Universidade Federal de Uberlândia - UFU
Bacharelado em Sistemas de Informação - Campus Monte Carmelo
Ex.: GSI524 – Redes de Computadores – 2023/1
Eduardo dos Santos Rocha - 32111BSI007

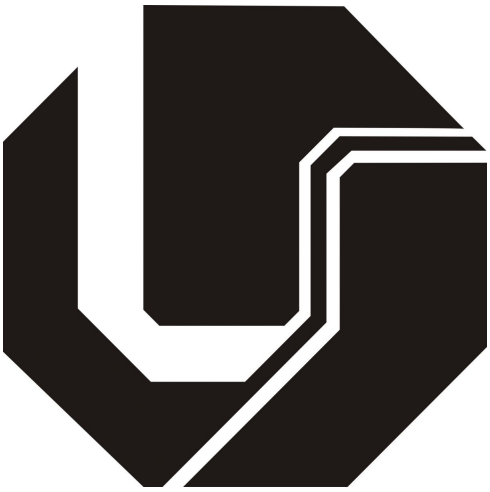

Figura 1: Logo da UFU.

Relatório 11
Redes - Atividade 11

Resposta das questões:

Exercício 1

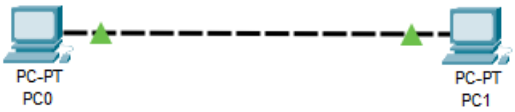

Figura 2:

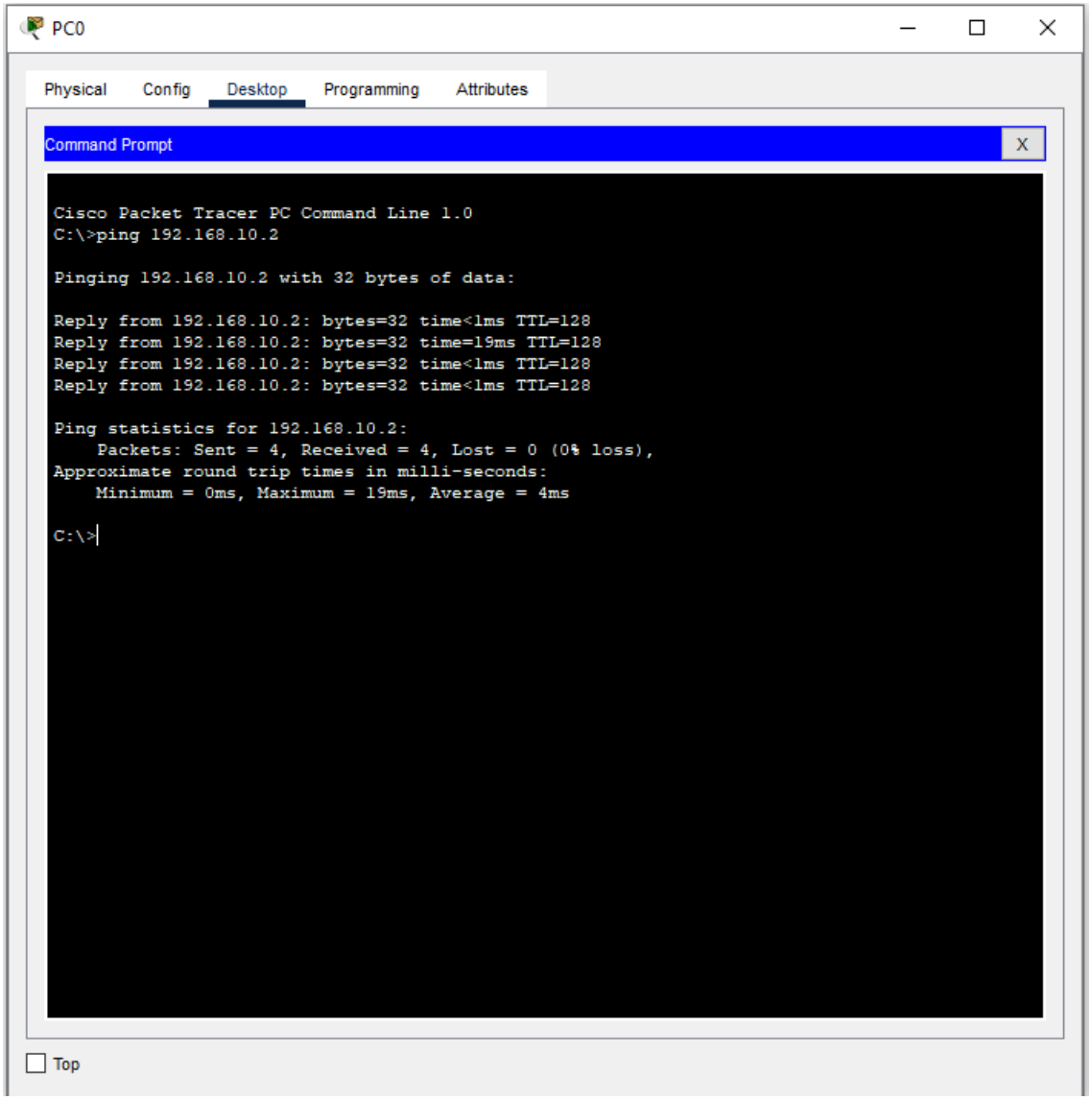

Figura 3: Teste com o comando ping do pc0

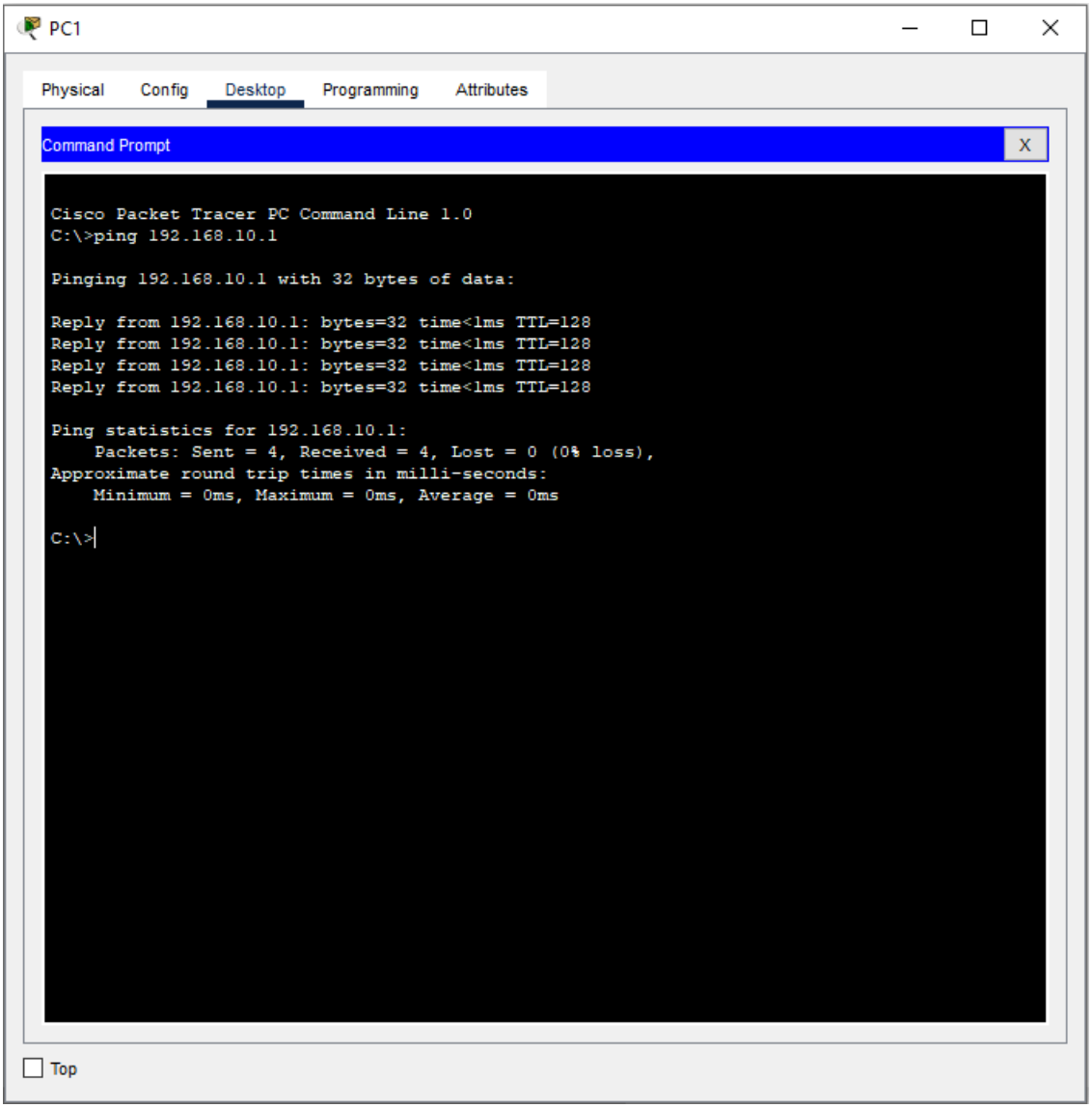

Figura 4: Teste com o comando ping do pc1

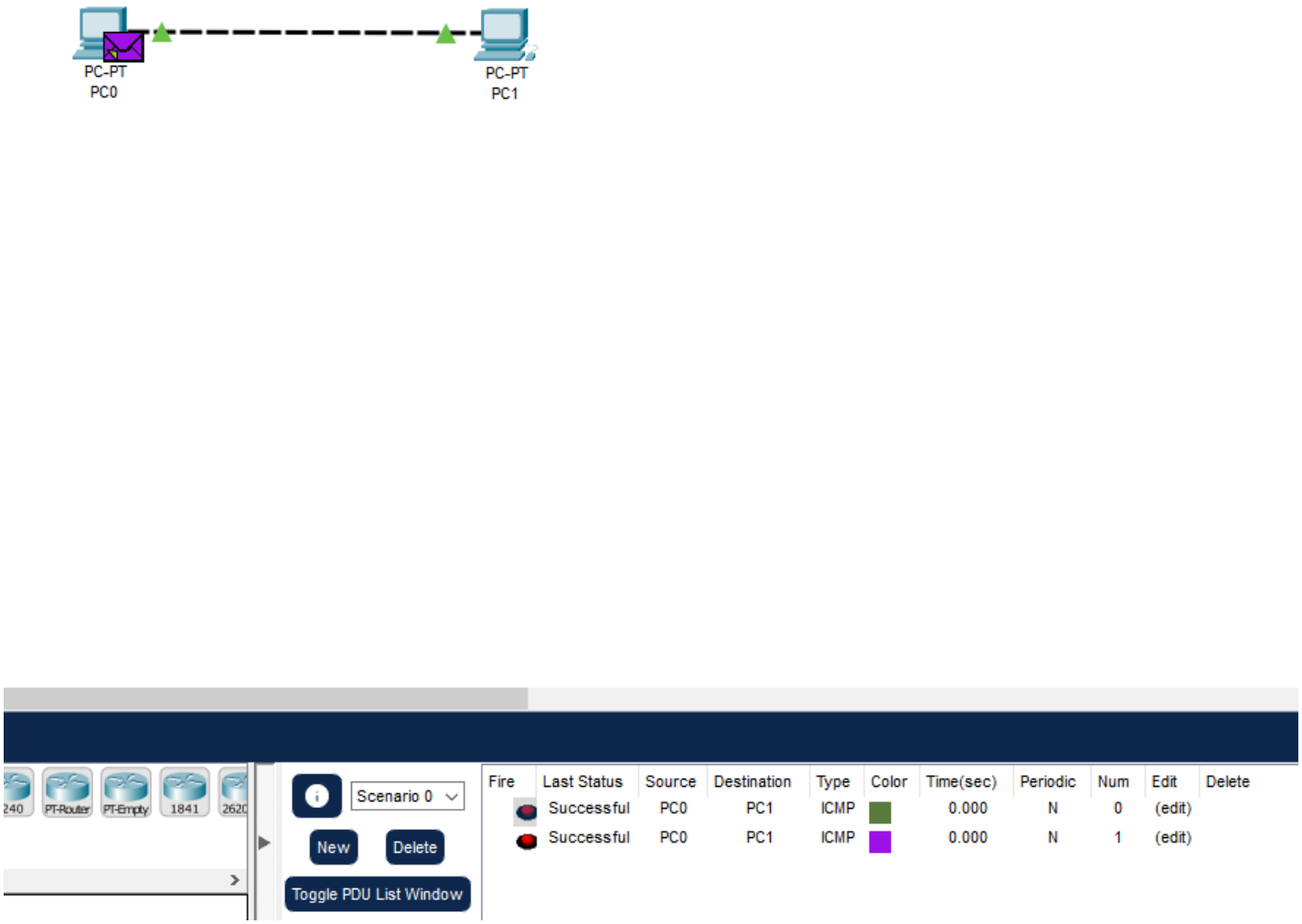

Figura 5: Teste com o envio de pdu (protocol data unit)

