**Graphical user interface

Description automatically generated with medium confidence**

**Project Report**

**In partial fulfillment**

**of the requirement for the course of**

***“Computer Networks”***

**By**

**Zirwah Khalil | i220748**

**BSCS-C**

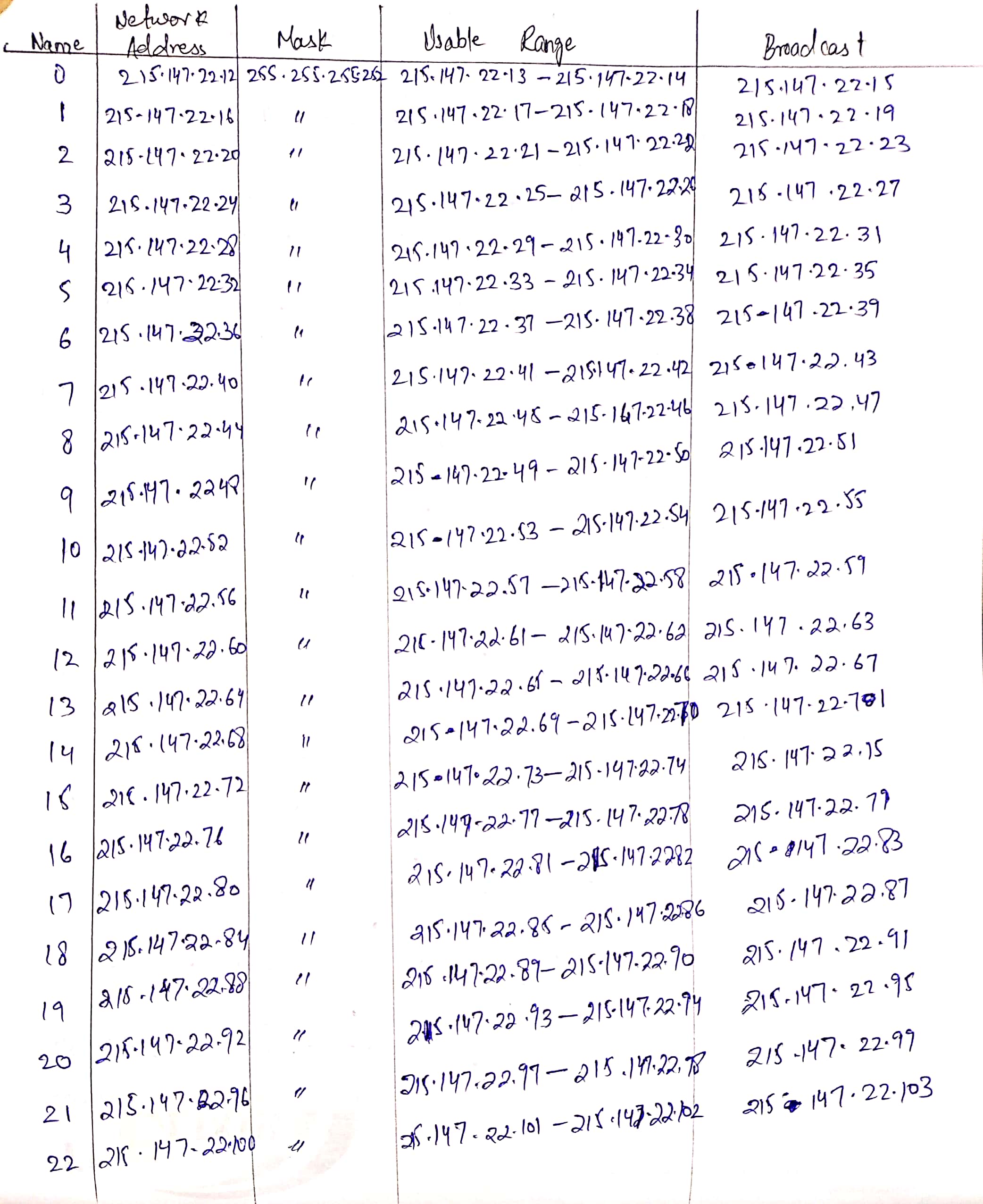
**Topology**

A diagram of a network

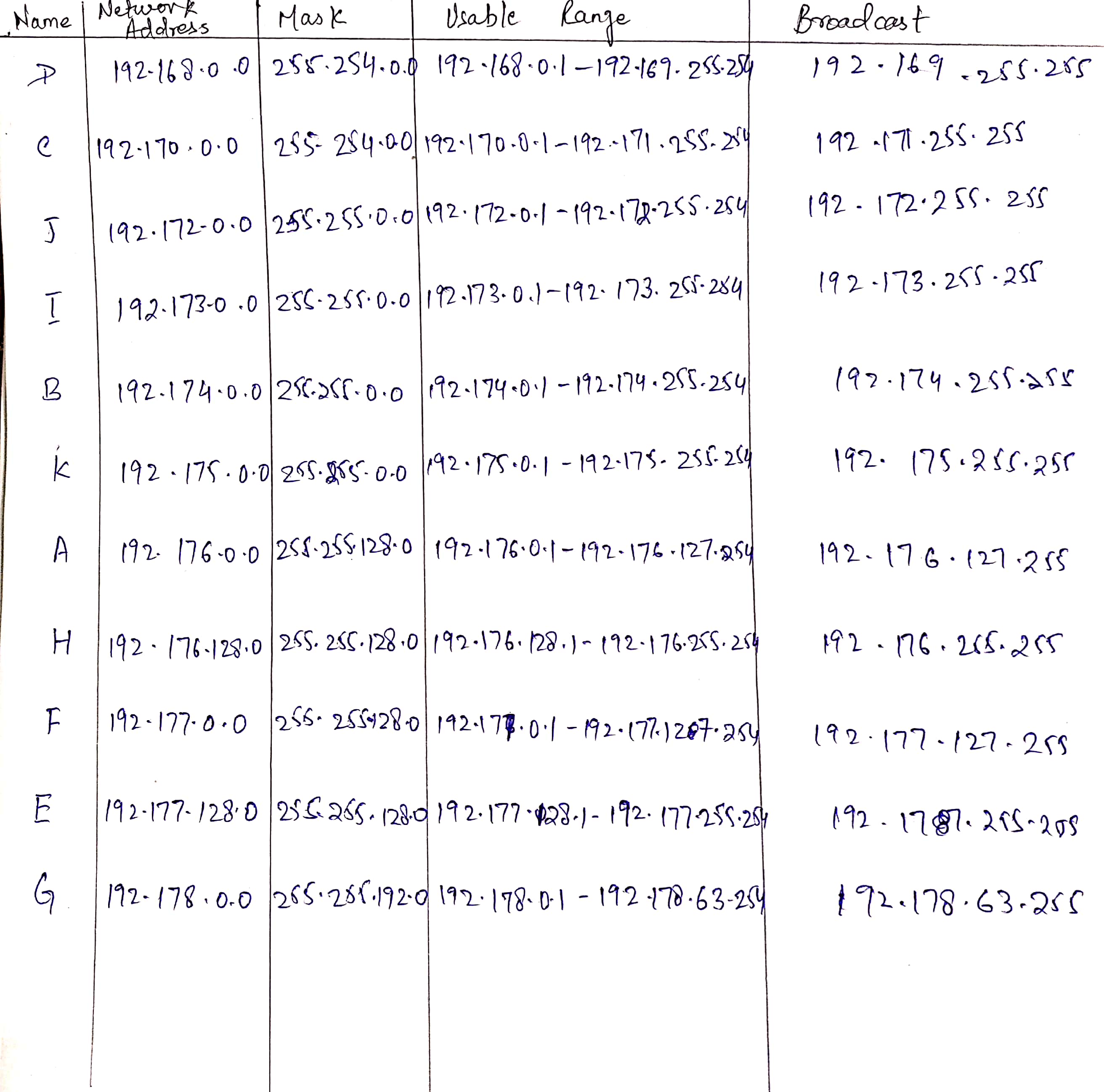
AI-generated content may be incorrect.

