**# André Lucas Fabbris de Toledo – RA 1902777**

1.

a- 130.160.240.10

b- 193.1.0.5

c- 169.255.8.1

d- 10.0.2.136

e- 172.16.7.204

2.

0100 1111 1010 0011 0000 1101 0000 0001

1101 1011 1011 0101 1010 0101 0111 1000

0011 1111 0111 1111 1100 0000 0000 1011

1001 0101 1010 1111 0000 1101 0100 0011

1000 0001 1101 1001 1000 1101 1011 1100

3.

255.255.255.0

255.255.192.0

255.255.255.224

255.255.248.0

255.240.0.0

255.255.252.0

254.0.0.0

255.255.128.0

255.255.255.252

255.255.255.128

4.

/24 Endereços: 256/Hosts: 254 /18 Endereços: 16384/Hosts: 16382

/27 Endereços: 32/Hosts: 30 /21 Endereços: 2048/Hosts: 2046

/12 Endereços: 1048576/Hosts: 1048574 /22 Endereços: 1024/Hosts: 1022

/7 Endereços: 33554432/Hosts: 33554430 /17 Endereços: 32768/Hosts: 32766

/30 Endereços: 4/Hosts: 2 /25 Endereços: 128/Hosts: 126

5.

Classe A, Classe A, Classe A, Classe A, Classe B, Classe B

Classe C, Classe C, Classe D, Classe E, Classe E (Broadcast Global)

6.

00001010 00000000 00000000 00000001 – Host

00111100 10010000 00011000 00000000 – Rede

00111100 10010000 00011000 00000000 – Host

01111011 00010110 00000000 00000011 – Broadcast

01101011 00011000 00111110 11111111 – Host

01110000 00001100 00000000 00000000 – Rede

10000001 00000111 00000000 00000000 – Host

10001101 01001001 00001111 11111111 – Broadcast

00001100 00010000 11111111 11111111 – Host

01111001 00001001 11111111 00001100 – Rede

7.

**00001010 00000000 00000001** 01100100 – Rede: 10.0.1.0/Broadcast: 10.0.1.255

Host: 10.0.1.1/10.0.1.254

**00111111 00000010 0001101**1 01100100 – Rede: 63.2.26.0/Broadcast: 63.2.27.255

Host: 63.2.26.1/63.2.27.254

**00111111 00001**100 00011011 01100100 – Rede: 63.8.0.0/Broadcast: 63.15.255.255

Host: 63.8.0.1/63.15.255.254

**10101001 11111110 1111**1101 00001100 – Rede: 169.254.240.0/Broadcast: 169.254.255.255

Host: 169.254.240.1/169.254.255.254

**11000000 10101000 00001**111 00000011 – Rede: 192.168.8.0/Broadcast: 192.168.15.255

Host: 192.168.8.1/192.168.15.254