Lab 7.1.4.9 Identifying IPv4 Addresses

* 1. Analyze the table shown below and identify the address as public or private.

|  |  |
| --- | --- |
| IP Address/Prefix | Public or Private |
| 209.165.201.30/27 | Pública |
| 192.168.255.253/24 | Privada |
| 10.100.11.103/16 | Privada |
| 172.30.1.100/28 | Privada |
| 192.31.7.11/24 | Pública |
| 172.20.18.150/22 | Privada |
| 128.107.10.1/16 | Pública |
| 192.135.250.10/24 | Pública |
| 64.104.0.11/16 | Pública |

* 1. Analyze the table shown below and identify whether the address/prefix pair is a valid host address.

|  |  |  |
| --- | --- | --- |
| IP Address/Prefix | Valid Host Address? | Reason |
| 127.1.0.10/24 | NO | Loopback |
| 172.16.255.0/16  172.16.0.0  **172.16.0.1 – 172.16.255.254**  172.16.255.255 | Si | Host address |
| 241.19.10.100/24 | No | Reservada clase E |
| 192.168.0.254/24  **192.168.0**.0  .1 - .254  .255 | si | Host address |
| 192.31.7.255/24  192.31.7.0  .255 | No | Broadcast address |
| 64.102.255.255/14  255.11111100.0.0  64.0110 0100.0.0  64.0110 0111.255.255  64.100.0.0 –  64.103.255.255 | Si | Host address |
| 224.0.0.5/16 | NO | Multicast |
| 10.0.255.255/8  255.0.0.0  **10.0.0.0**  **10.255.255.255** | si | Host address |
| 198.133.219.8/24  **198.133.219.0**  **198.133.219.255** | si | Host address |