Yêu cầu 1. Sử dụng lớp mạng **10.81.64.0/24**, với x là 2 số cuối của MSSV để chia các mạng con cho mô hình của bài thực hành với số host phù hợp. Sinh viên hoàn thành bảng sau:

**NET1:** Cần 7 bit cho host -> mượn 8-7=1 bit

**10.81.64.0/25 -> 100 hosts**

**10.81.64.128/25 => dư**

**NET2:** Cần 5 bit cho host -> mượn 7-5=2 bit

**10.81.64.128/27 -> 15 hosts**

10.81.64.160/27 -> dư

**NET3: Cần 4 bit cho host -> mượn 5-4=1 bit**

**10.81.64.160/28 -> 10 hosts**

10.81.64.176/28 -> dư

4 Router: 2^2 – 2 = 2 host > 2 host , cần 2 bit cho phần host , mượn 4-2 = 2 bit cho phần net

- 10.81.64.176/30

- 10.81.64.180/30

- 10.81.64.184/30

- 10.81.64.188/30

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Số host** | **Network** | **Subnet mask** | **Dải IP** | **Broadcast** |
| 100 | 10.81.64.0/25 | 255.255.255.128 | .64.1 - .64.126 | .64.127 |
| 15 | 10.81.64.128 /27 | 255.255.255.224 | .64.129 - .64.158 | .64.159 |
| 10 | 10.81.64.160/28 | 255.255.255.240 | .64.161 - .64.174 | .64.175 |
| 2 | 10.81.64.176/30 | 255.255.255.252 | .64.177 - .64.178 | .64.149 |
| 2 | 10.81.64.180/30 | 255.255.255.252 | .64.181 - .64.182 | .64.183 |
| 2 | 10.81.64.184/30 | 255.255.255.252 | .64.185 - .64.186 | .64.187 |
| 2 | 10.81.64.188/30 | 255.255.255.252 | .64.189 - .64.190 | .64.191 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Thiết bị** | **Interface** | **IPv4** | **Subnet mask** | **Default Gateway** |
| R1 | G0/0/1 | 10.81.64.1 | 255.255.255.128 | N/A |
| S0/1/0 | 10.81.64.177 | 255.255.255.252 | N/A |
| S0/1/1 | 10.81.64.189 | 255.255.255.252 | N/A |
| R2 | S0/1/0 | 10.81.64.178 | 255.255.255.252 | N/A |
| S0/1/1 | 10.81.64.181 | 255.255.255.252 | N/A |
| R3 | G0/0/0 | 10.81.64.161 | 255.255.255.240 | N/A |
| G0/0/1 | 10.81.64.129 | 255.255.255.224 | N/A |
| S0/1/0 | 10.81.64.182 | 255.255.255.252 | N/A |
| S0/1/1 | 10.81.64.185 | 255.255.255.252 | N/A |
| R4 | S0/1/0 | 10.81.64.186 | 255.255.255.252 | N/A |
| S0/1/1 | 10.81.64.190 | 255.255.255.252 | N/A |
| PC-A | NIC | 10.81.64.126 | 255.255.255.128 | 10.81.64.1 |
| ServerB1 | NIC | 10.81.64.174 | 255.255.255.240 | 10.81.64.161 |
| ServerB2 | NIC | 10.81.64.158 | 255.255.255.224 | 10.81.64.129 |

Server A: 10.81.64.160 255.255.255.240

Server B: 10.81.64.128 255.255.255.224

PCA: 10.81.64.0 255.255.255.128

Ảnh minh chứng:  
A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generatedA screenshot of a computer program

Description automatically generatedA screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated