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Communication & Electronics Department

**Experiment (6): IP subnetting distribution**

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Sec (2)

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Objectives:

To implement subnetting and make configuration to Router using three modes for connect two LANs with each other .

Equipment / Program Requirements:

* Router
* Switches
* End devices

A diagram of a network

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A computer screen shot of a computer

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A screenshot of a computer

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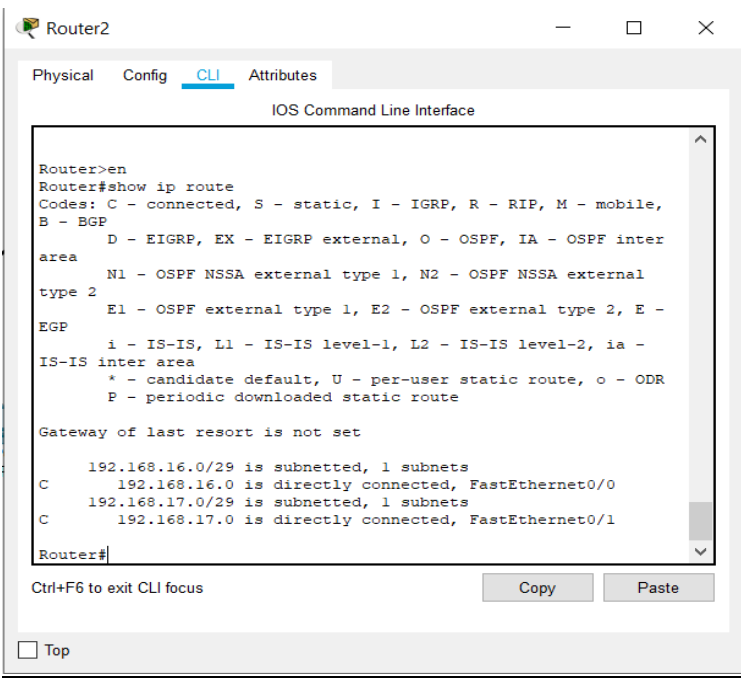
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A computer screen shot of a black and white computer screen

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A screenshot of a computer program

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A screenshot of a computer program

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Class C

Network Address 192.168.16.0/24

Default subnet mask 255.255.255.0

**After subnetting :**

11111111. 11111111. 11111111.11111000

255.255.255.248

Network Address 192.168.16.0/29

Valid host Ip = 8-2 = 6

First valid Ip Address : 192.168.16.1

Last valid Ip Address : 192.168.16.6