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|  | National University  of Computer and Emerging Sciences  Chiniot-Faisalabad Campus |  |

**COMPUTER NETWORKS LAB**

**FALL 2023**

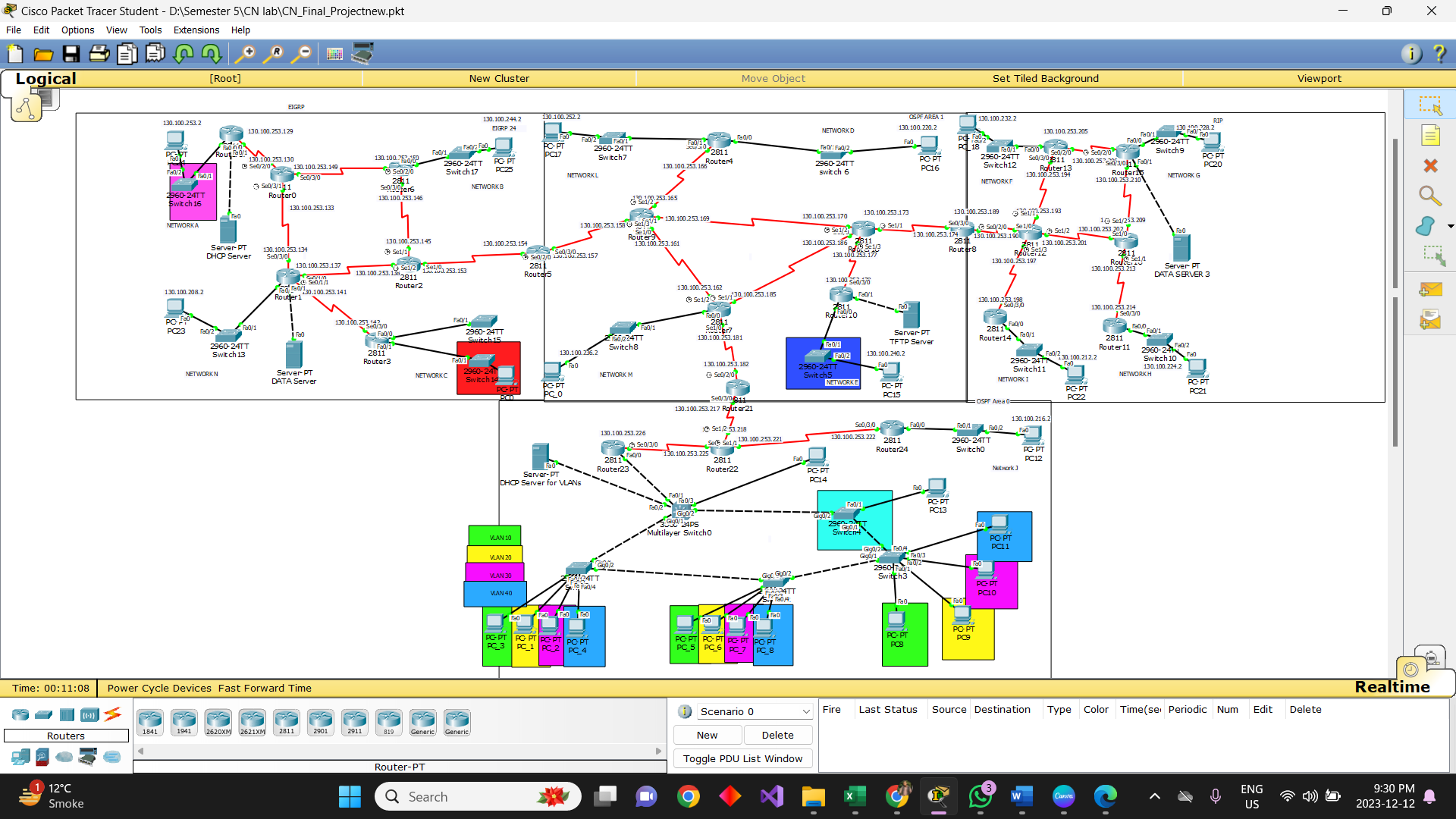
***Submitted by***

|  |  |
| --- | --- |
| ***Ali Ahmad*** | ***21F-9207*** |
| ***Abubakar*** | ***21F-9081*** |
| ***Laiba Irfan*** | ***21F-9061*** |