**VLSM**

**Public**

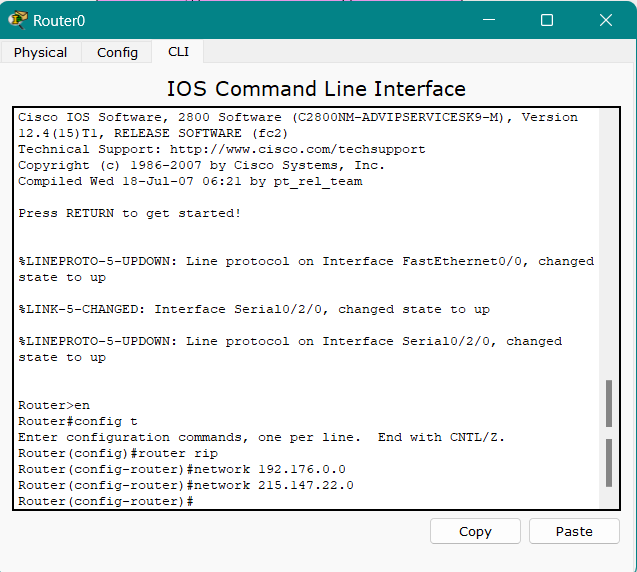
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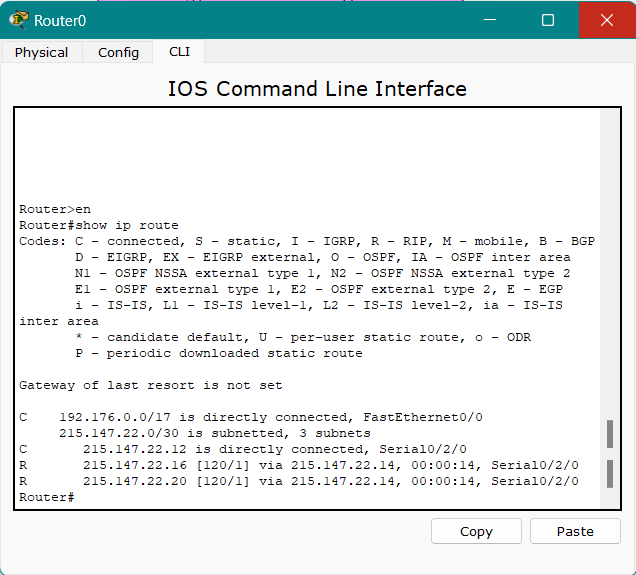
**Private**

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**Routing**

**RIP**

**Router 0  
**

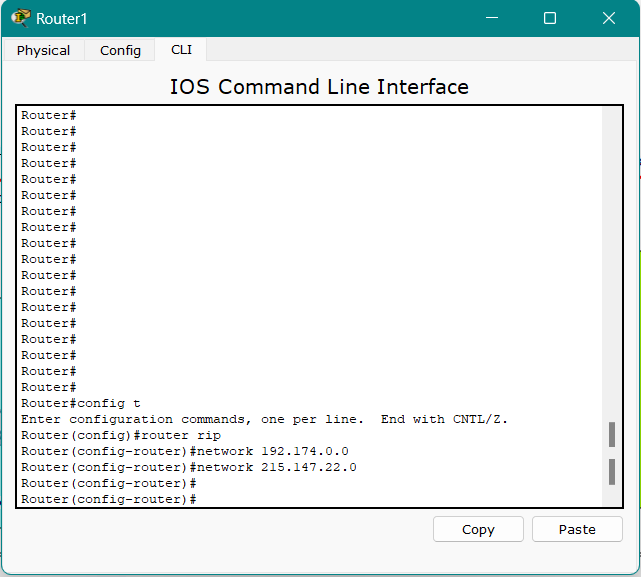
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**Routing Table**

**A screenshot of a computer

AI-generated content may be incorrect.**

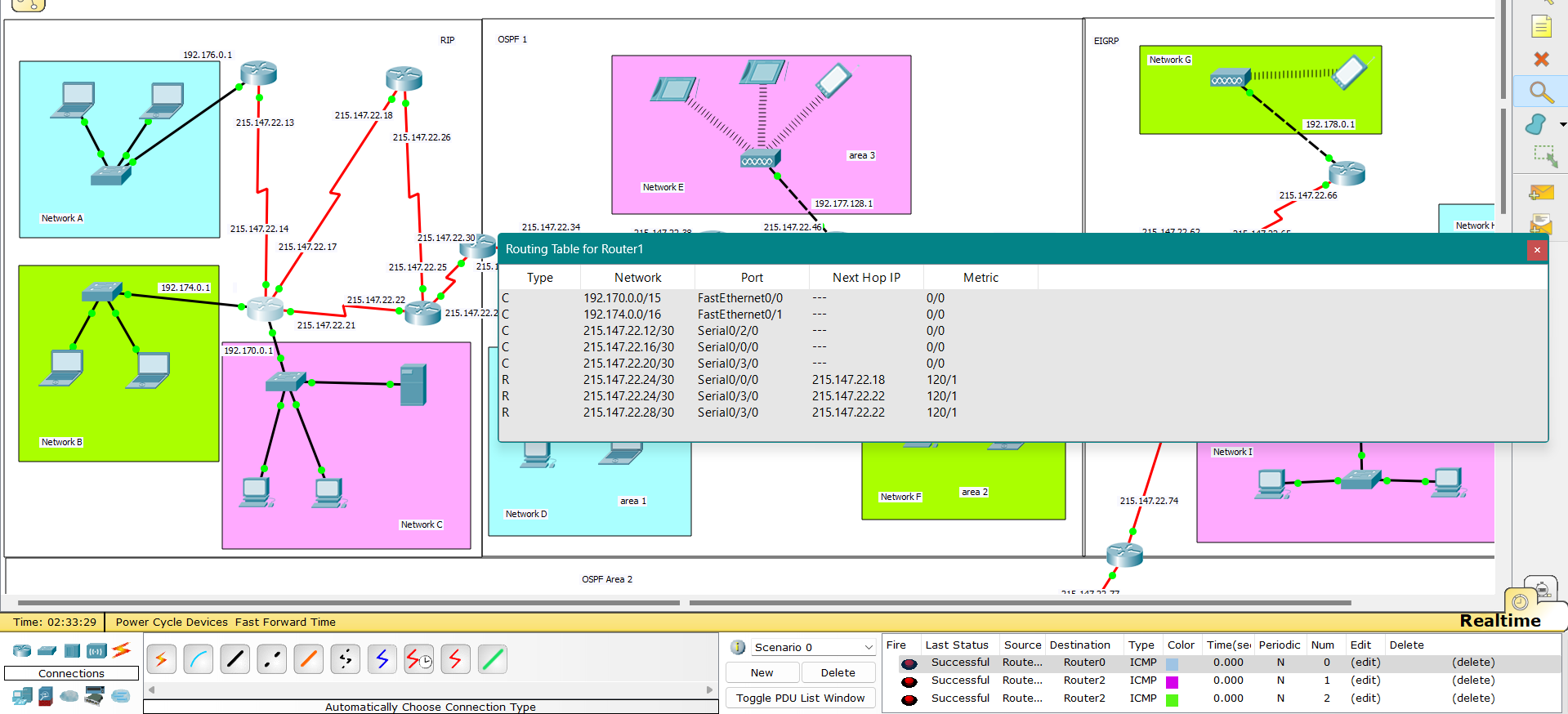
**Router 1**

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**A screenshot of a computer

AI-generated content may be incorrect.**

**Routing Table**

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**Router 2**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Routing Table**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Router 3**

