1. Cite os intervalos das redes A, B e C, quantidade de hosts total e disponíveis de cada rede.

**Classe A**

Intervalo Inicial: 1

Intervalo Final: 126

Quantidade hosts: 16.777.216 (256\*256\*256)

Quantidade Disponível: 16.777.214 ((256\*256\*256)-2)

**Classe B**

Intervalo Inicial: 128

Intervalo Final: 191

Quantidade hosts: 65.536 (256\*256)

Quantidade Disponível: 65.534 ((256\*256)-2)

**Classe C**

Intervalo Inicial: 192

Intervalo Final: 223

Quantidade hosts: 256 (256)

Quantidade Disponível: 254 ((256)-2)

2. Identifique o que se pede abaixo:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Nº | IP | Host Inicial | Host Final | IP Broadcast | IP Rede | Classe | Mask | Bits Mask |
| 01 | 177.100.18.4 | 177.100.0.1 | 177.100.255.254 | 177.100.255.255 | 177.100.0.0 | B | 255.255.0.0 | 16 |
| 02 | 119.18.45.0 | 119.0.0.1 | 119.255.255.254 | 119.255.255.255 | 119.0.0.0 | A | 255.0.0.0 | 8 |
| 03 | 209.240.80.78 | 209.240.80.1 | 209.240.80.254 | 209.240.80.255 | 209.240.80.0 | C | 255.255.255.0 | 24 |
| 04 | 199.155.77.56 | 199.155.77.1 | 199.155.77.254 | 199.155.77.255 | 199.155.77.0 | C | 255.255.255.0 | 24 |
| 05 | 117.89.56.45 | 117.0.0.1 | 177.255.255.254 | 177.255.255.255 | 117.0.0.0 | A | 255.0.0.0 | 8 |
| 06 | 215.45.45.0 | 215.45.45.1 | 215.45.45.254 | 215.45.45.255 | 215.45.45.0 | C | 255.255.255.0 | 24 |
| 07 | 192.200.15.0 | 192.200.15.1 | 192.200.15.254 | 192.200.15.255 | 192.200.15.0 | C | 255.255.255.0 | 24 |
| 08 | 95.0.21.90 | 95.0.0.1 | 95.255.255.254 | 95.255.255.255 | 95.0.0.0 | A | 255.0.0.0 | 8 |
| 09 | 33.0.0.0 | 33.0.0.1 | 33.255.255.254 | 33.255.255.255 | 33.0.0.0 | A | 255.0.0.0 | 8 |
| 10 | 158.98.80.0 | 158.98.0.1 | 158.98.255.254 | 158.98.255.255 | 158.98.0.0 | B | 255.255.0.0 | 16 |
| 11 | 217.21.56.0 | 217.21.56.1 | 217.21.56.254 | 217.21.56.255 | 217.21.56.0 | C | 255.255.255.0 | 24 |
| 12 | 10.250.1.1 | 10.0.0.1 | 10.255.255.254 | 10.255.255.255 | 10.0.0.0 | A | 255.0.0.0 | 8 |
| 13 | 150.10.15.0 | 150.10.0.1 | 150.10.255.254 | 150.10.255.255 | 150.10.0.0 | B | 255.255.0.0 | 16 |
| 14 | 192.14.2.0 | 192.14.2.1 | 192.14.2.254 | 192.14.2.255 | 192.14.2.0 | C | 255.255.255.0 | 24 |
| 15 | 148.17.9.1 | 148.17.0.1 | 148.17.255.254 | 148.17.255.255 | 148.17.0.0 | B | 255.255.0.0 | 16 |
| 16 | 192.42.1.1 | 192.42.1.1 | 192.42.1.254 | 192.42.1.255 | 192.42.1.0 | C | 255.255.255.0 | 24 |
| 17 | 126.8.156.0 | 126.0.0.1 | 126.255.255.254 | 126.255.255.255 | 126.0.0.0 | A | 255.0.0.0 | 8 |