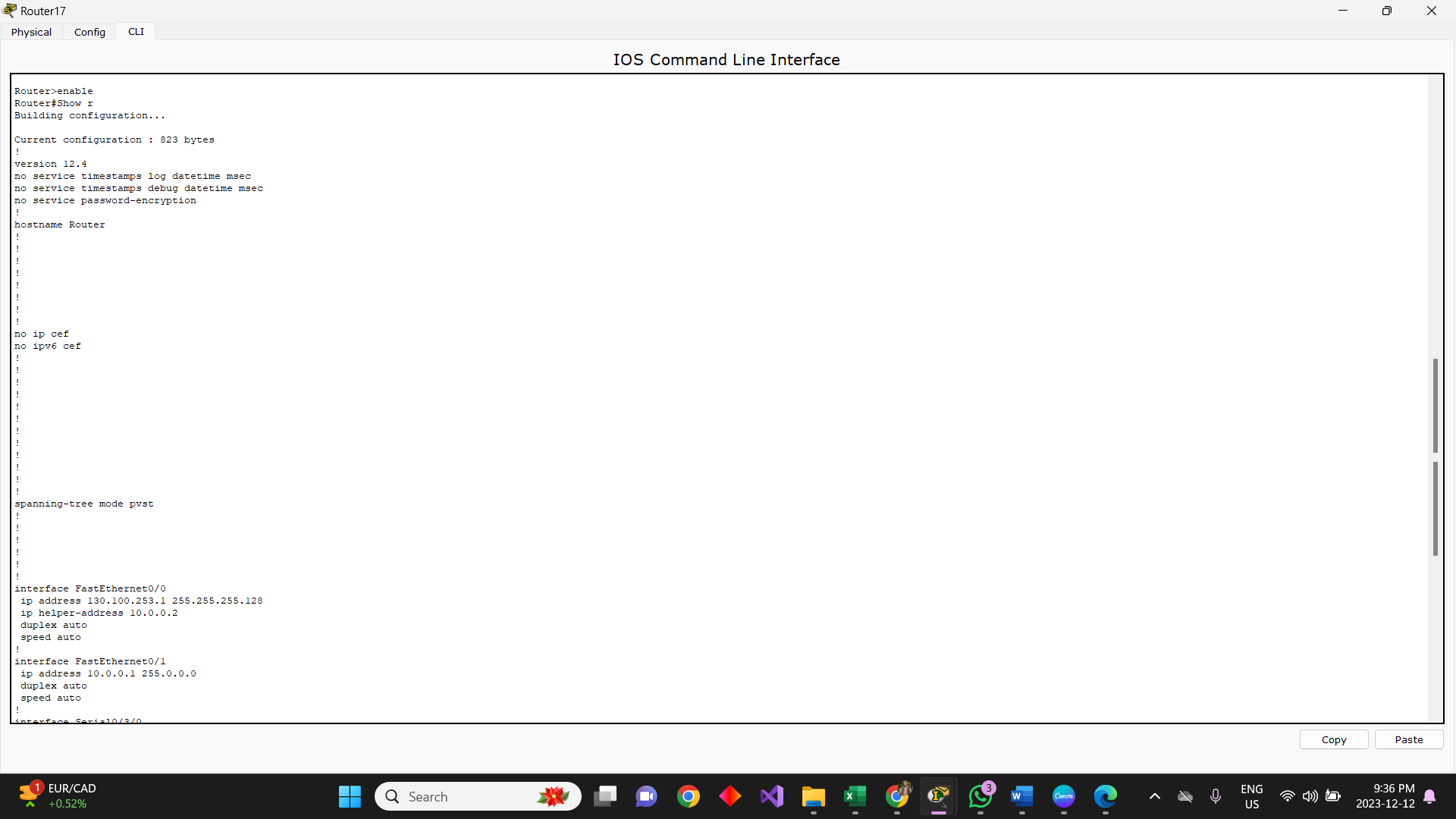
**Submitted To**

“**FARWA AHMAD**”

**Topology:**

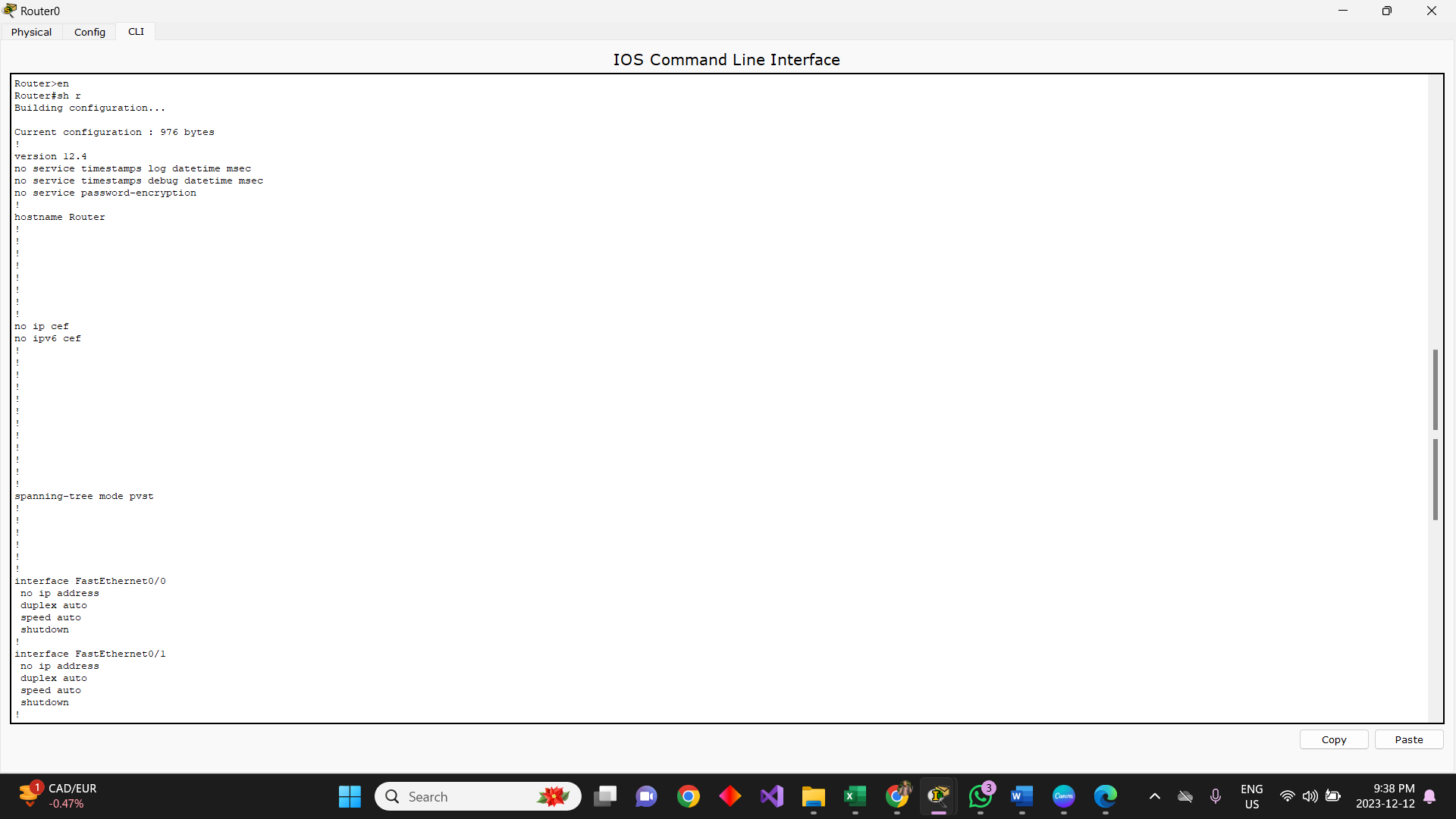
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**ERGP (Block 1):**

