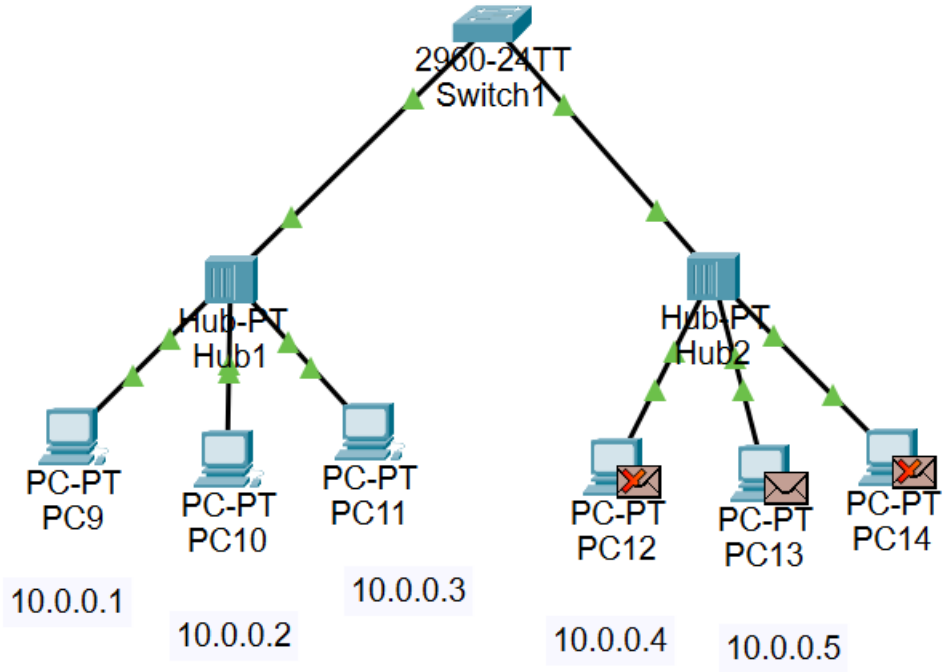
2 HUBS CONNECTED TO A SWITCH-

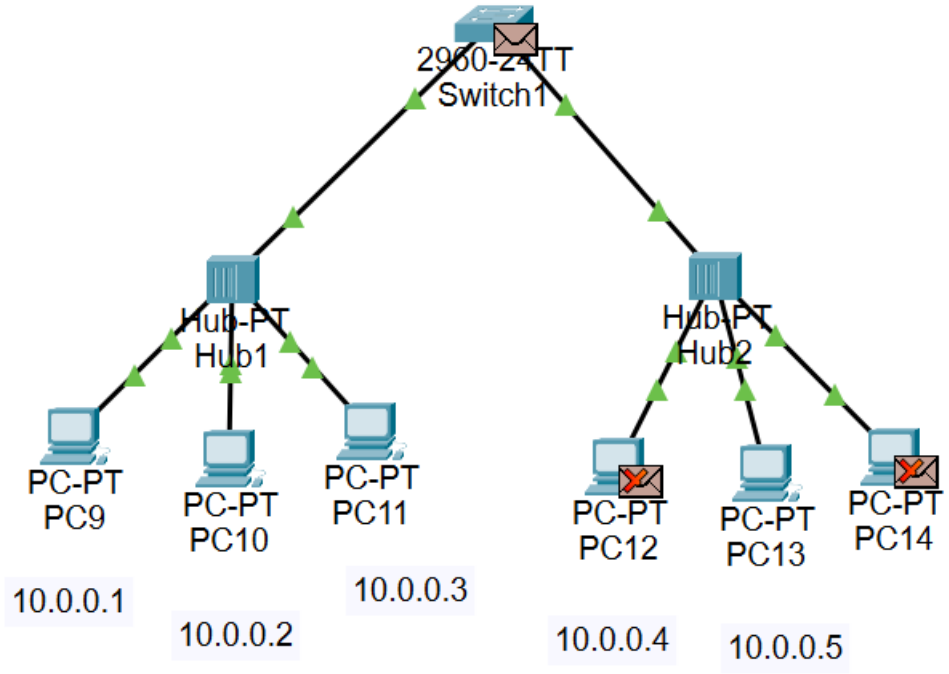



2960-24TT
Switch1
Hub-PT
Hub1
Hub-PT
Hub2
PC-PT
PC9
PC-PT
PC10
PC-PT
PC11
PC-PT
PC12
PC-PT
PC13
PC-PT
PC14
10.0.0.1
10.0.0.2
10.0.0.3
10.0.0.4
10.0.0.5


2960-24TT
Switch1
Hub-PT
Hub1
Hub-PT
Hub2
PC-PT
PC9
PC-PT
PC10
PC-PT
PC11
PC-PT
PC12
PC-PT
PC13
PC-PT
PC14
10.0.0.1
10.0.0.2
10.0.0.3
10.0.0.4
10.0.0.5


2960-24TT
Switch1
Hub-PT
Hub1
Hub-PT
Hub2
PC-PT
PC9
PC-PT
PC10
PC-PT
PC11
PC-PT
PC12
PC-PT
PC13
PC-PT
PC14
10.0.0.1
10.0.0.2
10.0.0.3
10.0.0.4
10.0.0.5


