



2019

Subnetting

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Aim: Implementation of Subnetting in Ese CISCO packet tracer simulator.

Procedure:

1. Create the network using switches, router and PCs.
2. The IP address is as follows

Router 1:

Gigabit Ethernet 0/0 : 192.168.1.1

Gigabit Ethernet 0/1 : 192.168.2.1.

Switch S1:

Fast Ethernet 0/1 : 192.168.1.0/27

PC₁ : 192.168.1.11

PC₂ : 192.168.1.12

PC₃ : 192.168.1.13

PC₄ : 192.168.1.14

Default Gateway : 192.168.1.1.

Fast Ethernet 0/2 : 192.168.2.0/27.

PC₁ : 192.168.2.11

PC₂ : 192.168.2.12

PC₃ : 192.168.2.13

PC₄ : 192.168.2.14

Default gateway : 192.168.2.1.



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Router R2:

Fast Ethernet 0/0 : 0.192.168.3.1

Fast Ethernet 0/1 : 192.168.4.1.

Switch S2 :

Fast Ethernet 0/1 : 192.168.3.27.

PC1 : 192.168.3.11

PC2 : 192.168.3.12

PC3 : 192.168.3.13

PC4 : 192.168.3.14.

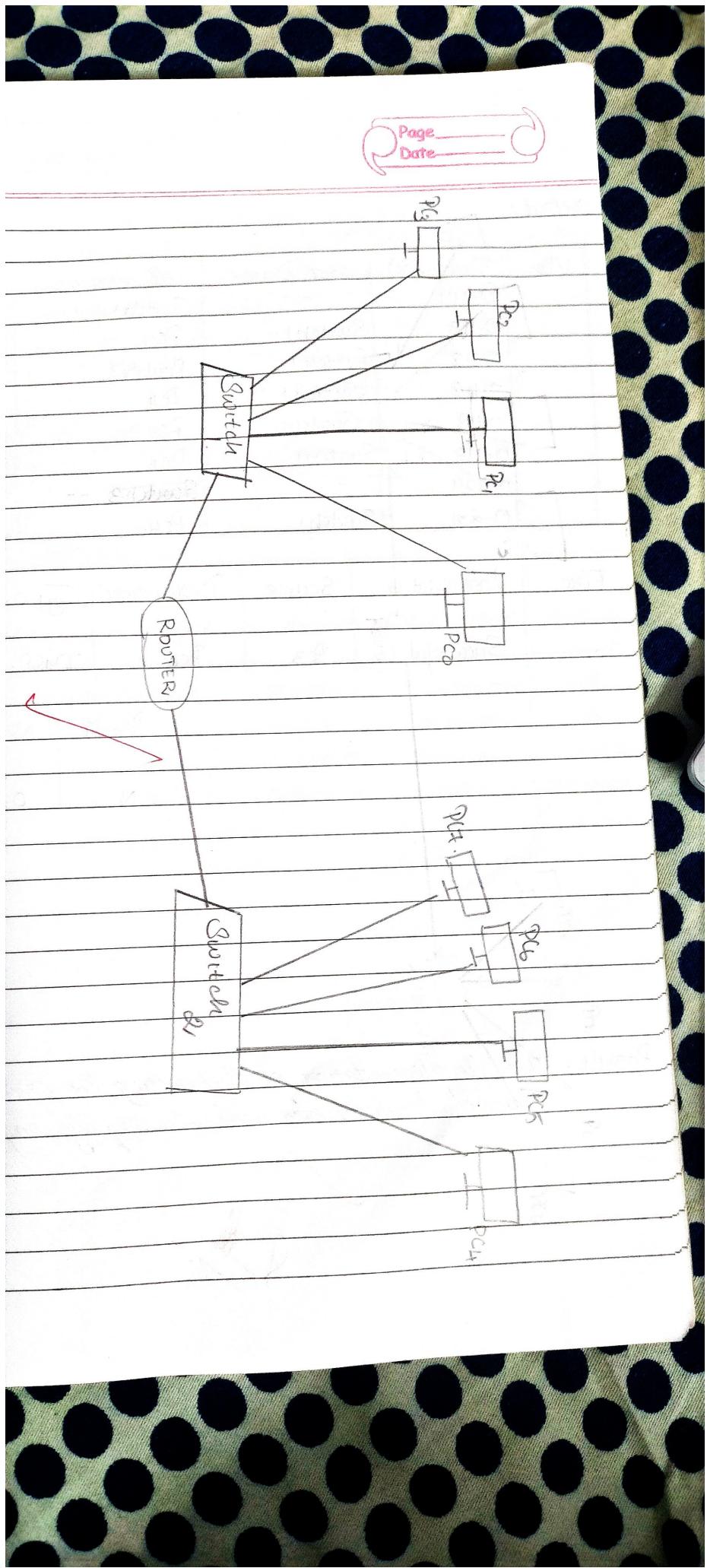
Fast Ethernet 0/2 : 192.168.4.0/27.

PC1 : 192.168.4.11

PC2 : 192.168.4.12

PC3 : 192.168.4.13.

PC4 : 192.168.4.14.



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Output:

Vis	Time (sec)	Last Device	At device
0.117	-		Switch1
0.118	Switch1		PC1
0.118	Switch1		Router3
0.118	Switch1		PC4
0.118	Switch1		PC5
0.118	Switch1		PC6
0.229	-		--
0.231	Switch1		PC4.

File	Last Status	Source	Destination	Type	Time
	Successful	PC3	PC6	TMCPI	0.012

Periodic	Num
N	O.

Result: The implementation of Subnetting in Cisco Packet Tracer simulator has been successfully completed.

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