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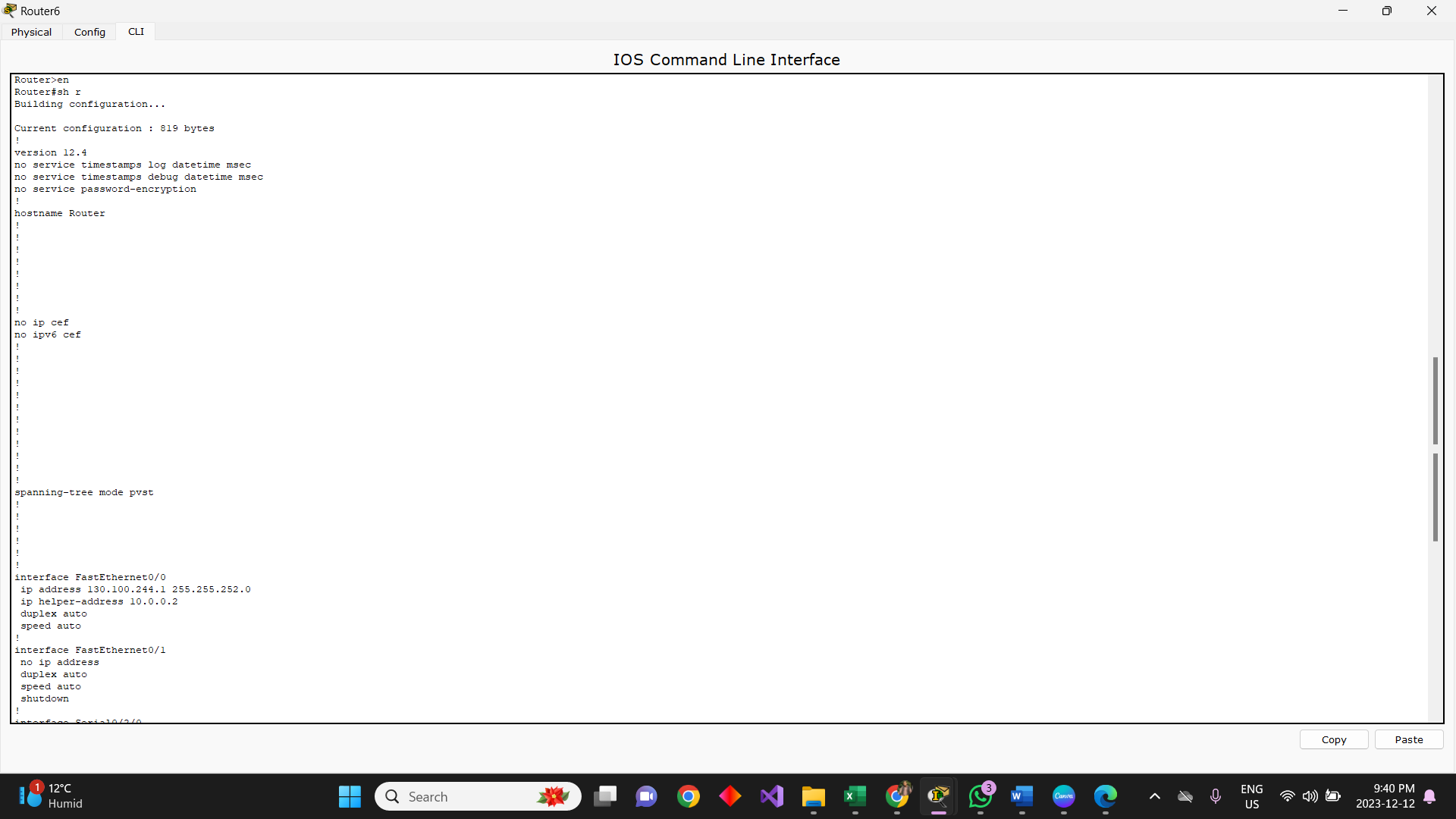
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**Router 5 (EIGRP – OSPF):**