2960-24TT
Switch1
Hub-PT
Hub1
Hub-PT
Hub2
PC-PT
PC9
PC-PT
PC10
PC-PT
PC11
PC-PT
PC12
PC-PT
PC13
PC-PT
PC14
10.0.0.1
10.0.0.2
10.0.0.3
10.0.0.4
10.0.0.5


2960-24TT
Switch1
Hub-PT
Hub1
Hub-PT
Hub2
PC-PT
PC9
PC-PT
PC10
PC-PT
PC11
PC-PT
PC12
PC-PT
PC13
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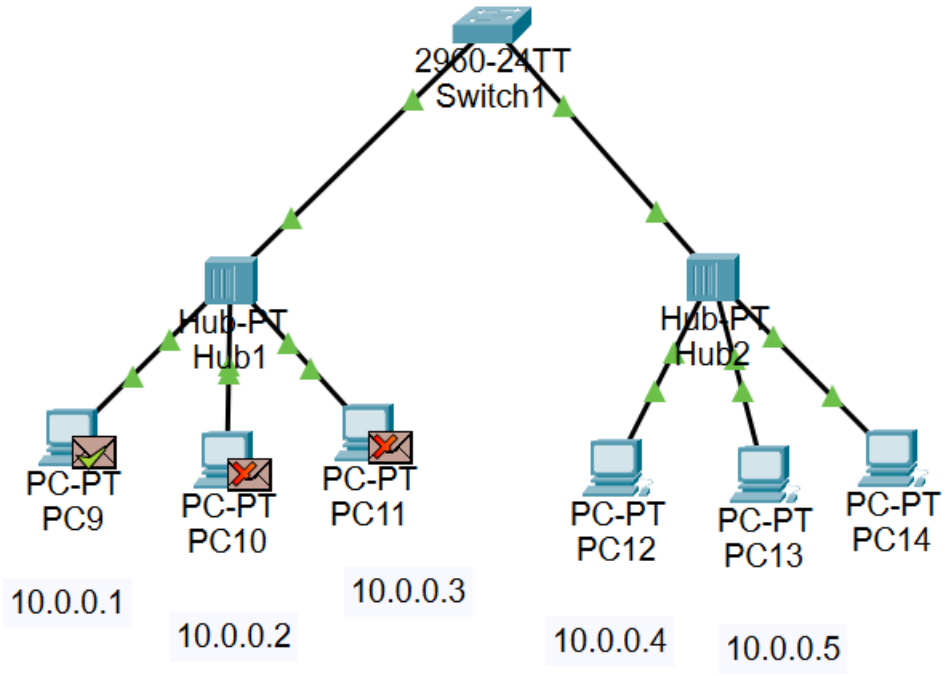
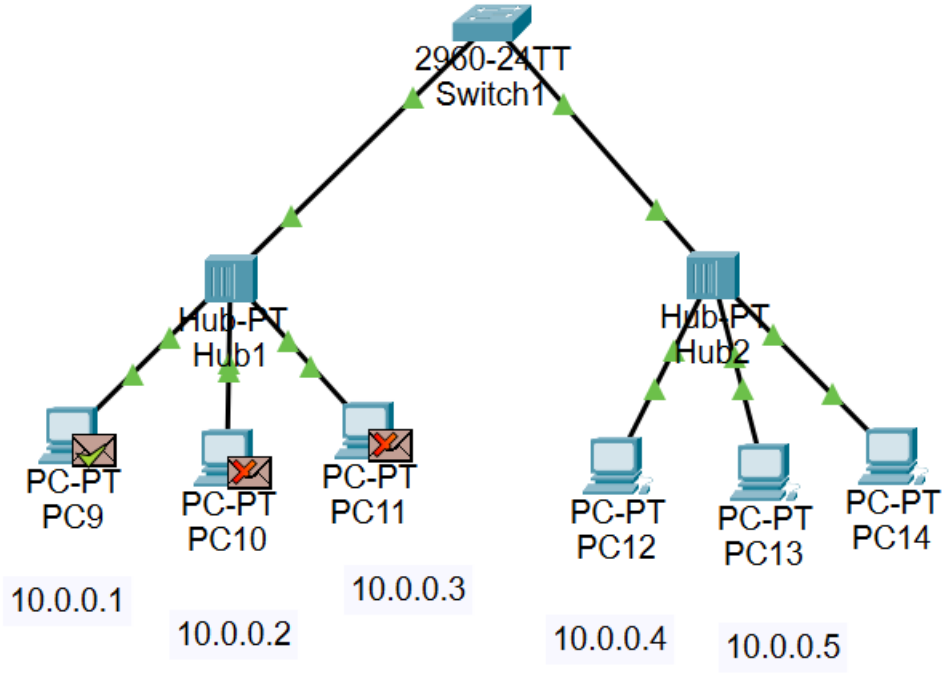
PC14
10.0.0.1
10.0.0.2
10.0.0.3
10.0.0.4
10.0.0.5


2960-24TT
Switch1
Hub-PT
Hub1
Hub-PT
Hub2
PC-PT
PC9
PC-PT
PC10
PC-PT
PC11
PC-PT
PC12
PC-PT
PC13
PC-PT
PC14
10.0.0.1
10.0.0.2
10.0.0.3
10.0.0.4
10.0.0.5



OUTPUT/OBSERVATION-

1) The **switch** is a smart device and send the frame exactly to the destination IP address without broadcasting it to the whole network

2)The **Hub** is a dumb device and it broadcasts a data frame across all its devices and also broadcasts the reply across the network too