| 18 | 220.200.23.1 | 220.200.23.1 | 220.200.23.254 | 220.200.23.255 | 220.200.23.0 | C | 255.255.255.0 | 24 |
| 19 | 10.15.123.50 | 10.0.0.1 | 10.255.255.254 | 10.255.255.255 | 10.0.0.0 | A | 255.0.0.0 | 8 |
| 20 | 198.125.87.17 | 198.125.87.1 | 198.125.87.254 | 198.125.87.255 | 198.125.87.0 | C | 255.255.255.0 | 24 |
| 21 | 171.2.199.31 | 171.2.0.1 | 171.2.255.254 | 171.2.255.255 | 171.2.0.0 | B | 255.255.0.0 | 16 |
| 22 | 25.250.135.46 | 25.0.0.1 | 25.255.255.254 | 25.255.255.255 | 25.0.0.0 | A | 255.0.0.0 | 8 |
| 23 | 195.0.21.98 | 195.0.21.1 | 195.0.21.254 | 195.0.21.255 | 195.0.21.0 | C | 255.255.255.0 | 24 |
| 24 | 100.25.1.1 | 100.0.0.1 | 100.255.255.254 | 100.255.255.255 | 100.0.0.0 | A | 255.0.0.0 | 8 |
| 25 | 148.17.9.155 | 148.17.0.1 | 148.17.255.254 | 148.17.255.255 | 148.17.0.0 | B | 255.255.0.0 | 16 |
| 26 | 155.25.169.22 | 155.25.0.1 | 155.25.255.254 | 155.25.255.255 | 155.25.0.0 | B | 255.255.0.0 | 16 |
| 27 | 17.45.222.45 | 17.0.0.1 | 17.255.255.254 | 17.255.255.255 | 17.0.0.0 | A | 255.0.0.0 | 8 |
| 28 | 192.15.155.2 | 192.15.155.1 | 192.15.155.254 | 192.15.155.255 | 192.15.155.0 | C | 255.255.255.0 | 24 |
| 29 | 191.41.35.112 | 191.41.0.1 | 191.41.255.254 | 191.41.255.255 | 191.41.0.0 | B | 255.255.0.0 | 16 |
| 30 | 123.102.45.25 | 123.0.0.1 | 123.255.255.254 | 123.255.255.255 | 123.0.0.0 | A | 255.0.0.0 | 8 |
| 31 | 126.201.54.23 | 126.0.0.1 | 126.255.255.254 | 126.255.255.255 | 126.0.0.0 | A | 255.0.0.0 | 8 |
| 32 | 223.250.200.2 | 223.250.200.1 | 223.250.200.254 | 223.250.200.255 | 223.250.200.0 | C | 255.255.255.0 | 24 |
| 33 | 192.1.2.2 | 192.1.2.1 | 192.1.2.254 | 192.1.2.255 | 192.1.2.0 | C | 255.255.255.0 | 24 |
| 34 | 15.15.15.15 | 15.0.0.1 | 15.255.255.254 | 15.255.255.255 | 15.0.0.0 | A | 255.0.0.0 | 8 |
| 35 | 10.1.1.1 | 10.0.0.1 | 10.255.255.254 | 10.255.255.255 | 10.0.0.0 | A | 255.0.0.0 | 8 |
| 36 | 122.122.122.0 | 122.0.0.1 | 122.255.255.254 | 122.255.255.255 | 122.0.0.0 | A | 255.0.0.0 | 8 |
| 37 | 100.100.100.1 | 100.0.0.1 | 100.255.255.254 | 100.255.255.255 | 100.0.0.0 | A | 255.0.0.0 | 8 |
| 38 | 192.192.192.1 | 192.192.192.1 | 192.192.192.254 | 192.192.192.255 | 192.192.192.0 | C | 255.255.255.0 | 24 |
| 39 | 201.0.0.0 | 201.0.0.1 | 201.255.255.254 | 201.255.255.255 | 201.0.0.0 | C | 255.255.255.0 | 24 |
| 40 | 1.255.255.100 | 1.0.0.1 | 1.255.255.254 | 1.255.255.255 | 1.0.0.0 | A | 255.0.0.0 | 8 |