**Redistribution:**

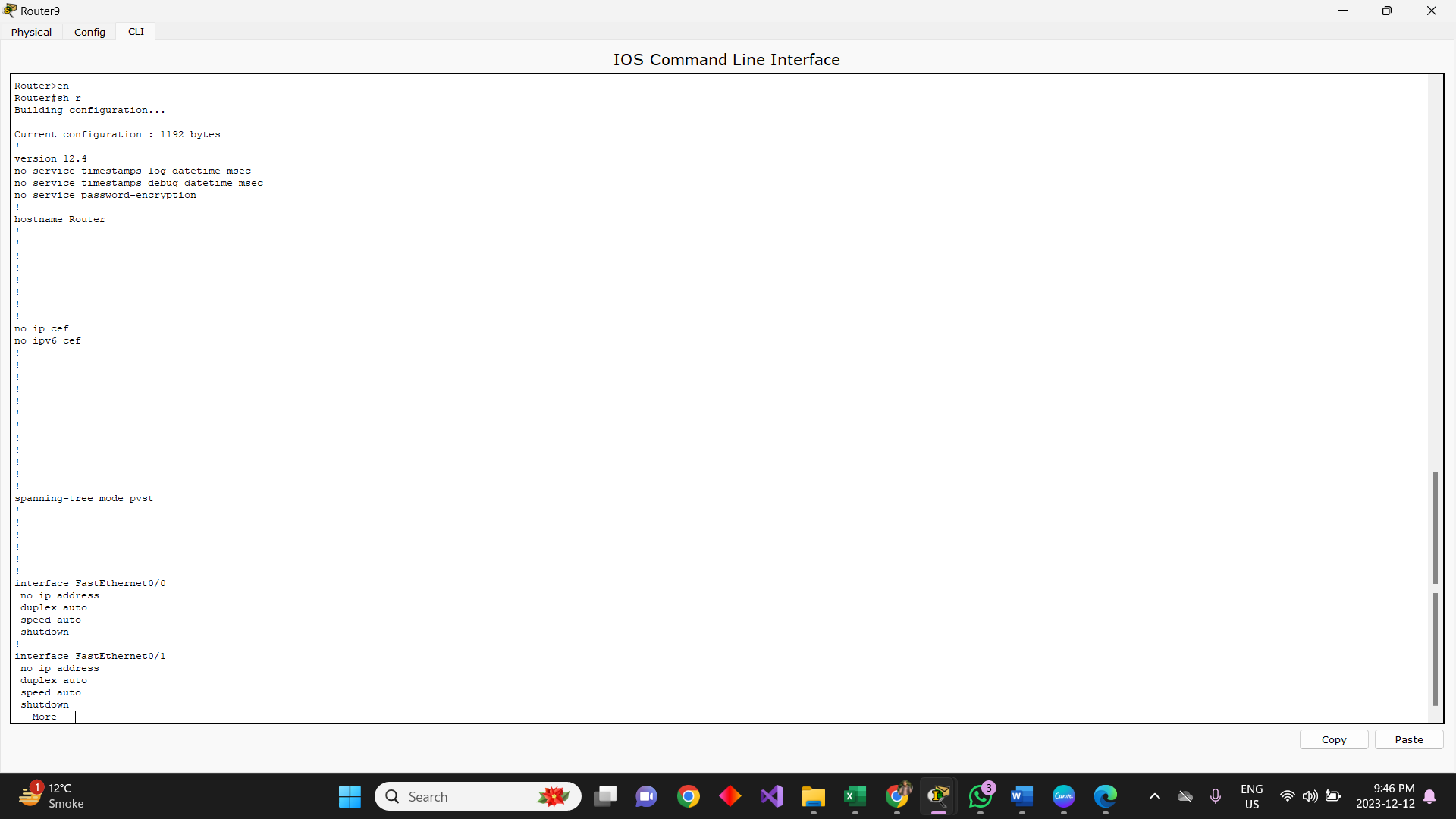
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**OSPF (Block 2) (Area 1):**