0.1 Exercício 2

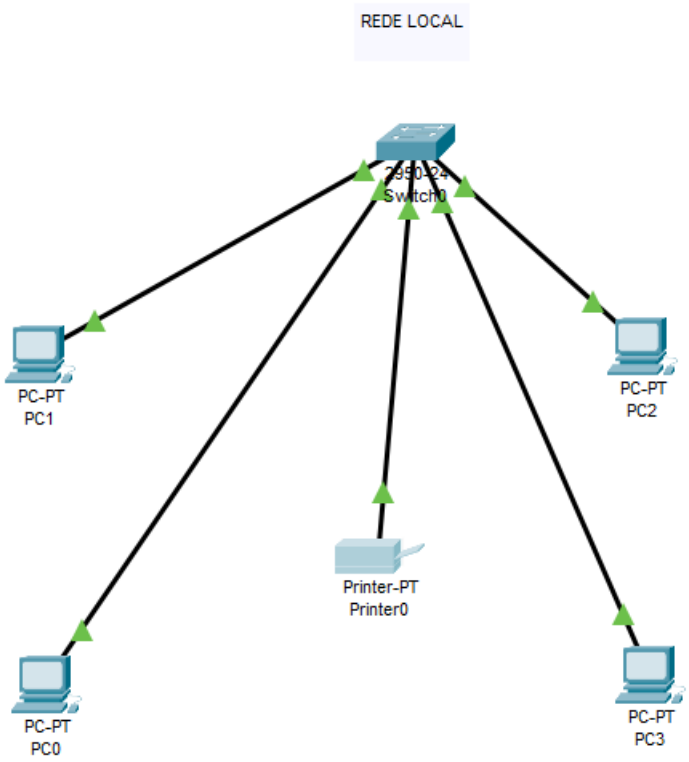

Figura 6: Rede Local

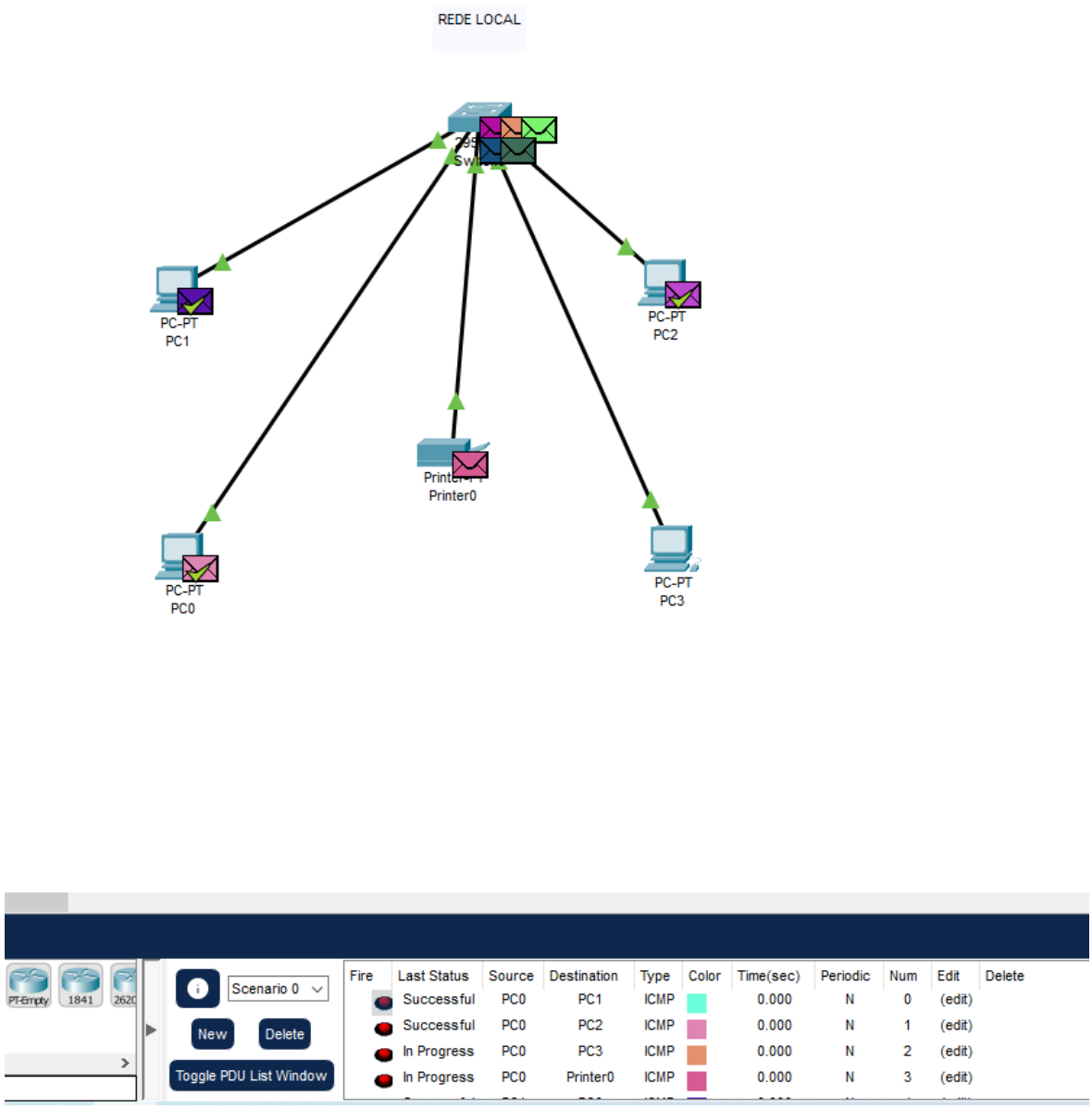

Figura 7: Teste com o envio de pdu (protocol data unit)

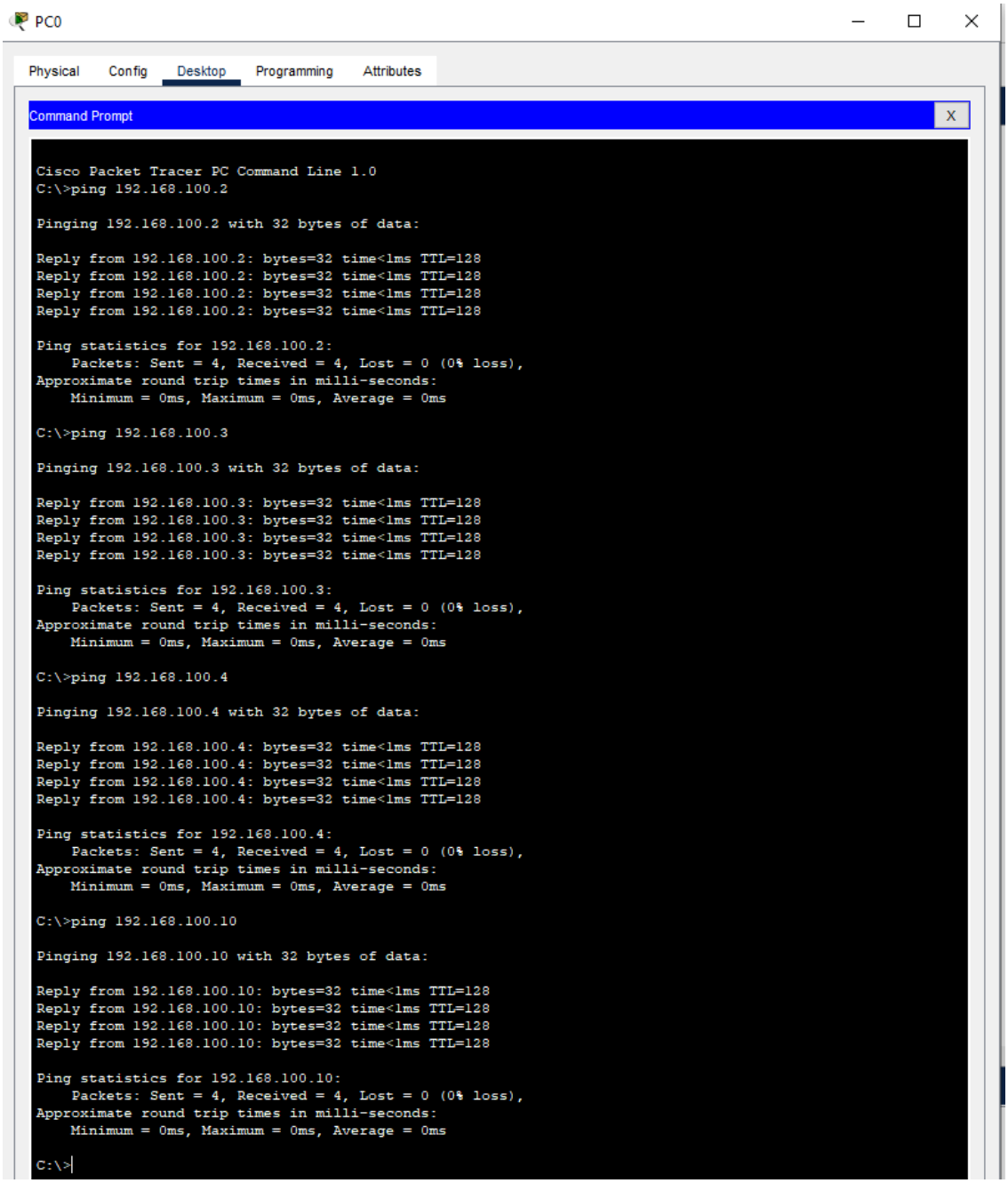

Figura 8: Exemplo testes necessários ping PC0, mas é possível perceber por esse teste que todos os outros dispositivos estão interligados.