**A screenshot of a computer

AI-generated content may be incorrect.**

**Routing Table**

**A computer screen shot of a computer

AI-generated content may be incorrect.**

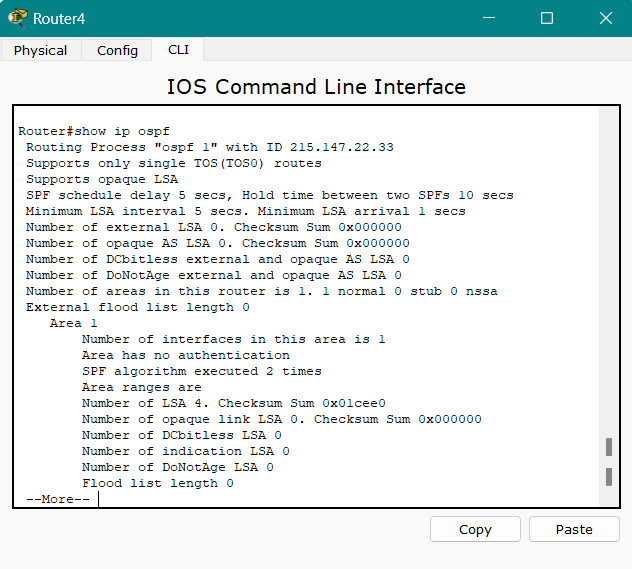
**Packet Transfer**

**A screenshot of a computer

AI-generated content may be incorrect.**

**RIP and OSPF 1**

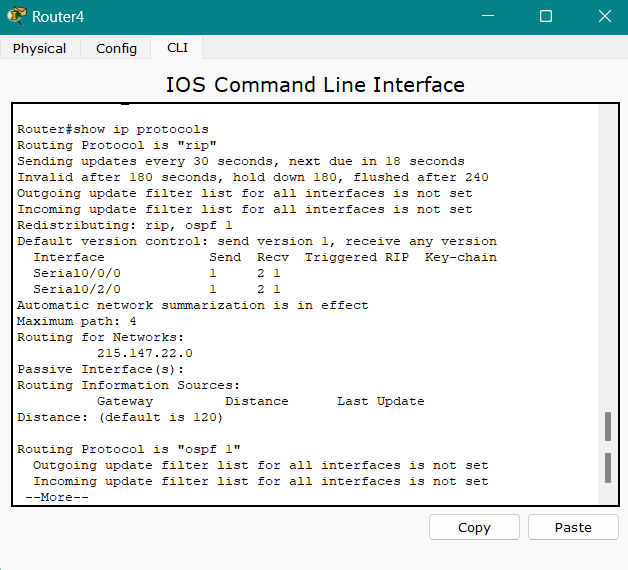
**Router 4**

****

**Redistribution**

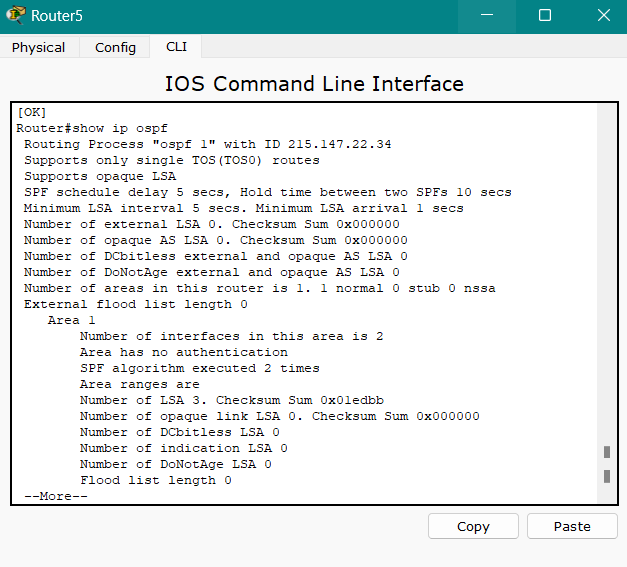
**A screenshot of a computer

AI-generated content may be incorrect.**

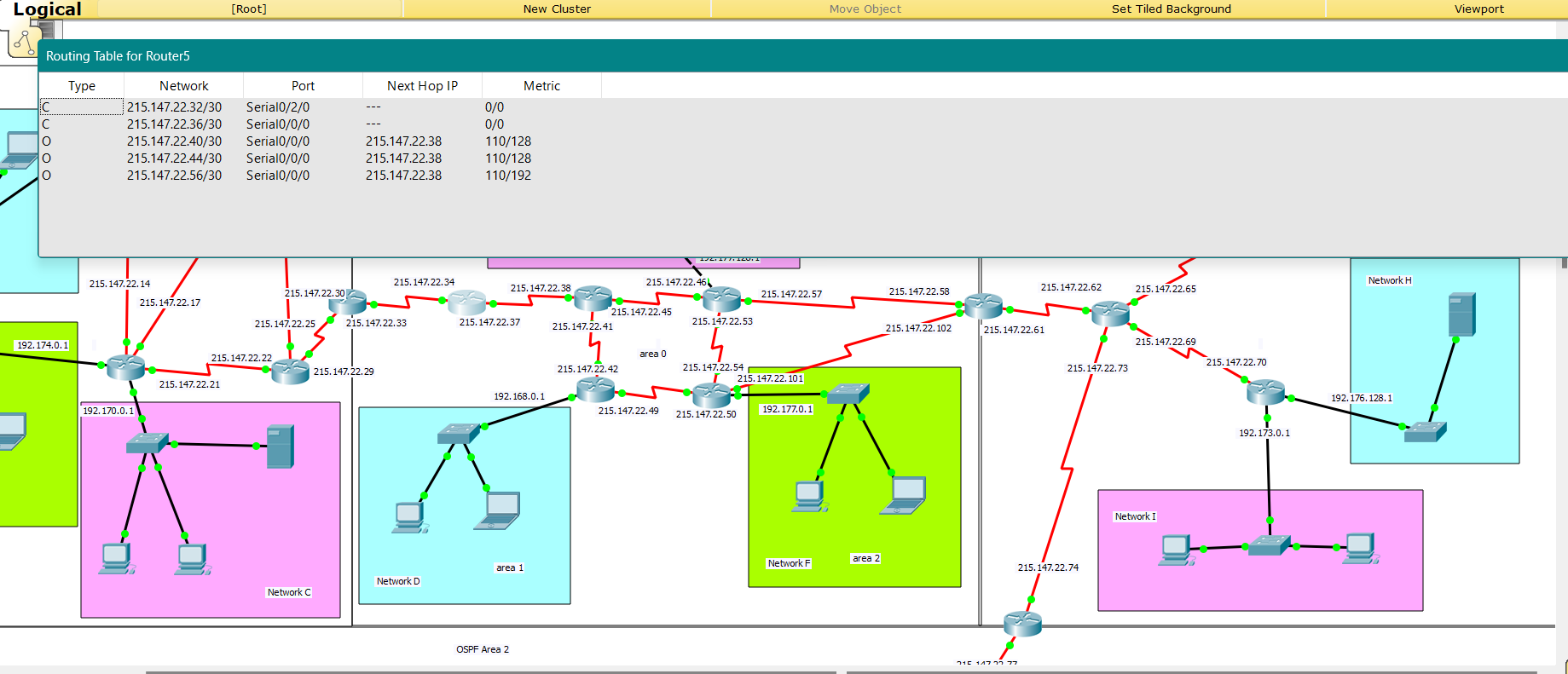
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**OSPF 1**