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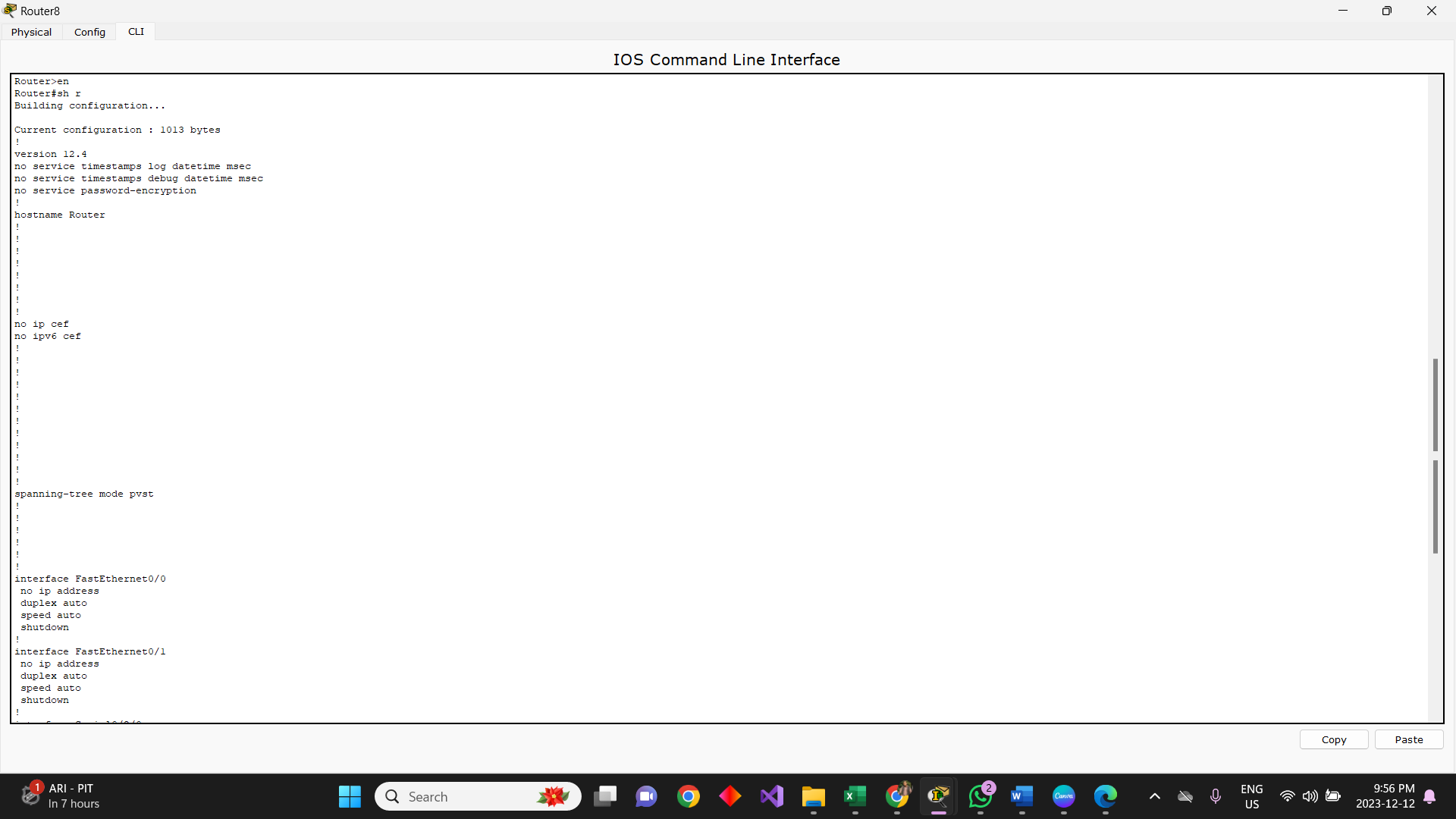
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**Router 8 (OSPF – RIP):**

**Redistribution:**

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**RIP (Block 3):**

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**Router 21 (OSPF – OSPF):**