0.2 Exercício 3

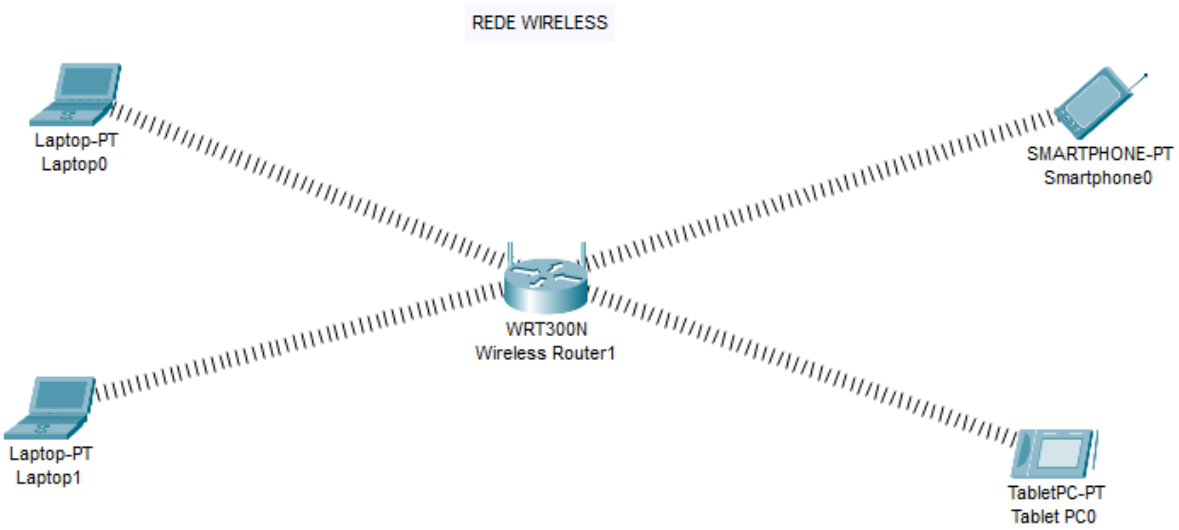

Figura 9:

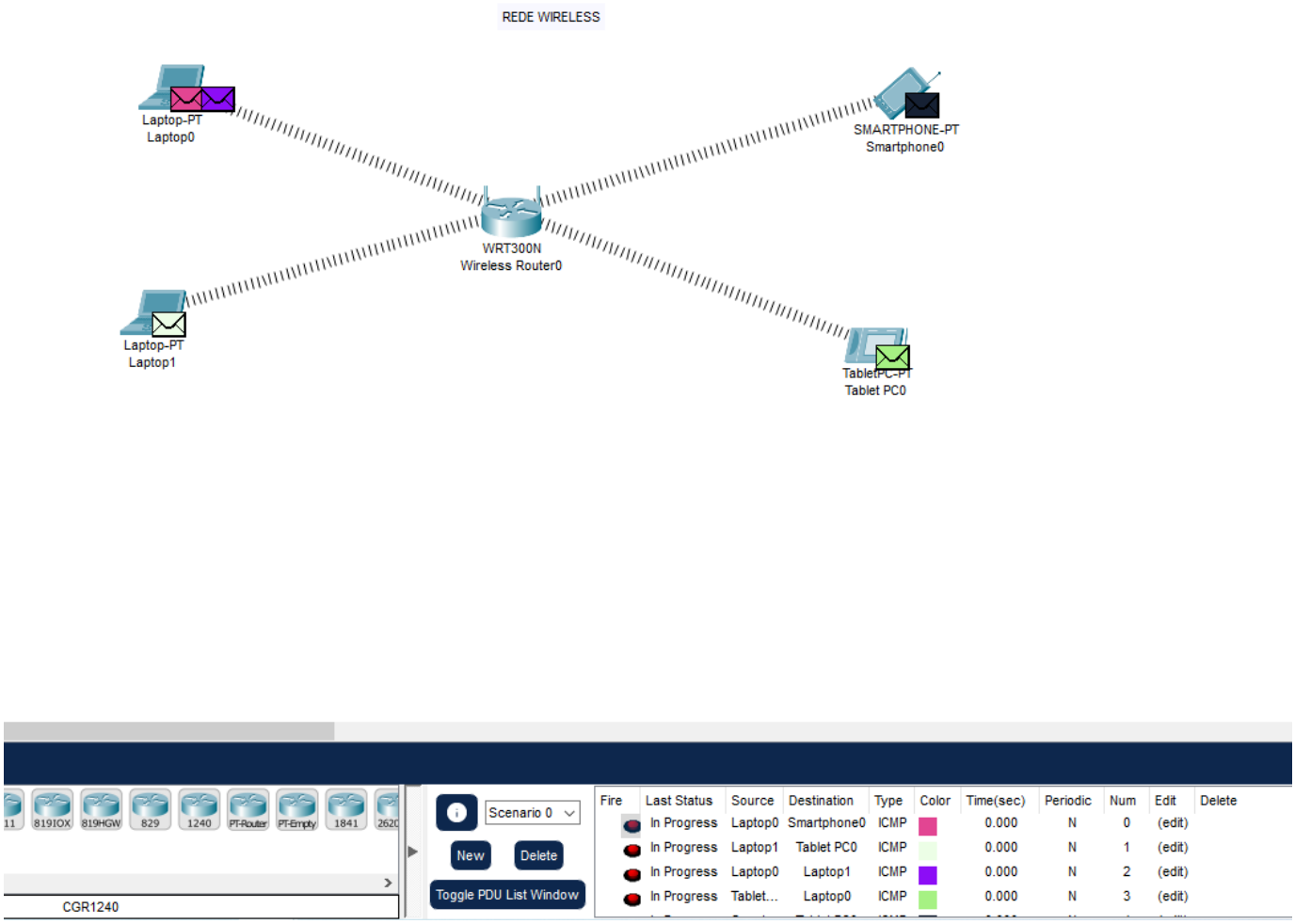

Figura 10: Teste com o envio de pdu (protocol data unit)

