Alexandre Silva - RA: 624071
Gabriela Stela Ramos - RA: 628751
Hugo Hakamada - RA: 626082

1)

IP: 10.240.100.0/24

a)

$$2^n = 2^{(3)} = 8$$

→ serão necessários 3 bits

b)

$$2^5 - 2 = 30 \text{ hots}$$

c)

1	1	1					
2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0
128	64	32					

$$128 + 64 + 32 = 224$$

MÁSCARA sub-rede : 255.255.255.224 / 27

d)

REDE	INTERVALO HOSTS	BROADCAST
1 = 10.240.100.0	10.240.100.1 a 10.240.100.30	10.240.100.31
2 = 10.240.100.32	10.240.100.33 a 10.240.100.62	10.240.100.63
3 = 10.240.100.64	10.240.100.65 a 10.240.100.94	10.240.100.95
4 = 10.240.100.96	10.240.100.97 a 10.240.100.126	10.240.100.127
5 = 10.240.100.128	10.240.100.129 a 10.240.100.158	10.240.100.159
6 = 10.240.100.160	10.240.100.161 a 10.240.100.190	10.240.100.191
7 = 10.240.100.192	10.240.100.193 a 10.240.100.222	10.240.100.223
8 = 10.240.100.224	10.240.100.225 a 10.240.100.254	10.240.100.255