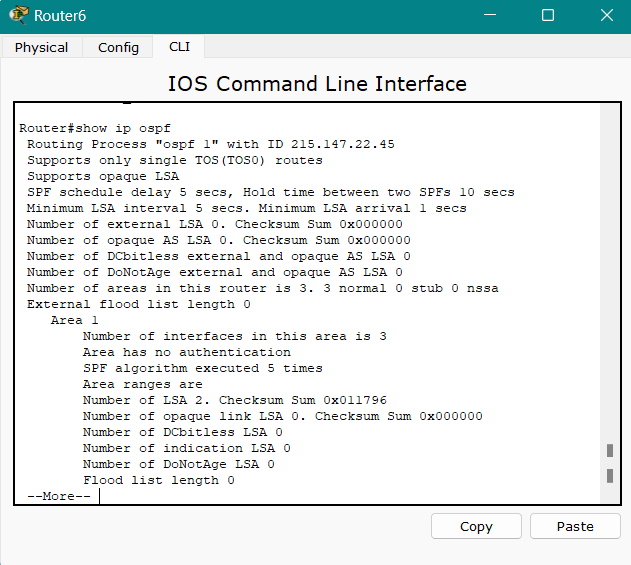
**Router 5**

****

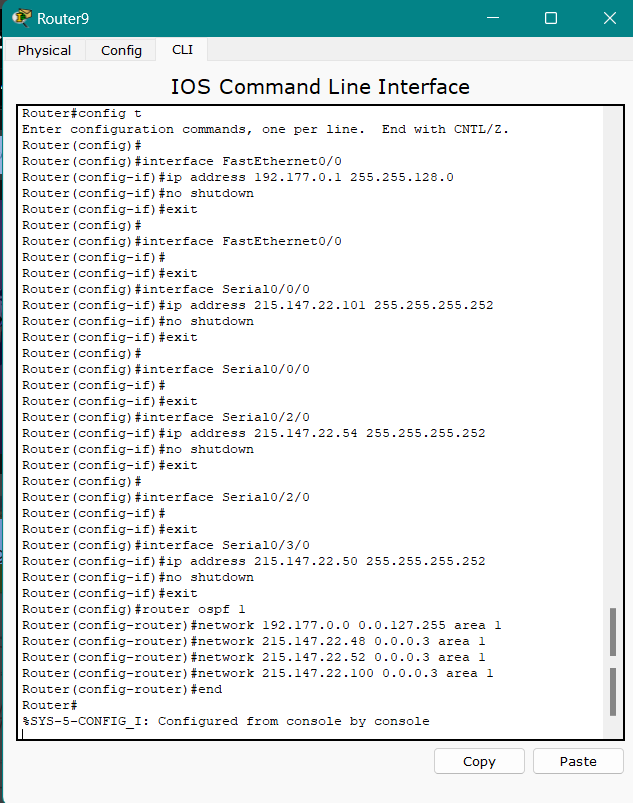
**Routing Table**

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**Router 6**

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**Router 9**

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**Packet Transfer**

**A screenshot of a graph

AI-generated content may be incorrect.**

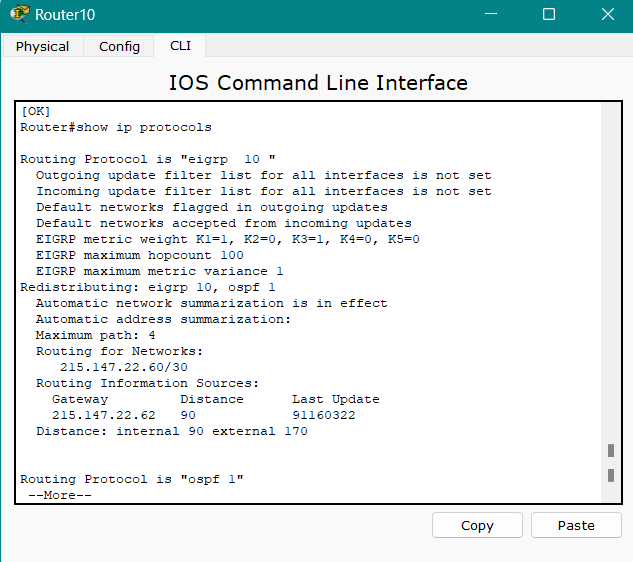
**OSPF 1 and EIGRP**

**Router 10**

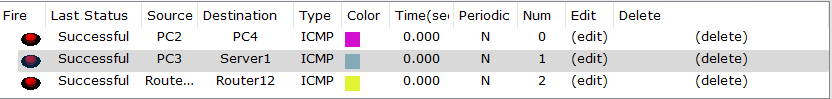
**Redistribution**

**A screenshot of a computer

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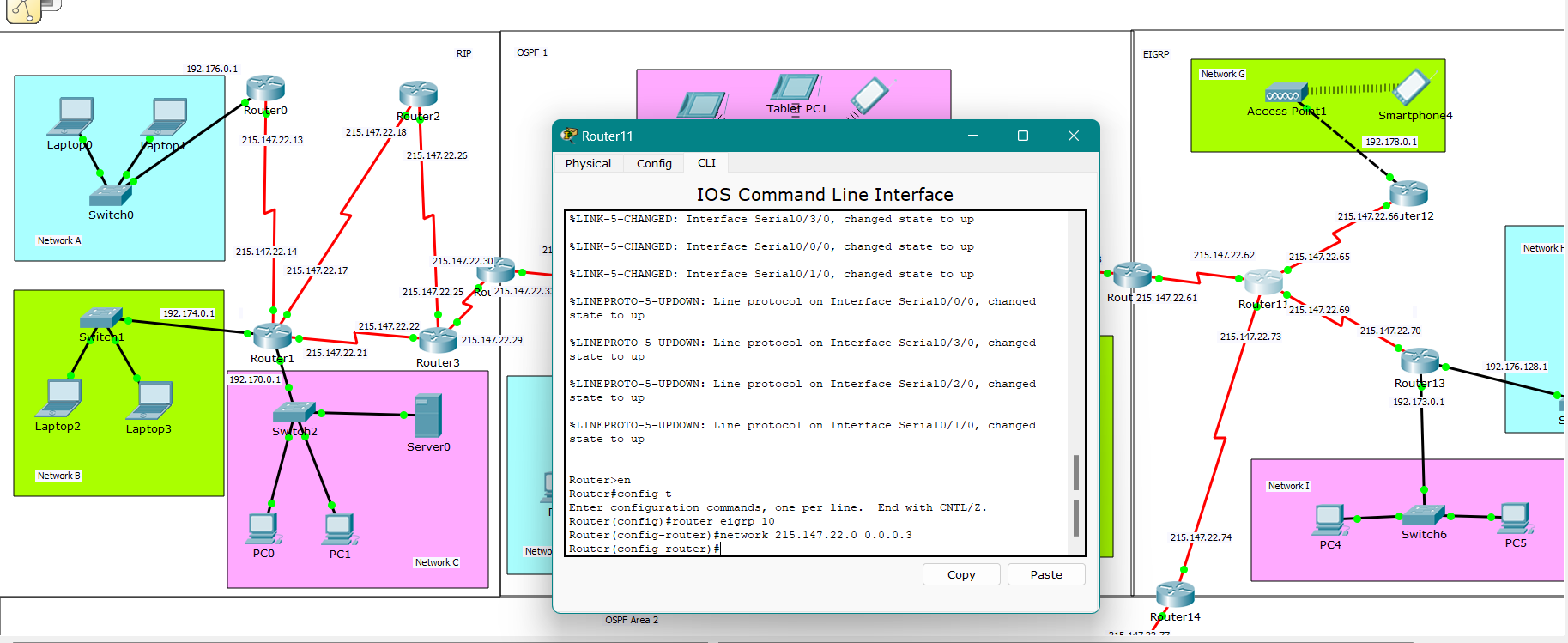
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**Packet Transfer**