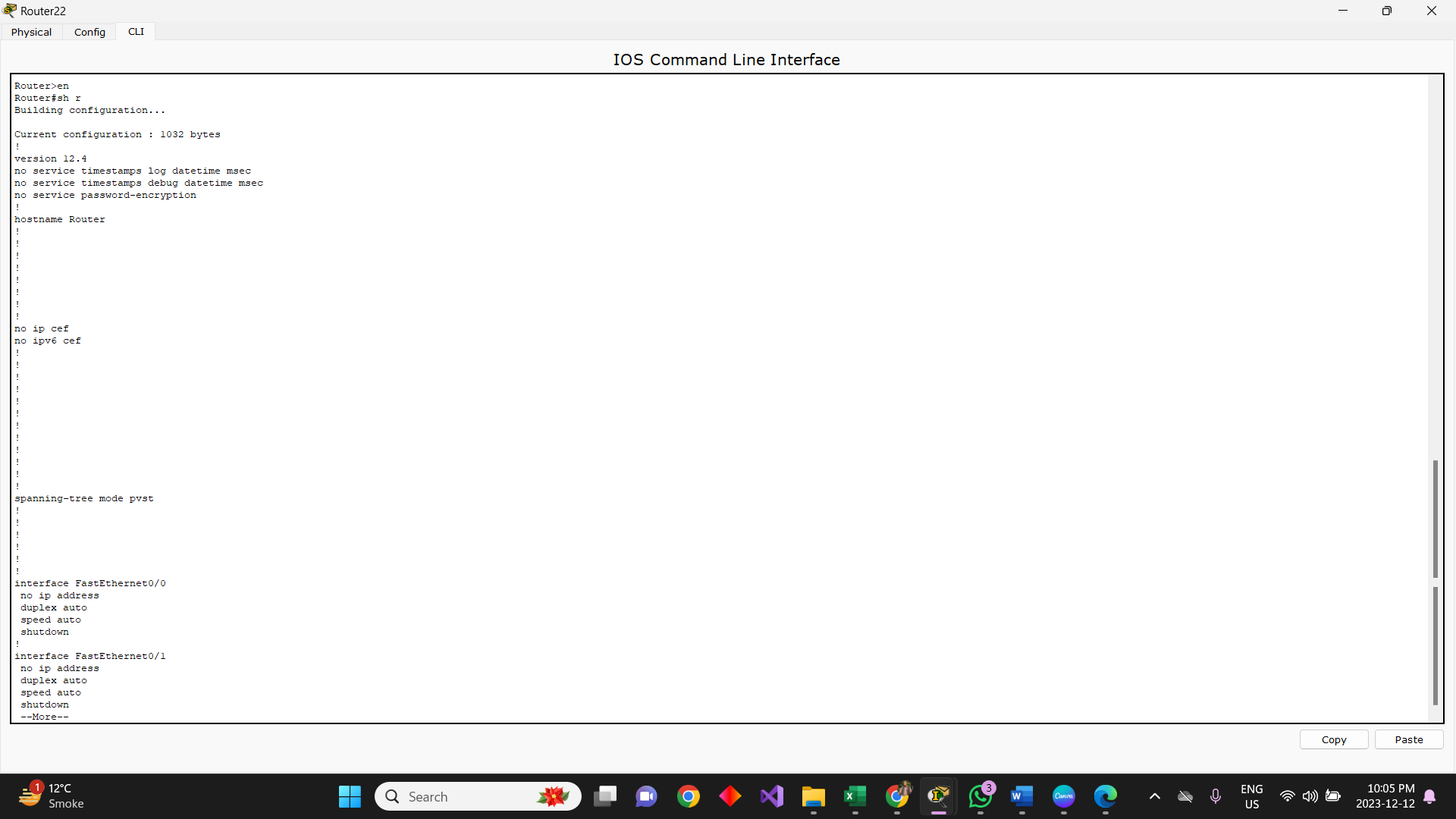
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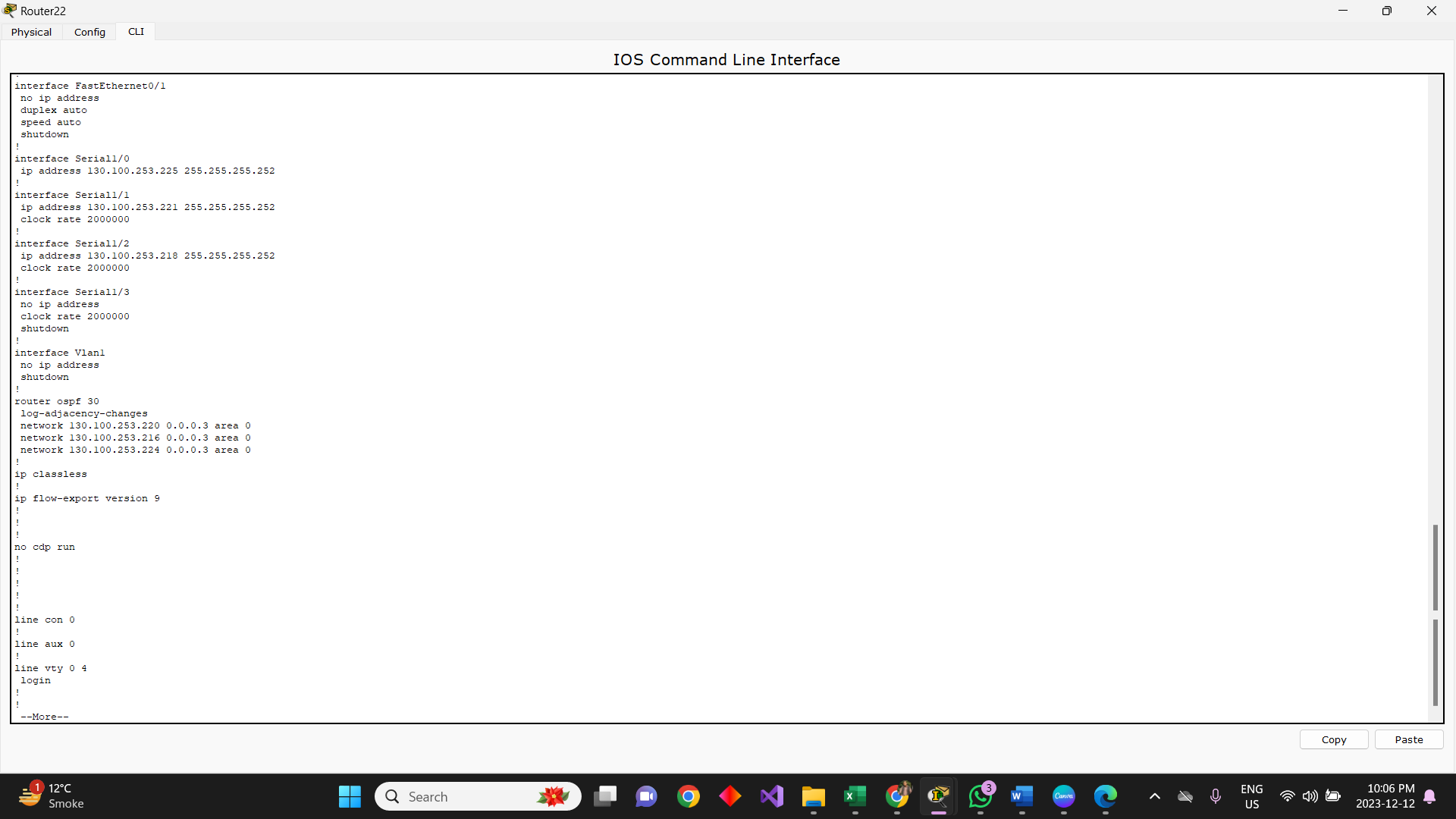
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**OSPF (Block 4)(Area 0):**