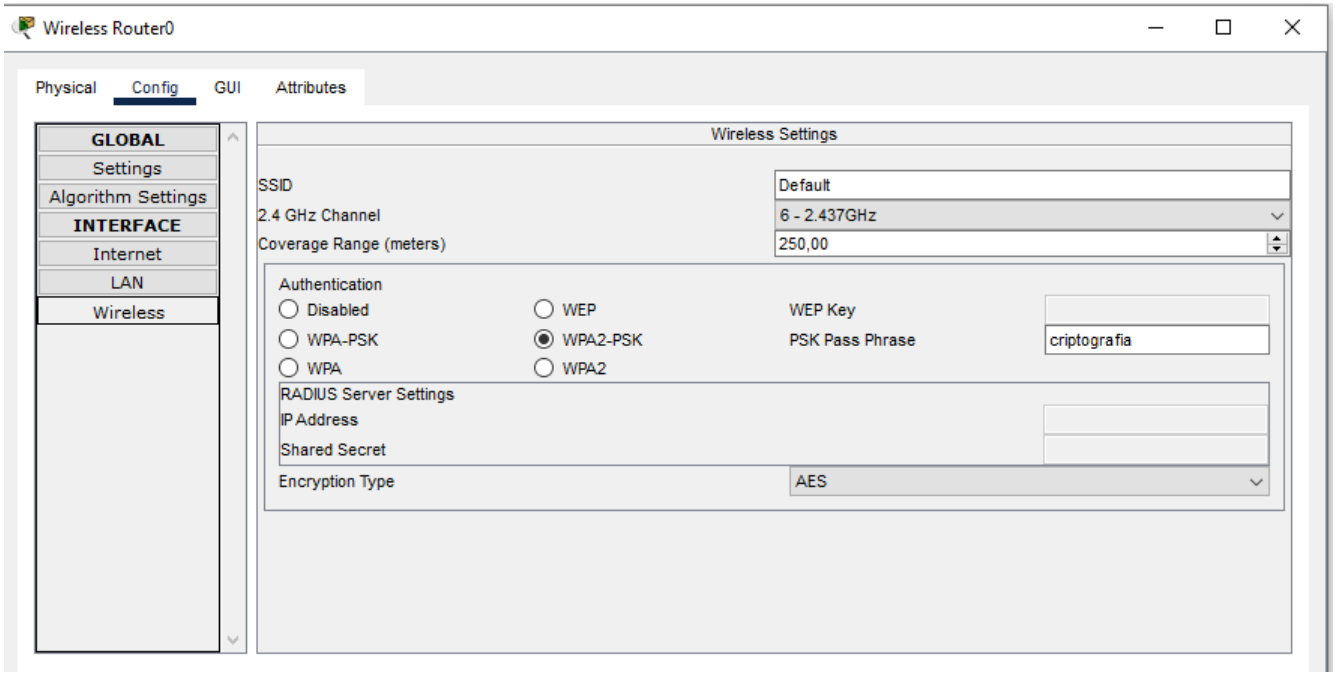

Figura 11: Exemplo inserir uma autenticacão

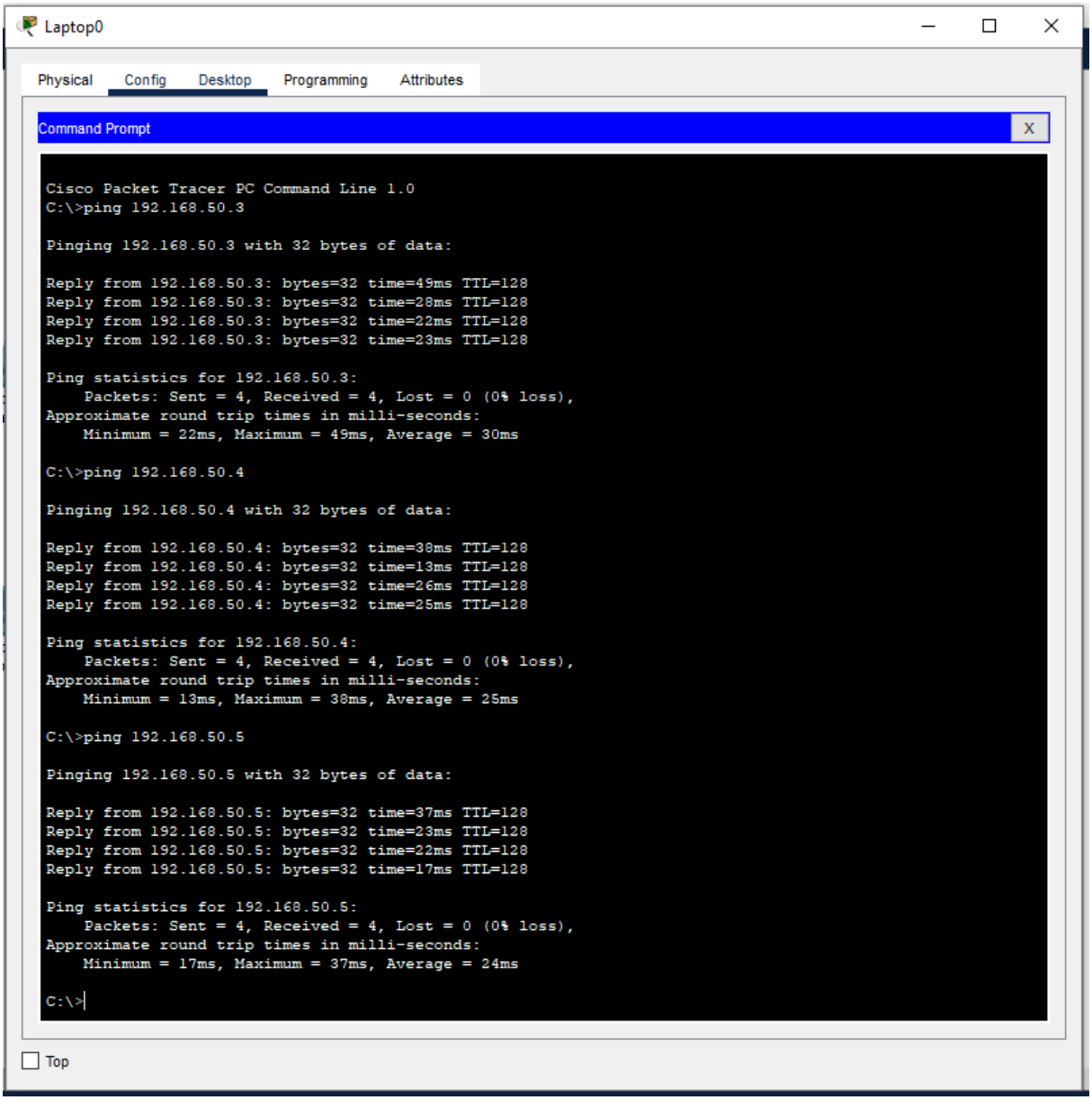

Figura 12: Testes necessários ping Laptop0

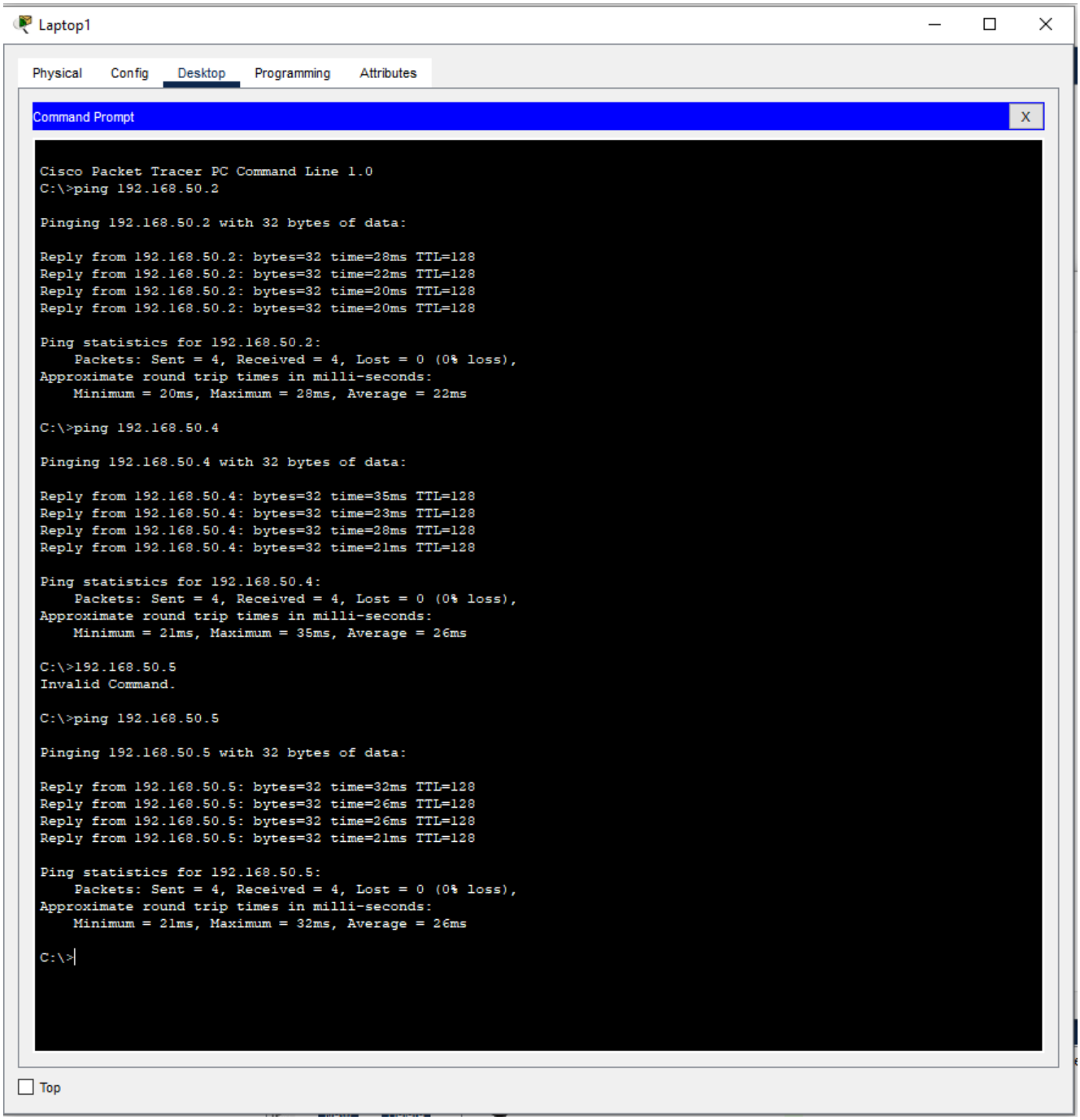

Figura 13: Testes necessários ping Laptop1

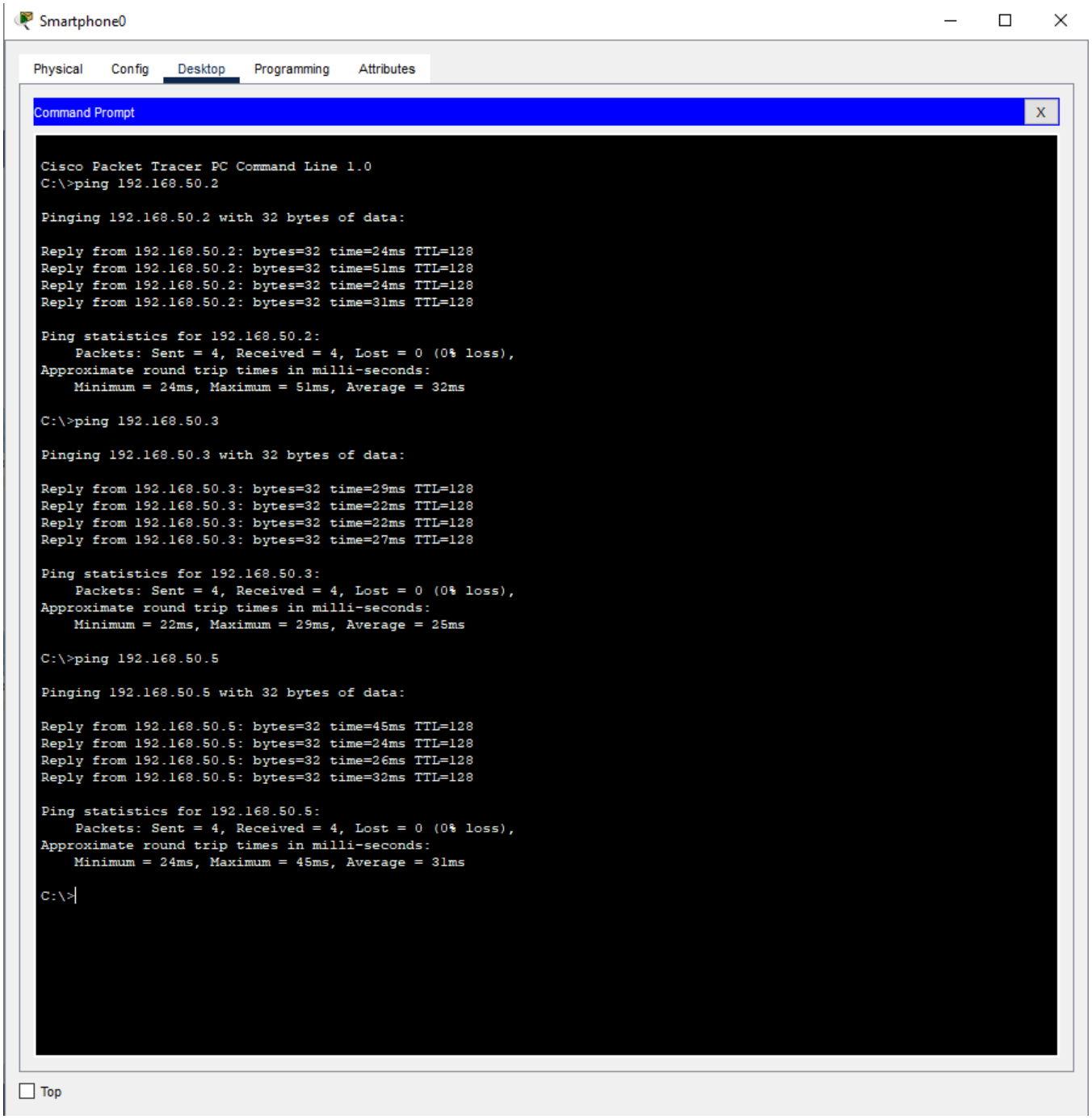

Figura 14: Testes necessários ping Smartphone

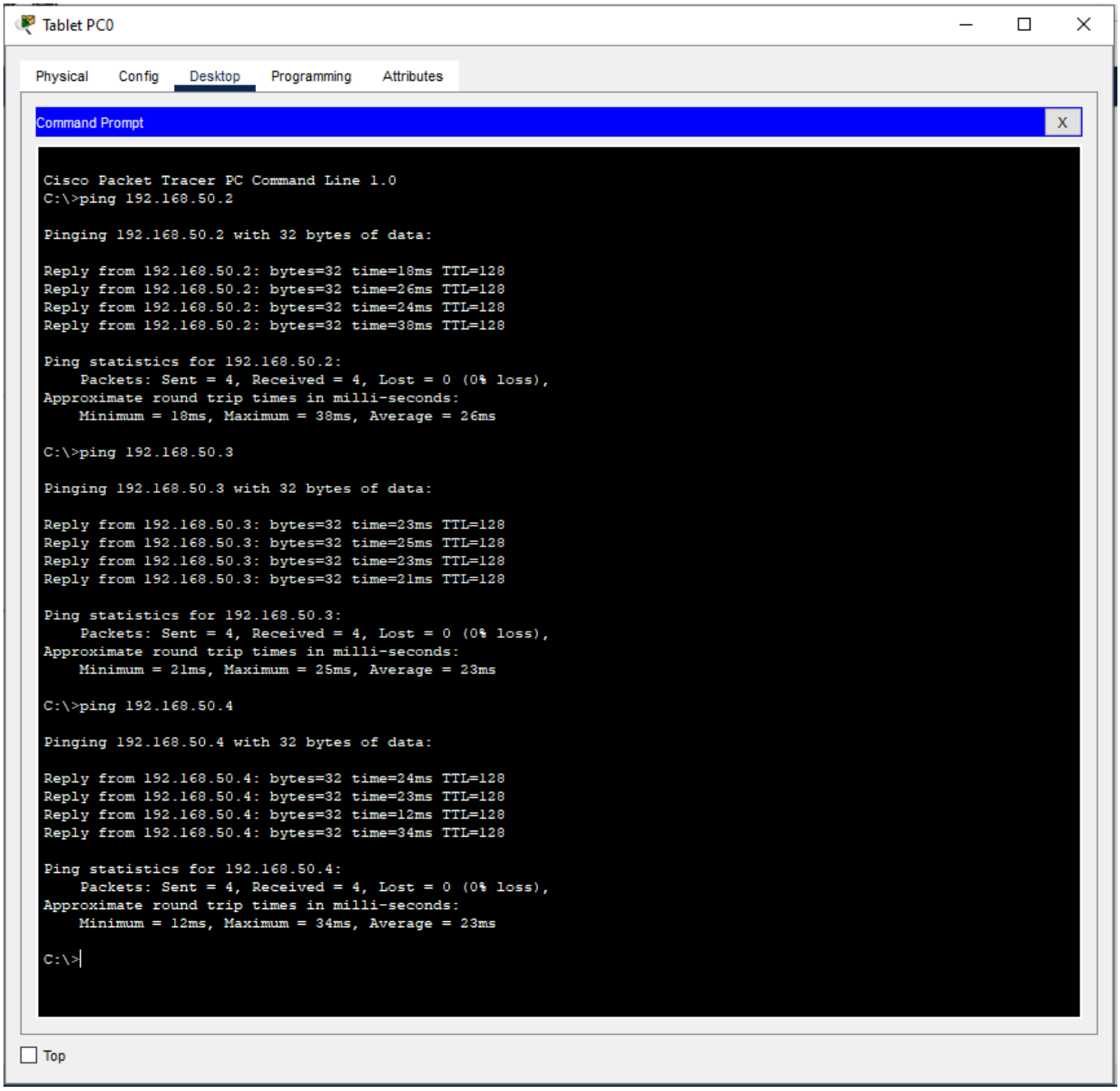

Figura 15: Testes necessários ping TabletPC

0.3 Exercício 4

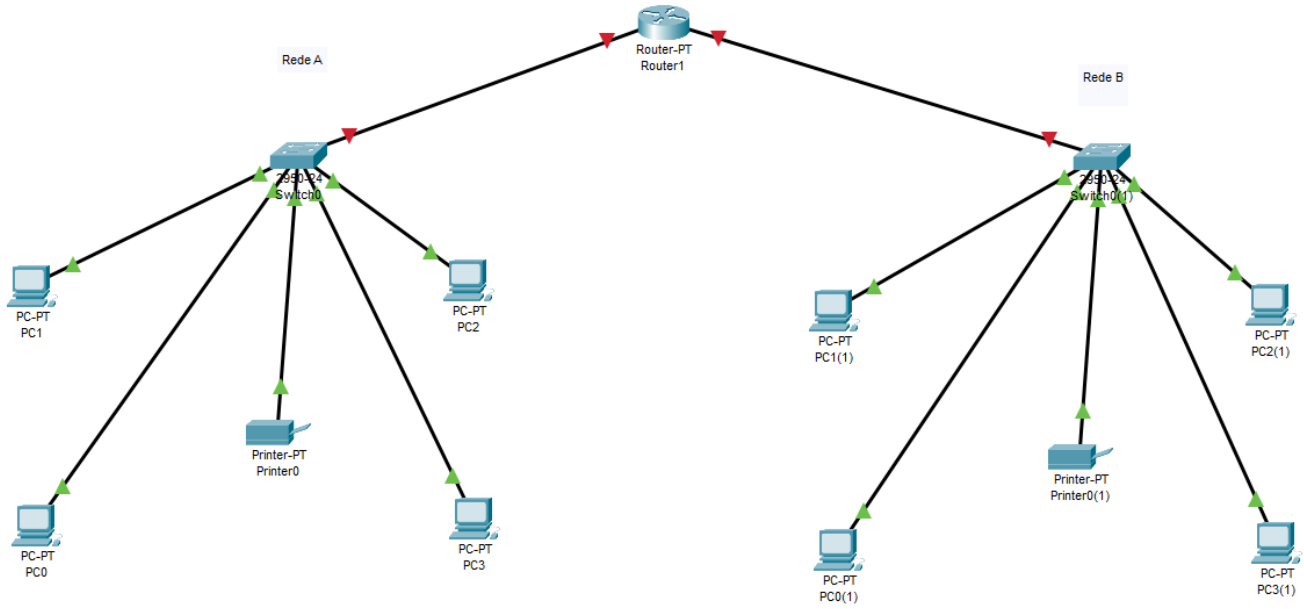