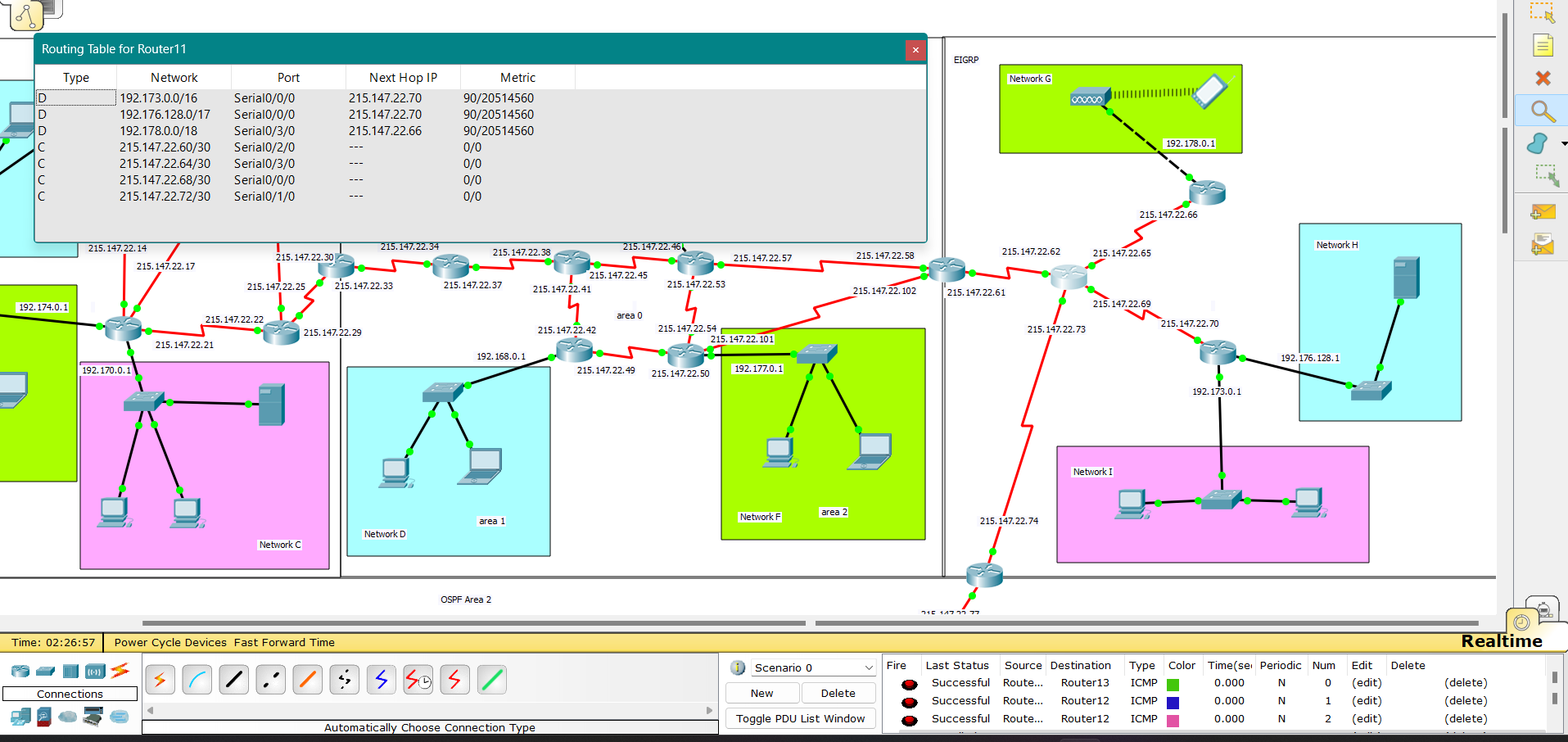
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**EIGRP**

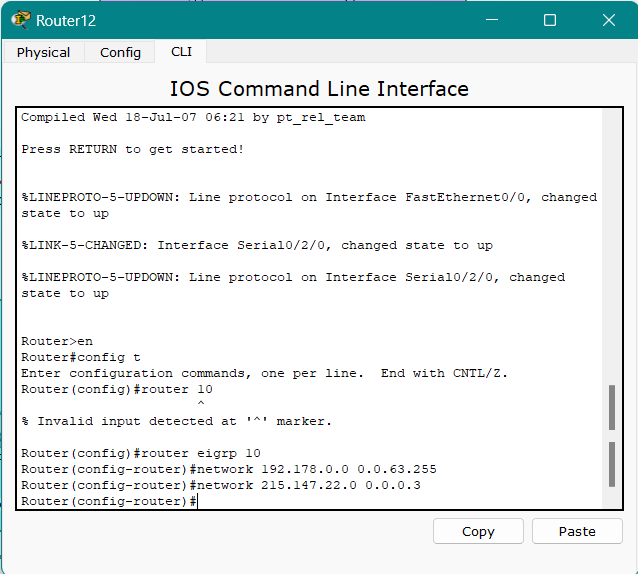
**Router 11**

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**Routing Table**

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**Router 12**

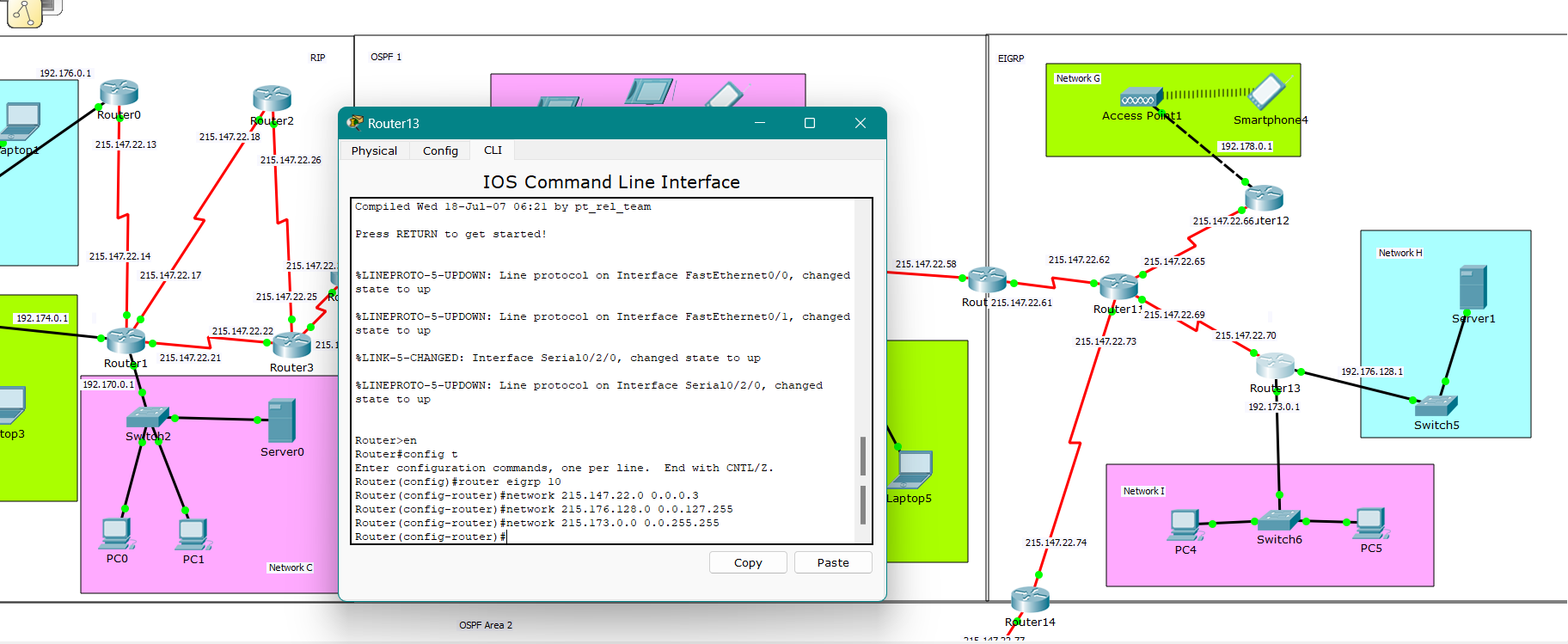
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**Routing Table**