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**Multi-layer Switch:**

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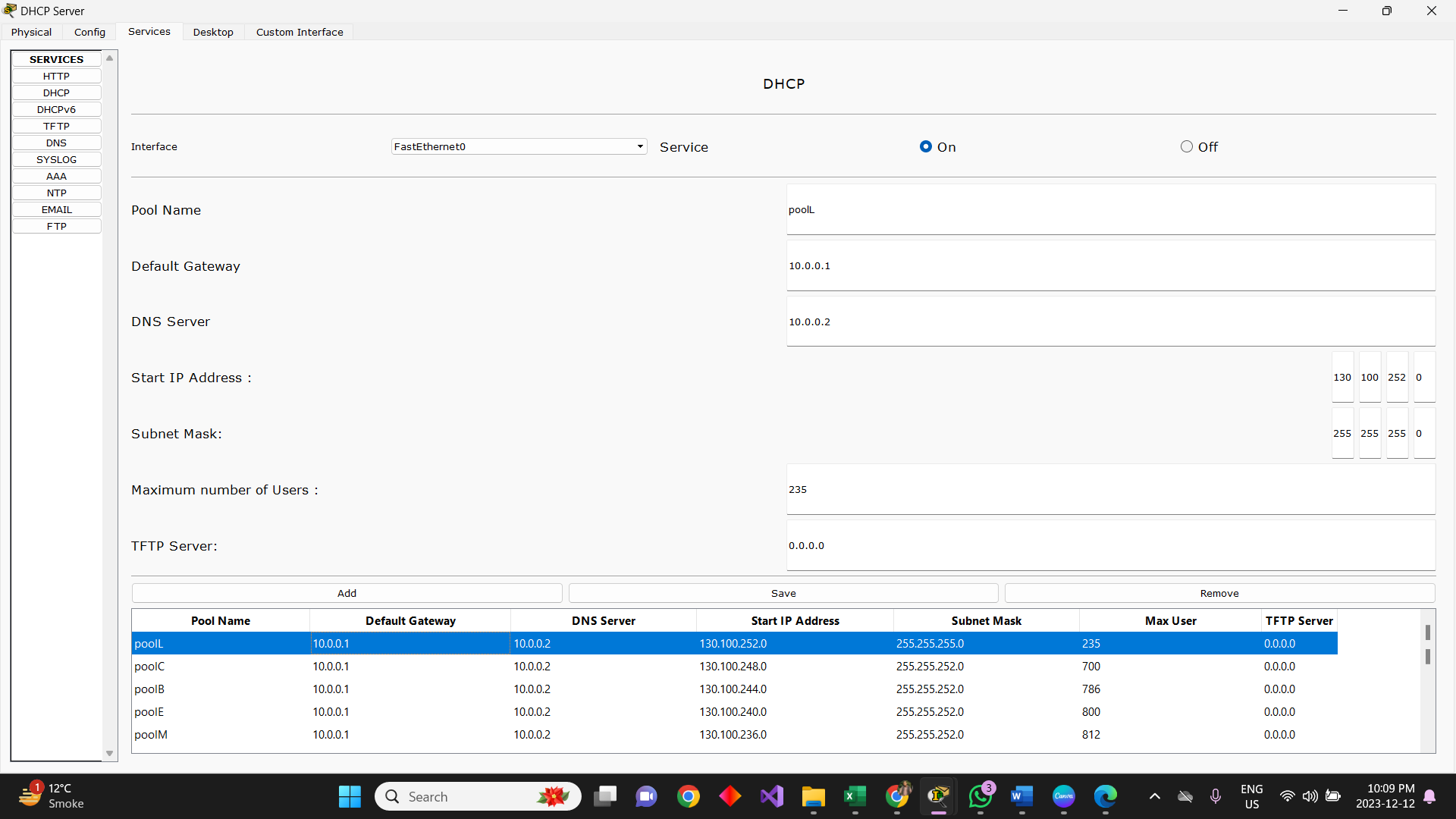
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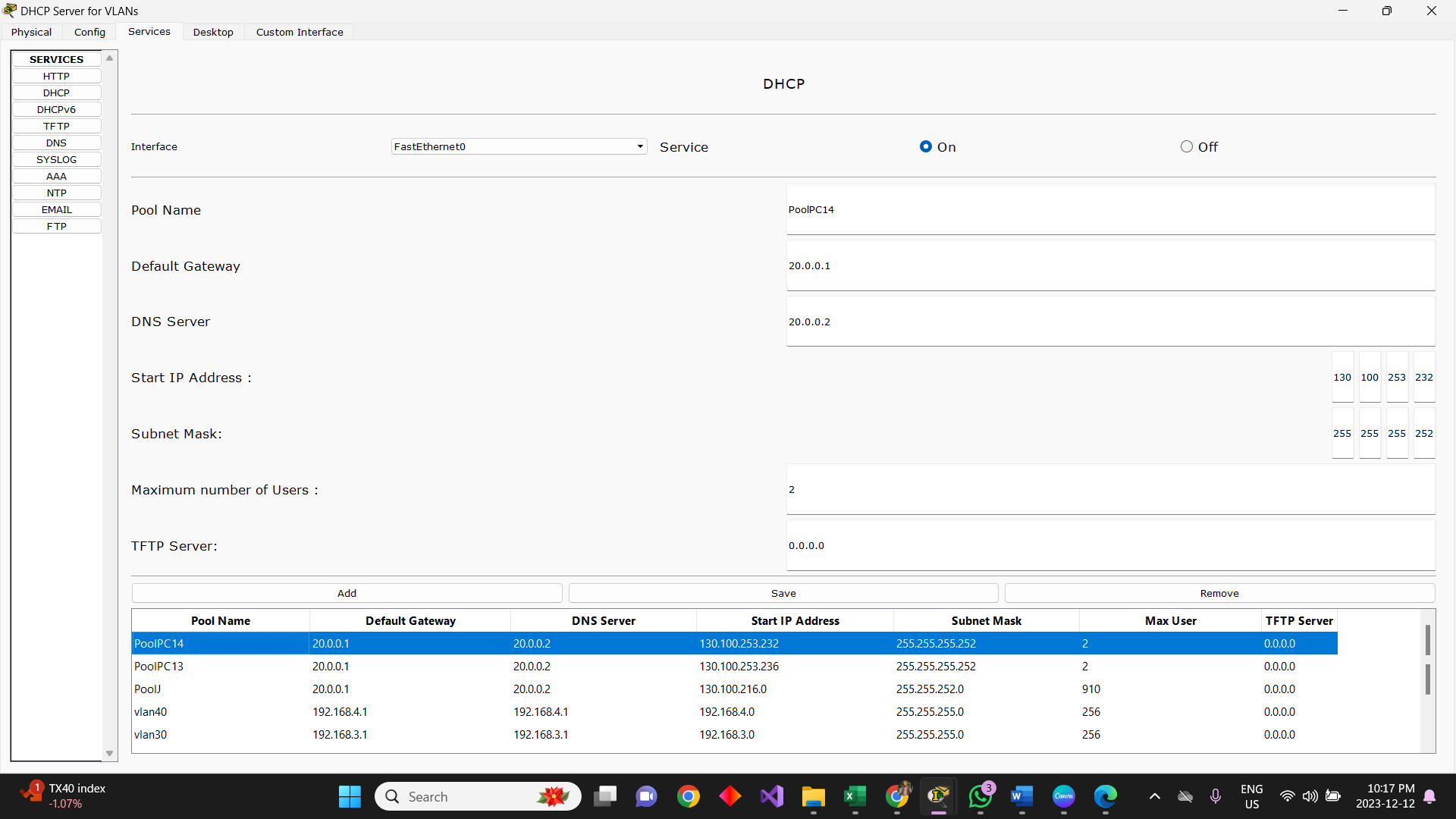
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**DHCP-Server (Block 1):**