Figura 16: COMUNICAÇÃO ENTRE DUAS LANS DISTINTAS

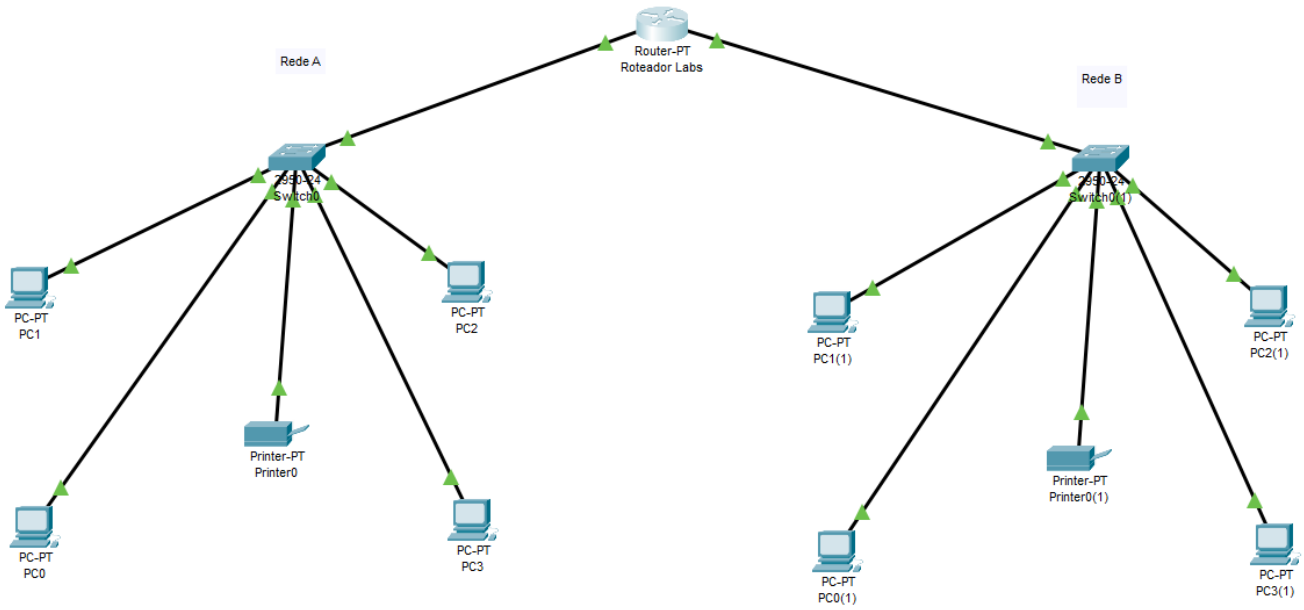

Figura 17: Configurando o roteador

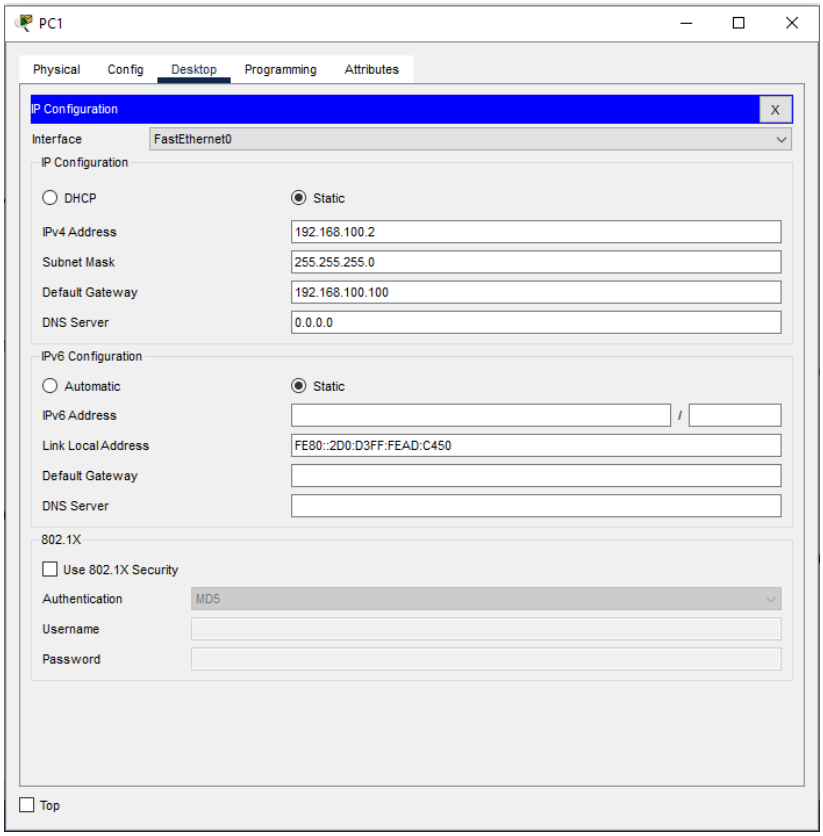

Figura 18: Exemplo inserindo o gateway pedrão

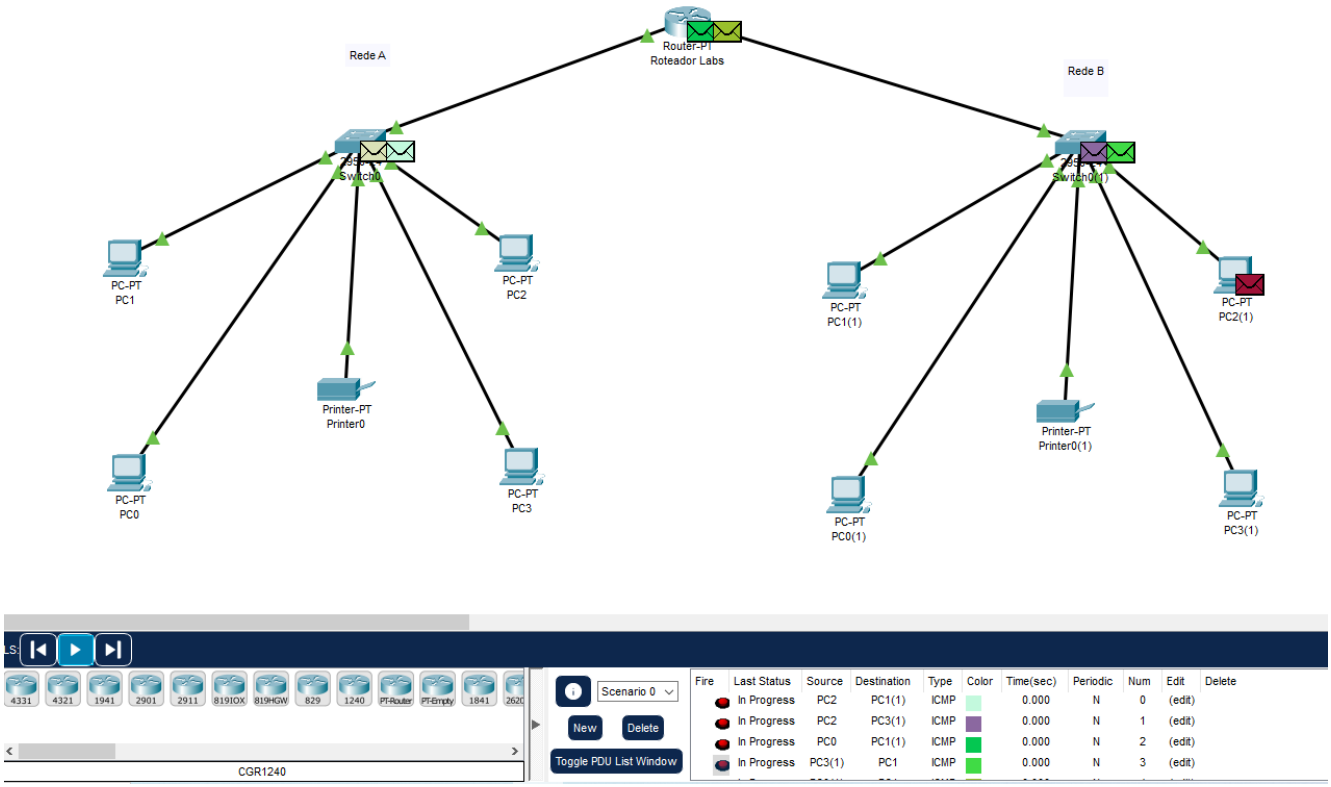

Figura 19: Teste com o envio de pdu (protocol data unit)

1)Crie no Packet Tracer um arquivo chamado AT11 atividade01.pkt e elabore uma rede local cabeada que contenha obrigatoriamente: 01 Switch, 01 Impressora, 05 Pcs, 01 Servidor(Server-PT), 02 Laptops.