**A computer screen shot of a computer

AI-generated content may be incorrect.**

**Router 13**

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**Routing Table**

**A computer screen shot of a computer

AI-generated content may be incorrect.**

**Packet Transfer**

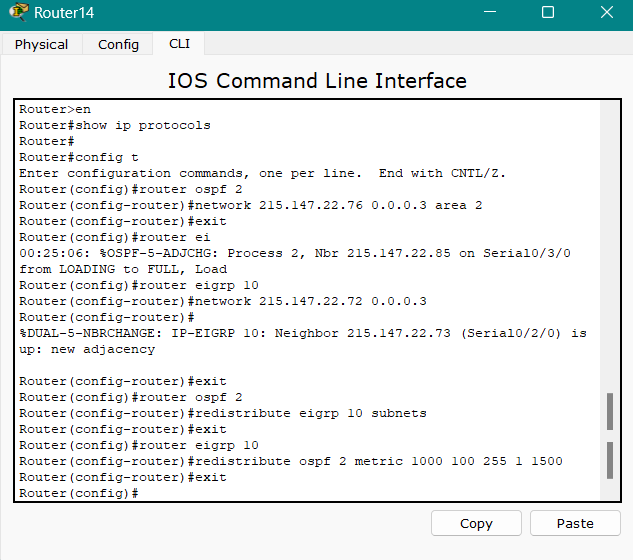
**A screenshot of a graph

AI-generated content may be incorrect.**

**EIGRP and OSPF**

**Router 14**

**Redistribution**

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**A screenshot of a computer program

AI-generated content may be incorrect.**

**A screenshot of a computer

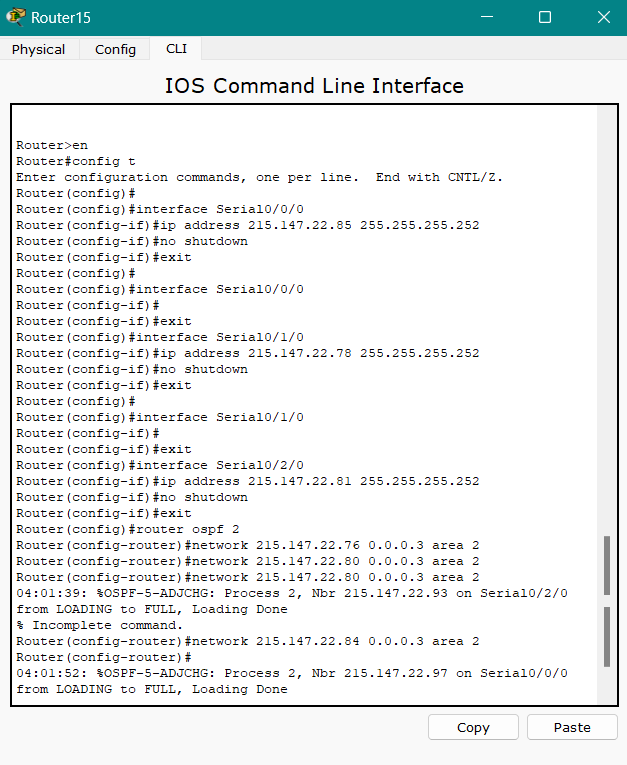
AI-generated content may be incorrect.**

**Packet Transfer**

****

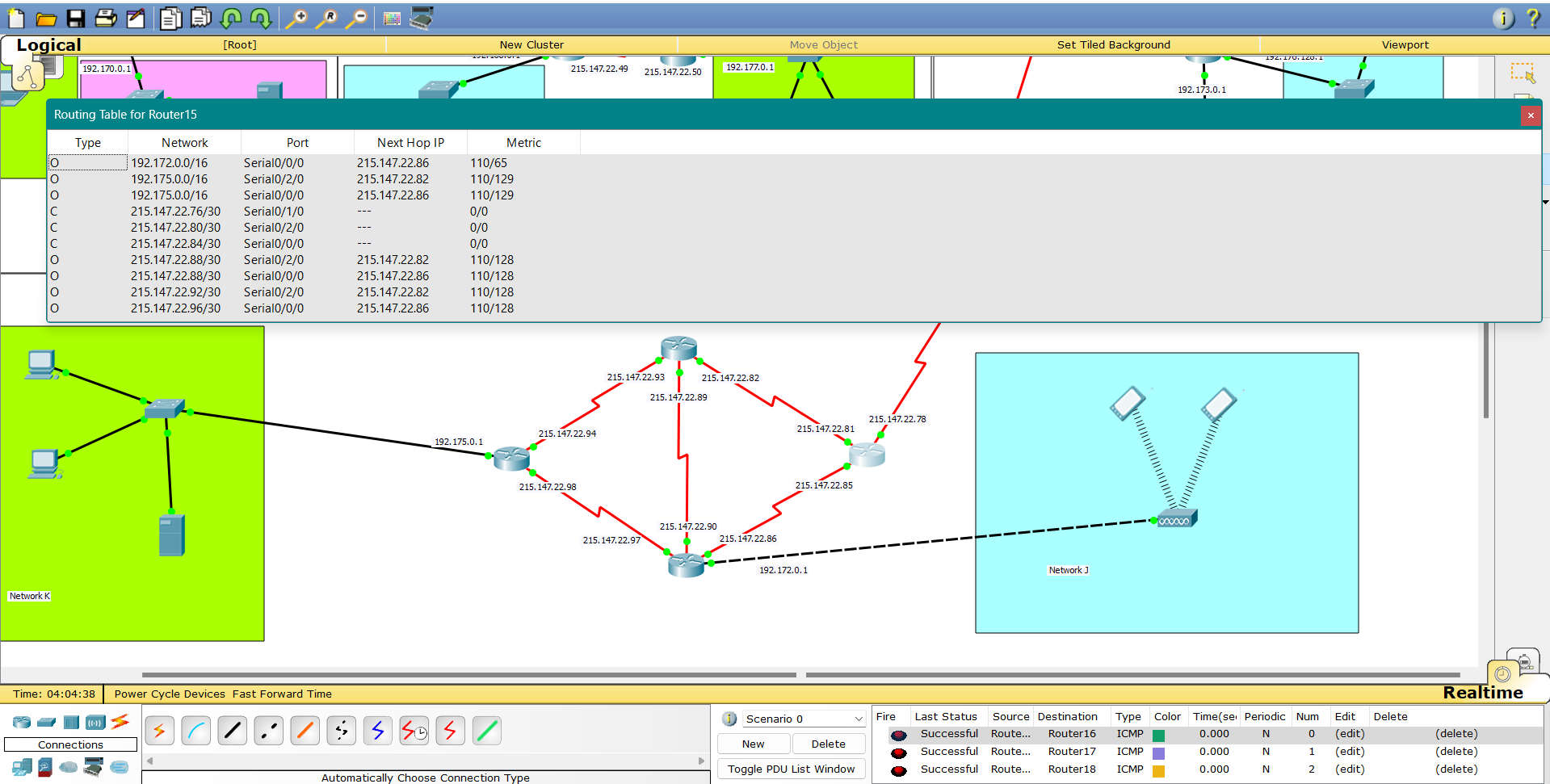
**OSPF 2**

**Router 15**

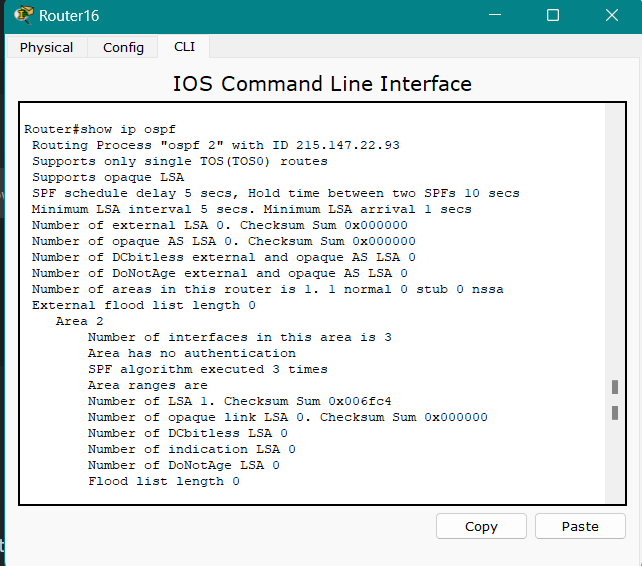
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**A screenshot of a computer