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**DHCP-Server for Vlan (Block 4):**

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**Communication:**

**EIGRP:**

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**OSPF (Block 2):**

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**RIP (Block 3):**

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**OSPF (Block 4):**

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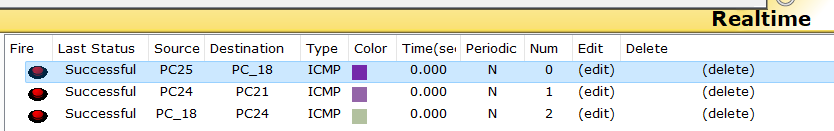
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**EIGRP – OSPF (Block 1 - 2):**

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**OSPF – RIP (Block 2 - 3):**

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**OSPF - OSPF (Block 2 - 4):**

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**Vlans:**

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(Only Vlan 20 and 40 communicates with each other)

**Restriction from network C (Red switch) to Vlan 40:**

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**Restriction from Data-server3 to Network A(Pink switch):**

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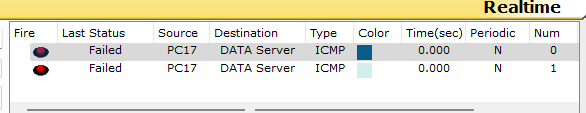
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**Restriction from TFTP-server to Network M:**

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**Restriction from data-server to Network L:**

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