Foi elaborado um SERVIDOR DNS local, visando resolver o IP: 198.162.7.1 e encaminhar para o site www.rocklee.com.Onde todos os computadores, laptops e printer, podem acessar tal rede.Seguindo as especificações da atividade e elaborando uma rede local com um servidor.Também seguindo a restrição do ip ser os dois números de matrícula.

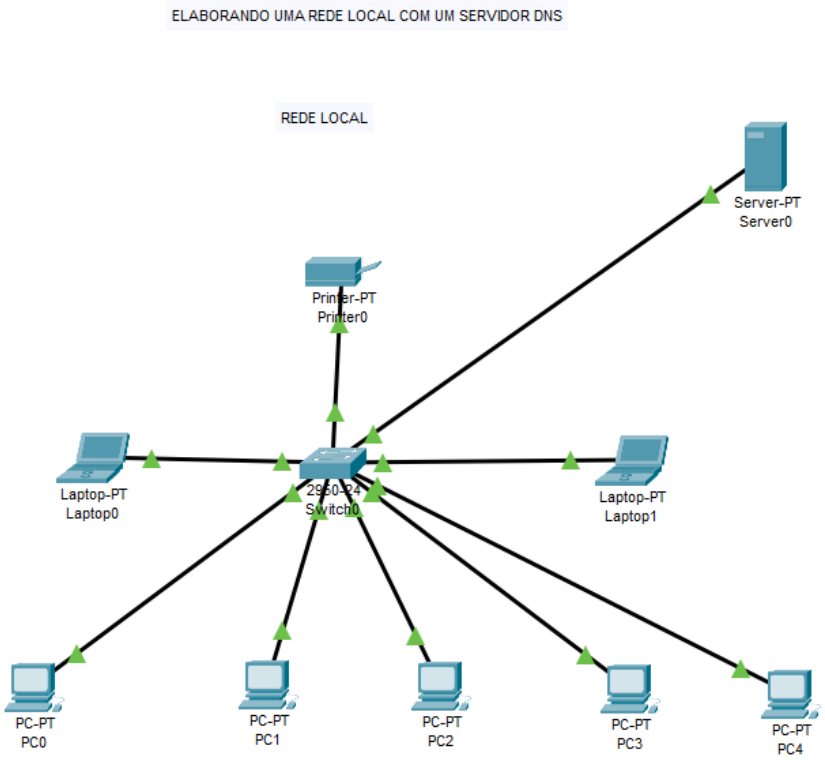

Figura 20: Rede local

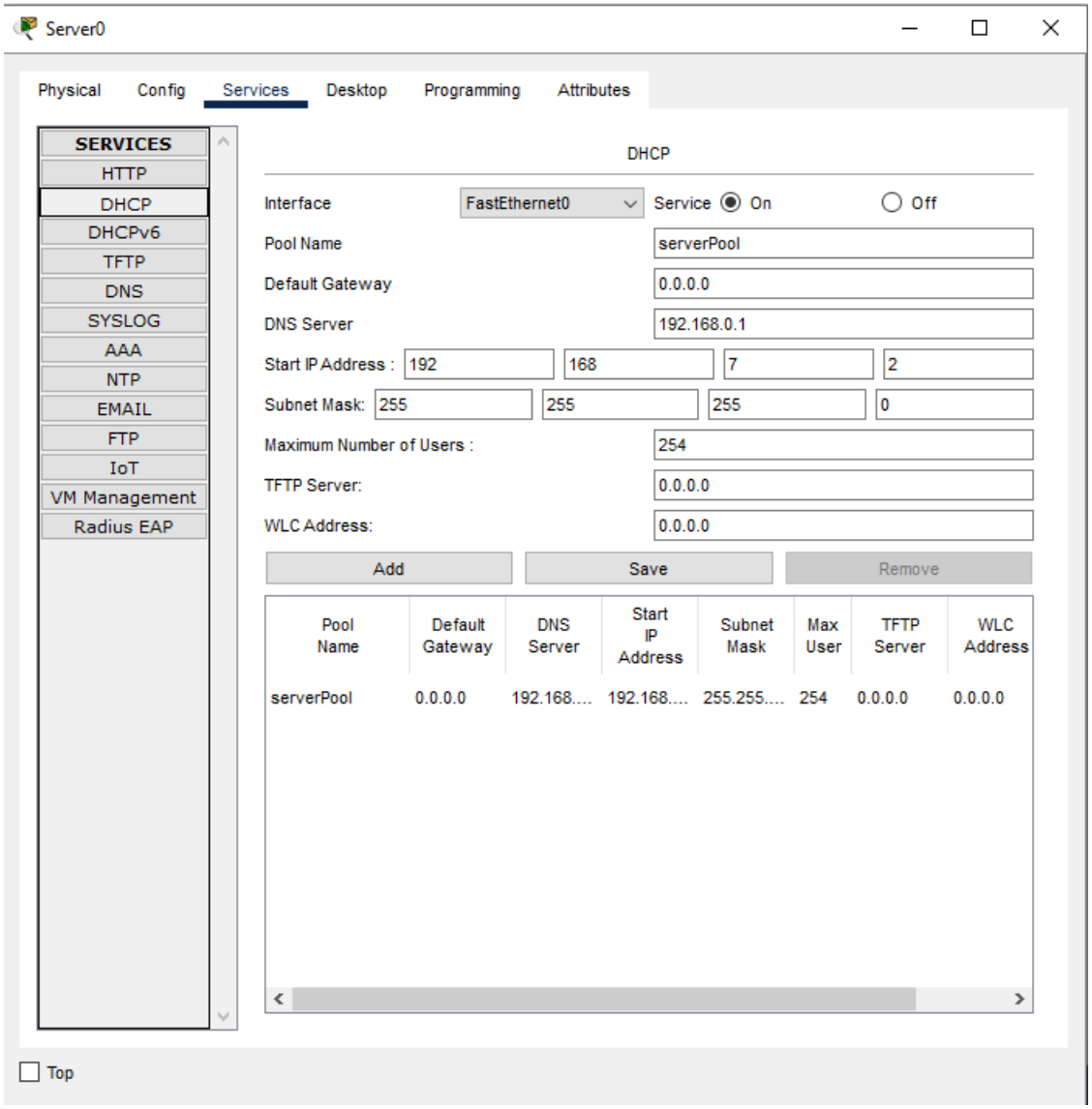

Figura 21: Servidor DHCP define a faixa de IPs

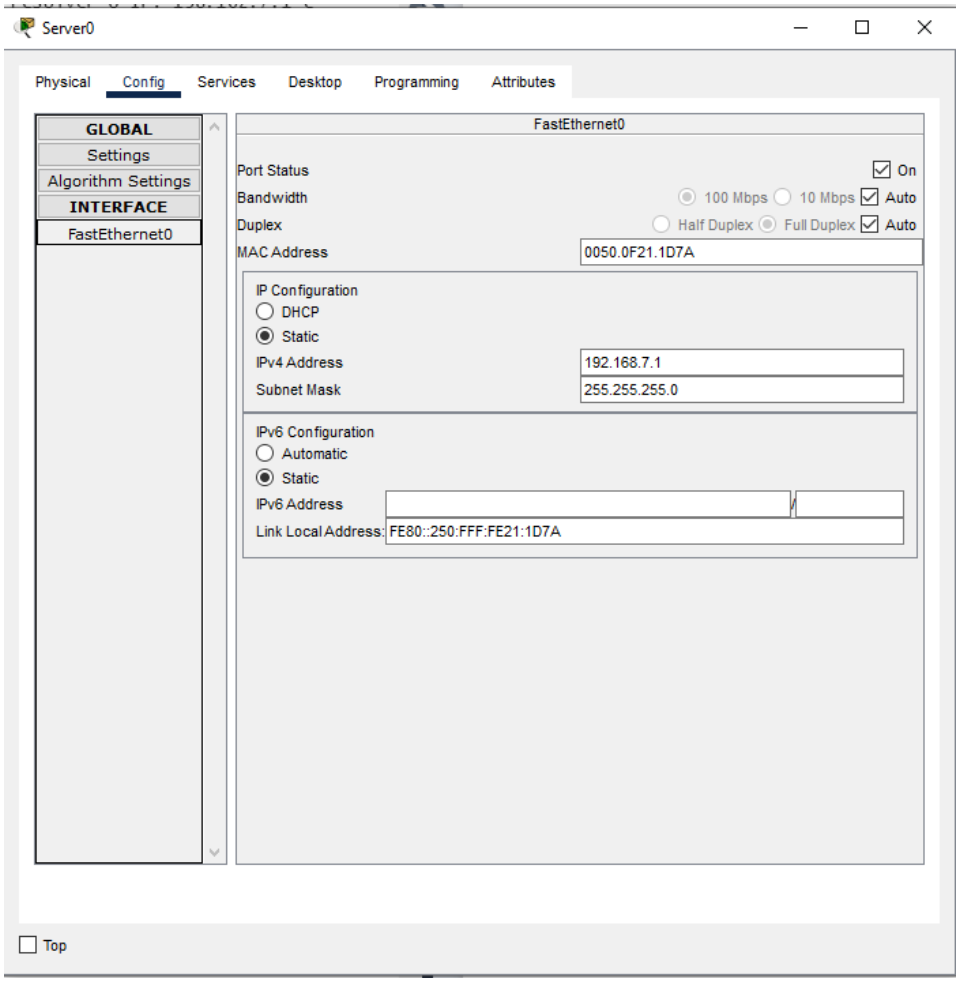