AI-generated content may be incorrect.**

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**Router 16**

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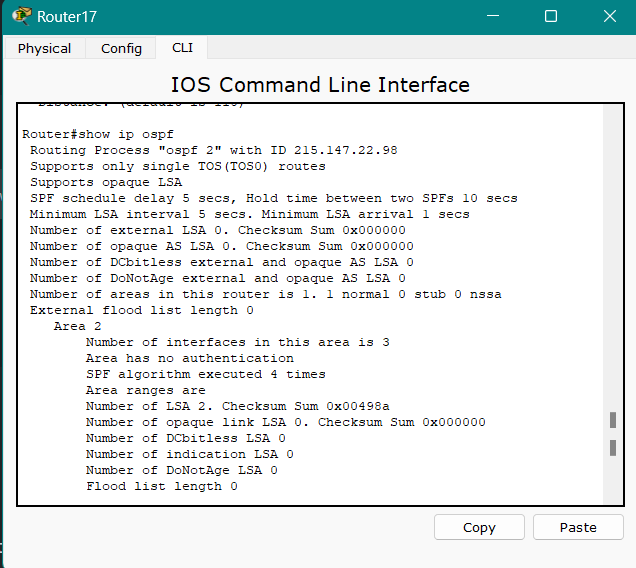
**A computer screen shot of a diagram

AI-generated content may be incorrect.**

**Router 17**

**A screenshot of a computer

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**Routing Table**

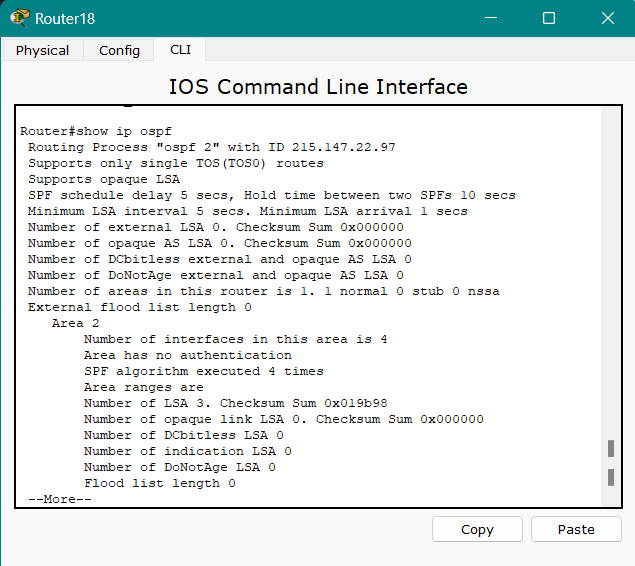
**A computer screen shot of a diagram

AI-generated content may be incorrect.**

**Router 18**

**A screenshot of a computer

AI-generated content may be incorrect.**

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**A computer screen shot of a diagram

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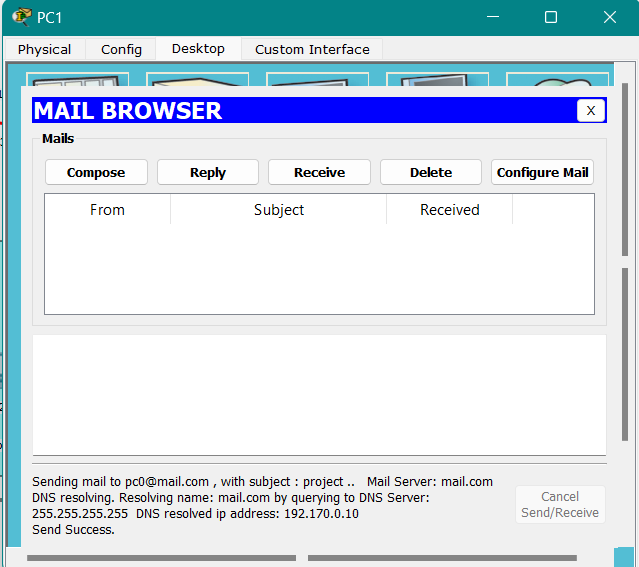
**Packet Transfer**

**A screenshot of a graph

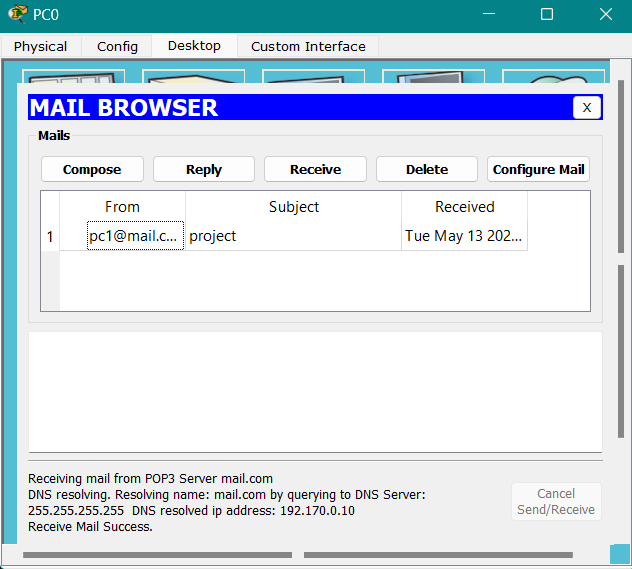
AI-generated content may be incorrect.**

**SMTP**

Mail sent from pc1 to pc 0

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The mail received at pc0

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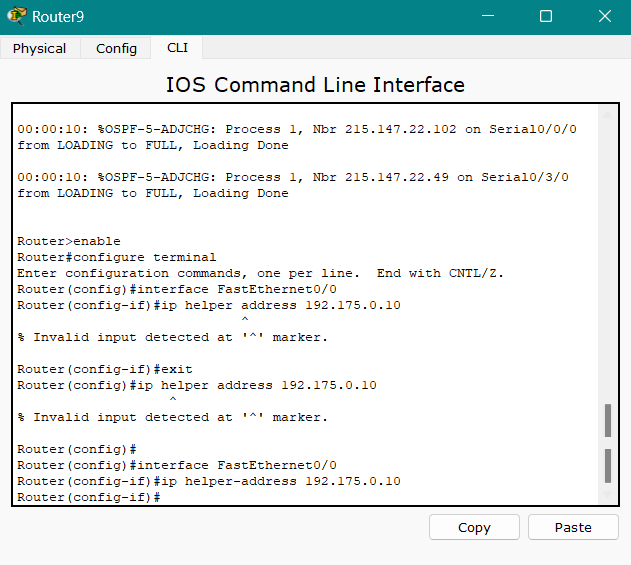
**DHCP**

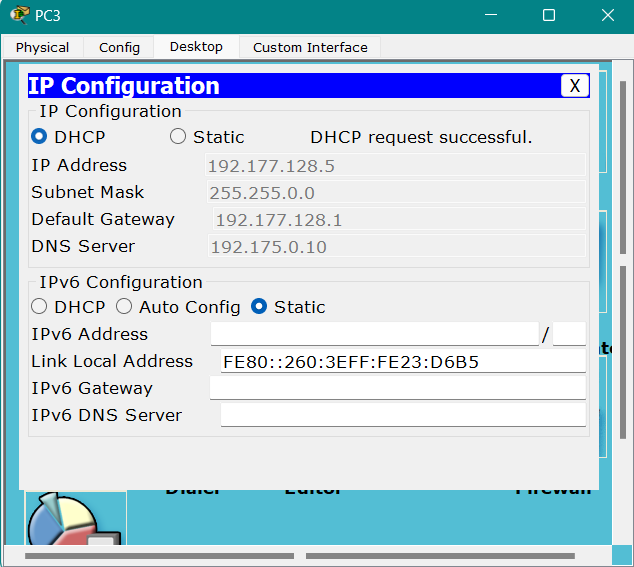
**Network E**

**A screenshot of a computer

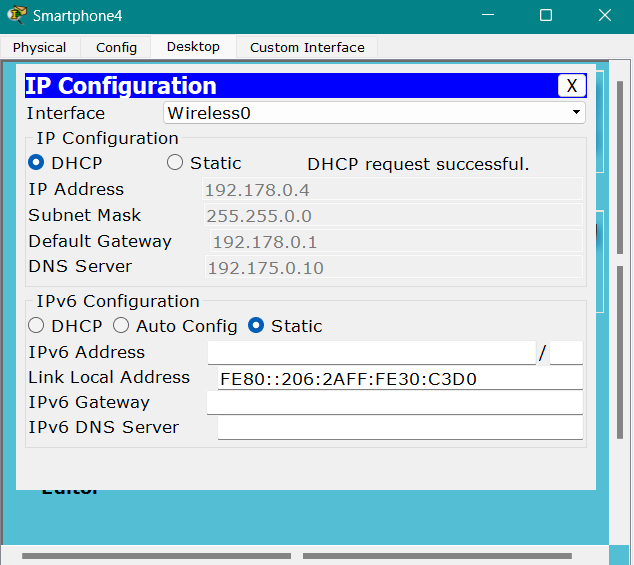
AI-generated content may be incorrect.**