Figura 22: Ipv4 do servidor

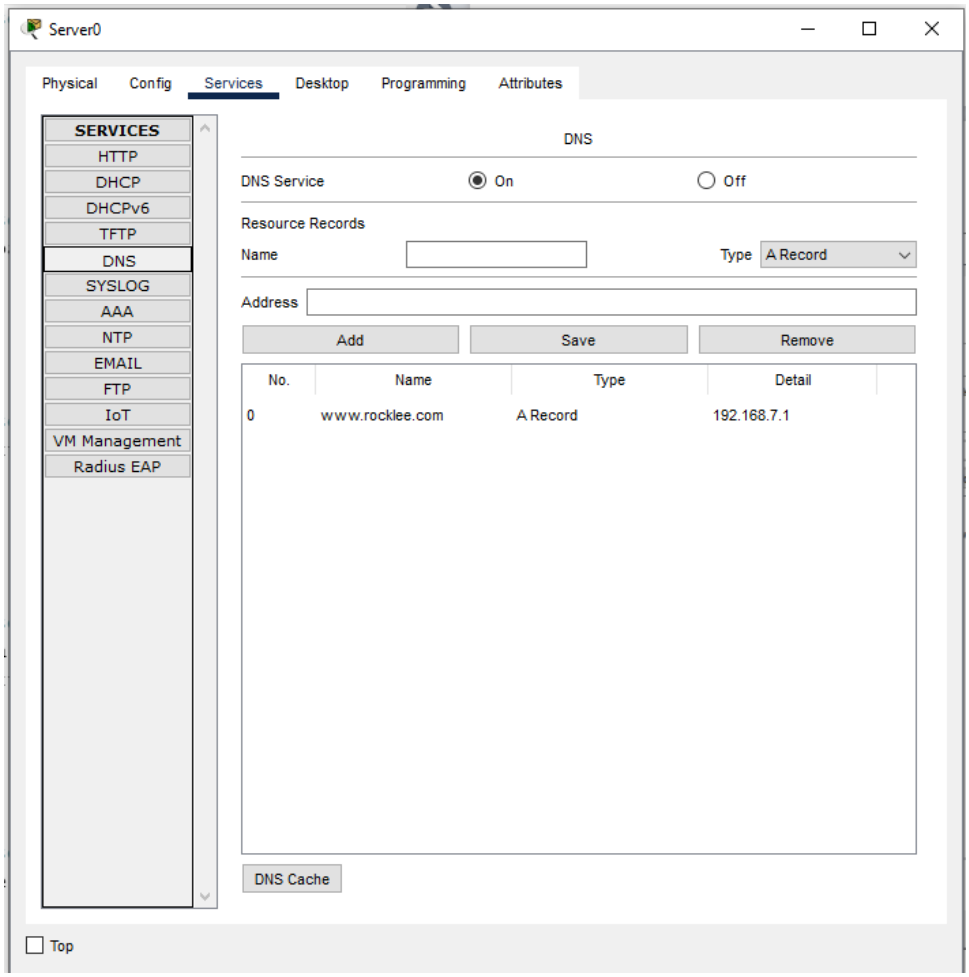

Figura 23: Serviço DNS onde resolve o IP para o site www.rocklee.com

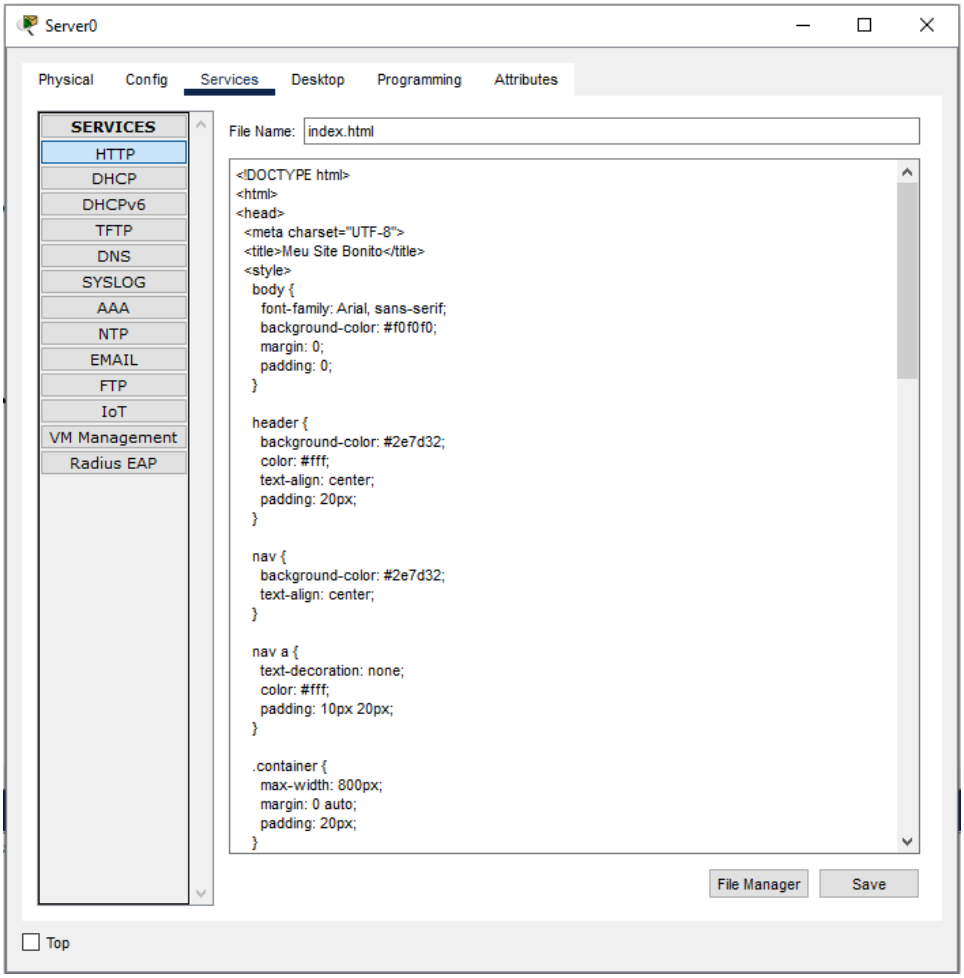

Figura 24: Site hospedado no servidor do tipo de serviço http

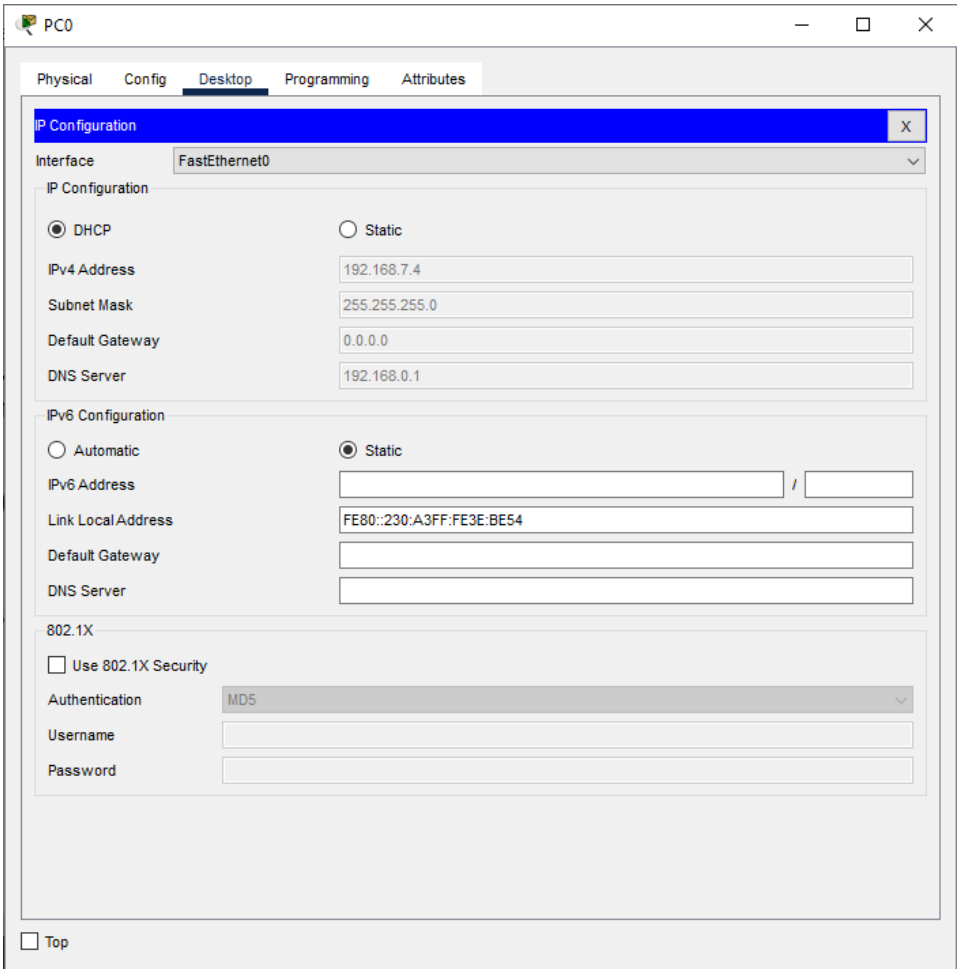

Figura 25: Exemplo configuração necessária para conectar com o servidor dns, onde foi repetido para todos os dispositivos, apenas mudando o ipv4 address, conforme a restrição dos dois numero de matrícula