**Network F**

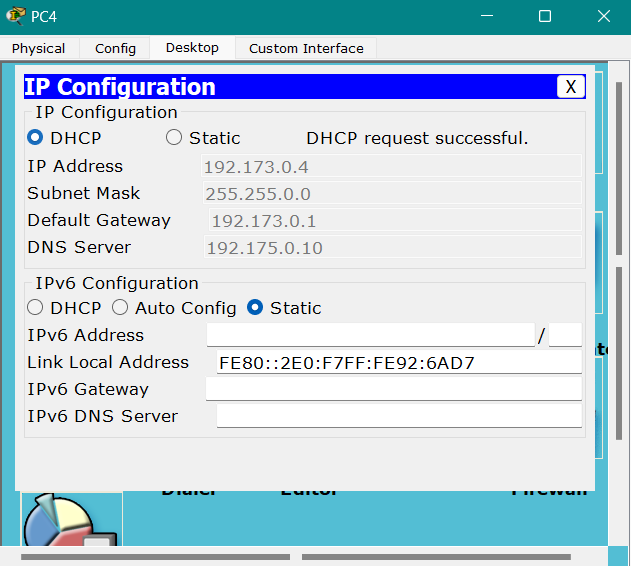




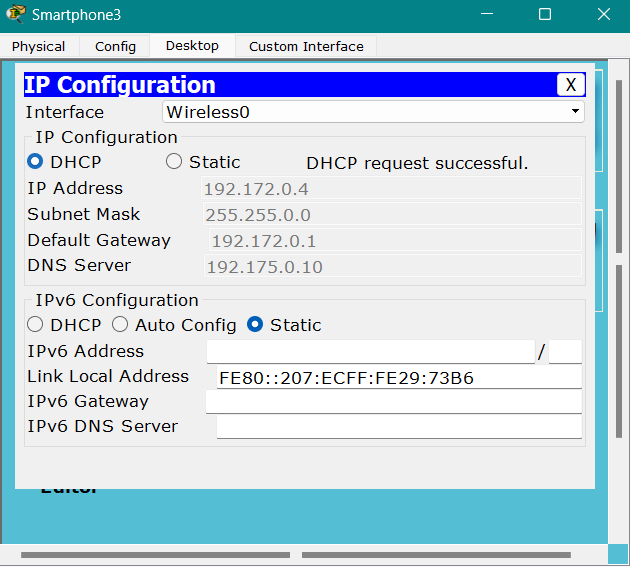
**Network G**

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**Network I**

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**Network J**

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**Network K**

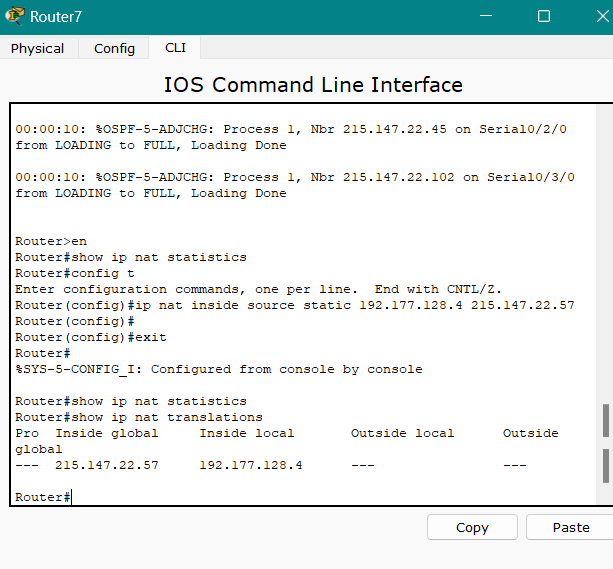
**A screenshot of a computer

AI-generated content may be incorrect.**

**NAT**

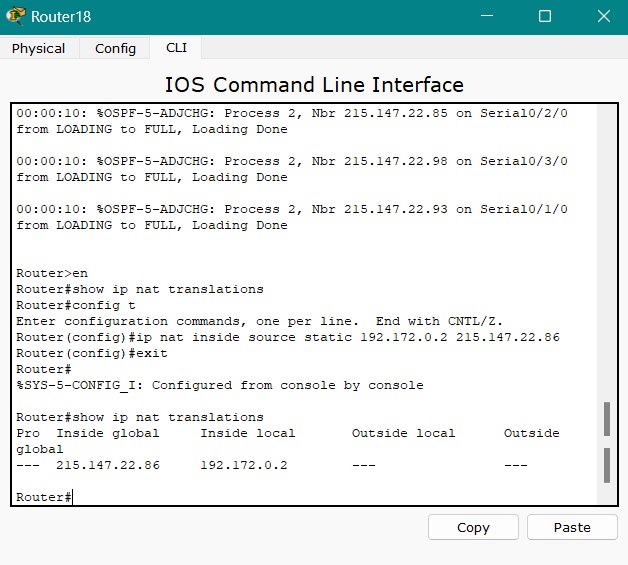
**Network E**

Static NATing with tablet 192.177.128.4

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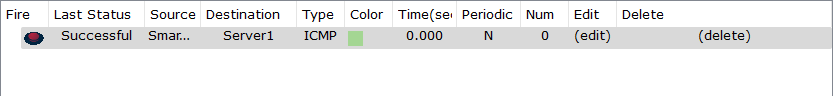
**Network J**

Static NATing with smartphone 192.172.0.2

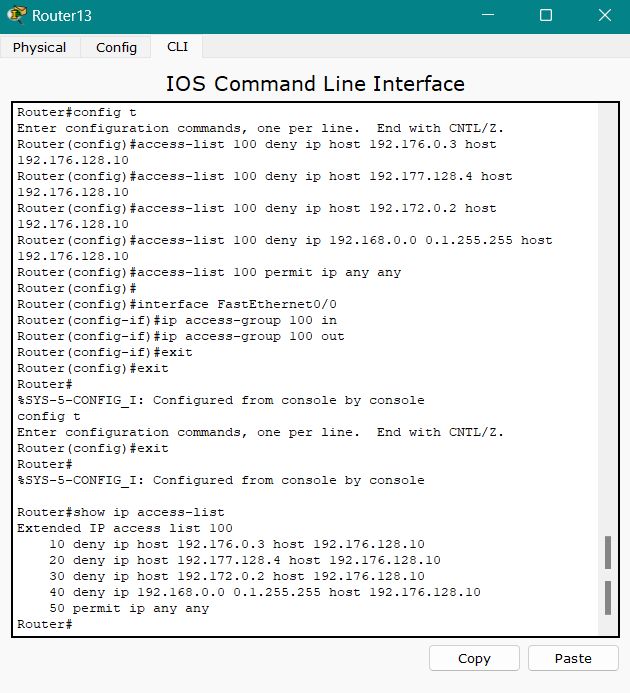
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**ACL**

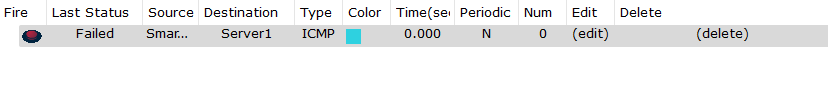
Packet transfer before ACL

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**Applying ACL**

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Packet transfer before ACL

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