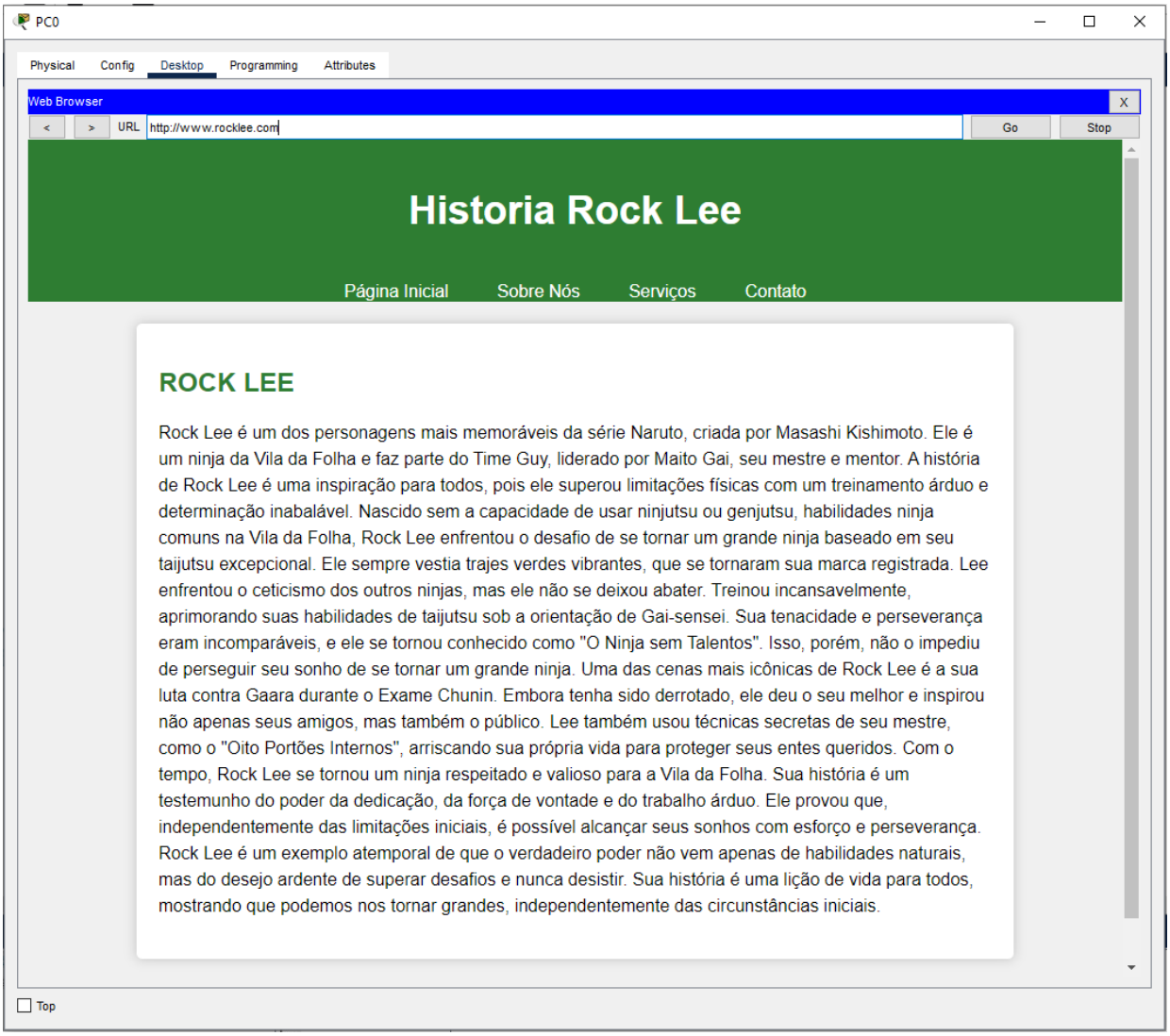

Figura 26: Exemplo resolvendo nome do site www.rocklee.com no servidor DNS

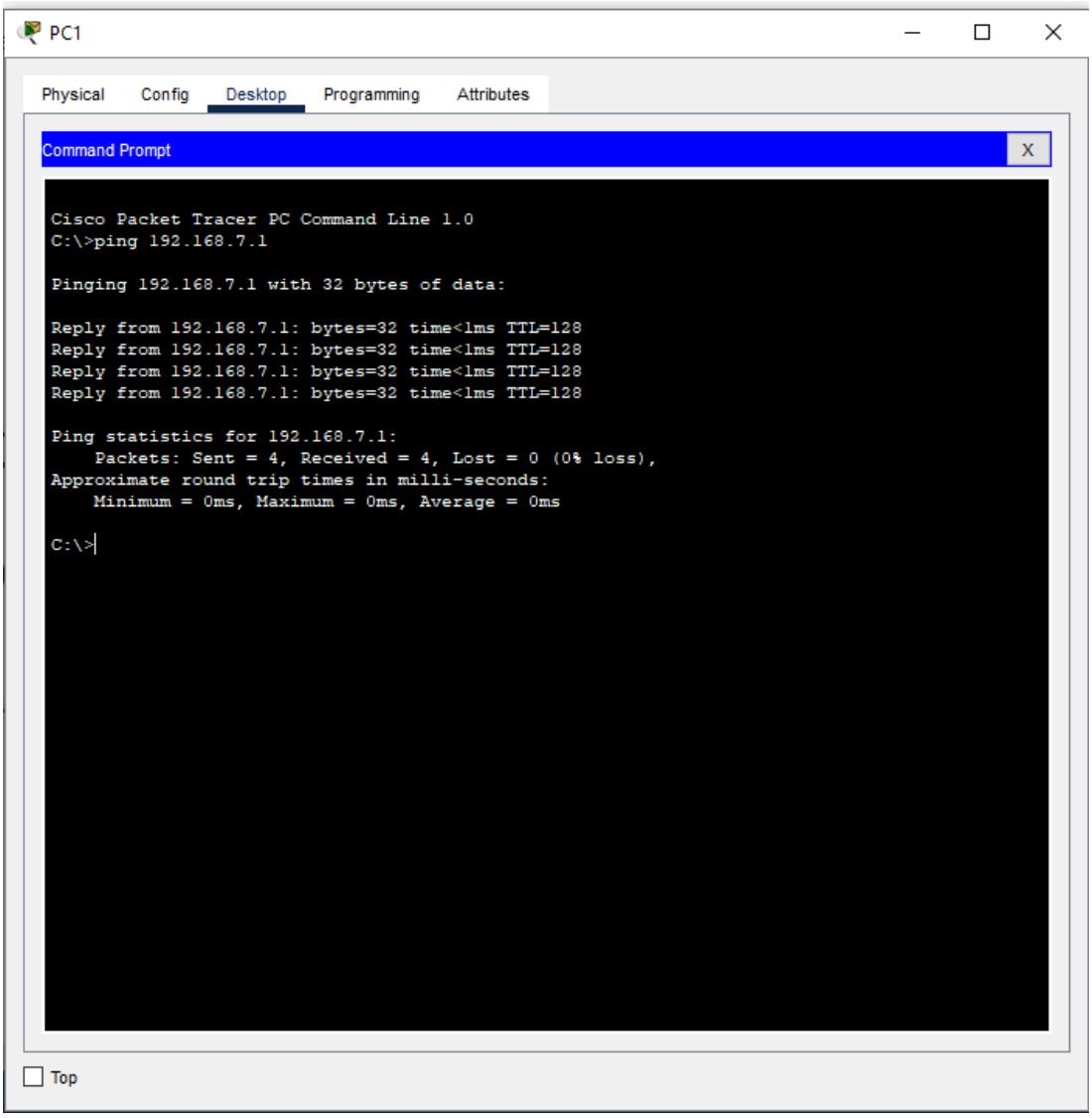

Figura 27: Exemplo teste necessário ping com o servidor.

2)Em um novo arquivo chamado AT11 atividade02.pkt, crie uma rede wireless contendo:além dos laptops e roteador wireless, uma impressora wireless e um PC com recepção wireless. Dica: para que a impressora e o PC tenham conexão wireless, lembre-se de trocar suas placas, conforme explicado anteriormente.

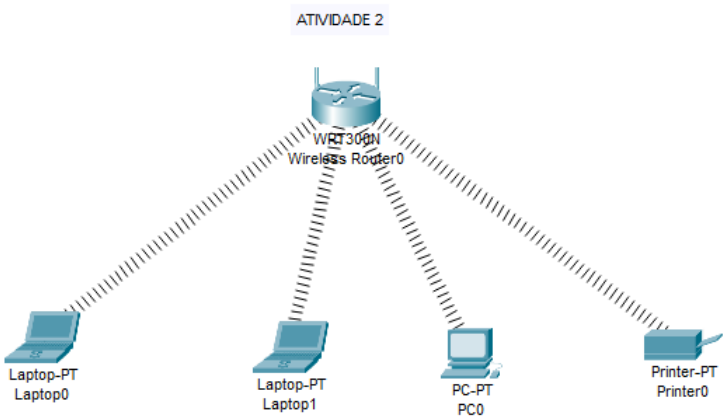

Figura 28: Rede wireless contendo:além dos laptops e roteador wireless, uma impressora wireless e um pc com recepção wireless

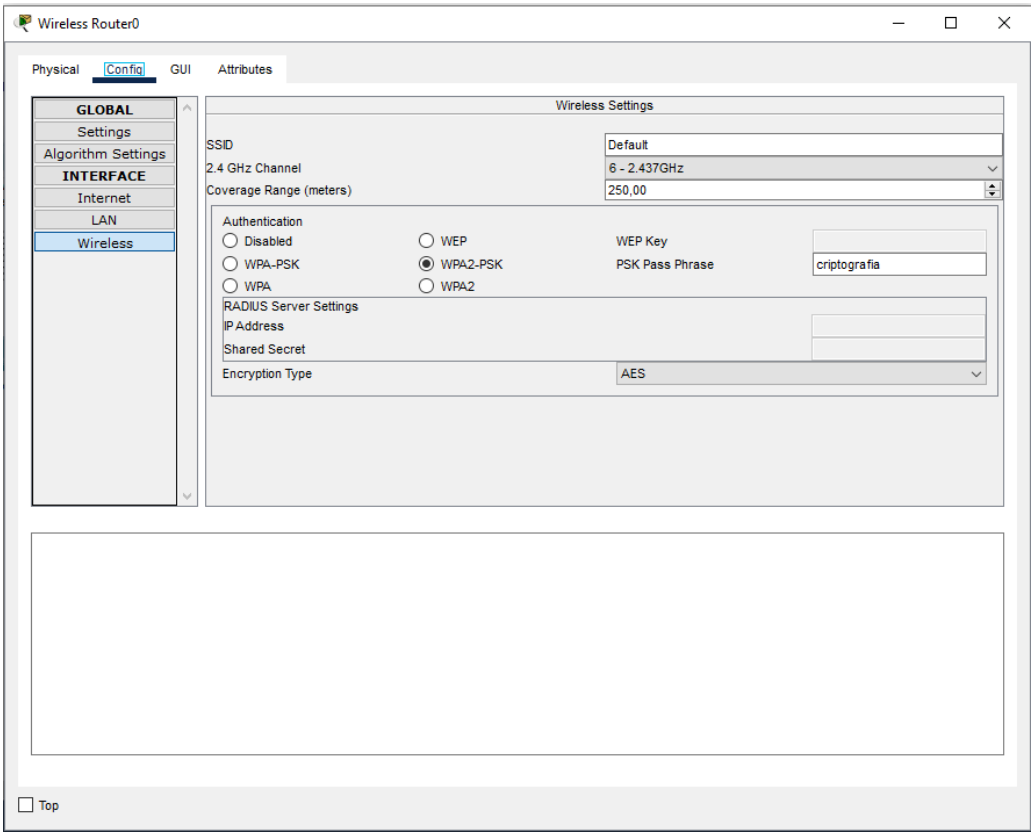

Figura 29: Segurança na rede wireless

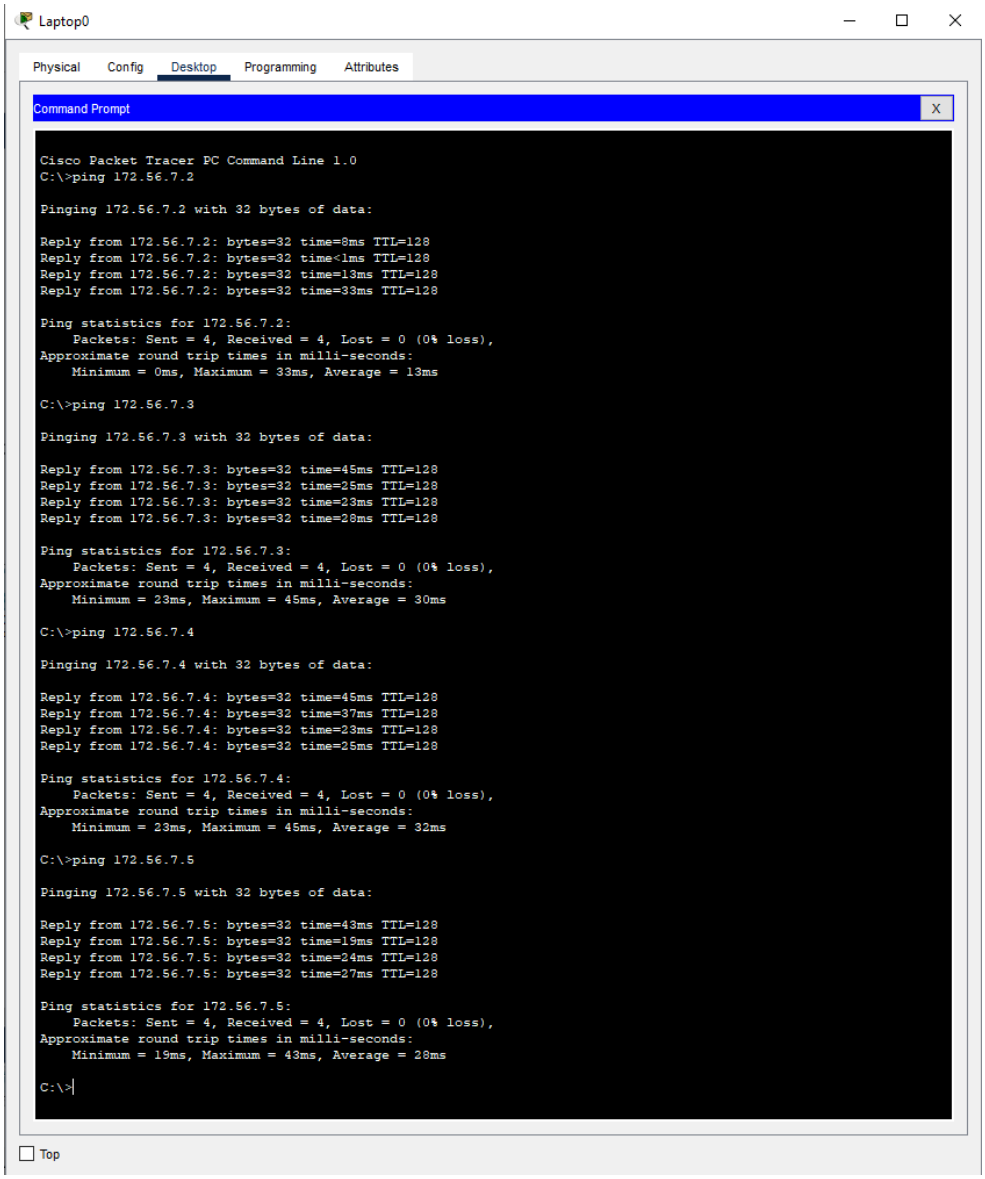

Figura 30: Teste com o comando ping do laptop0 para os demais dispositivos, o mesmo teste ocorre igualmente para os outros dispositivos.