Resumo rápido de Sub-redes (CIDR) – /23 até /0 + Exercícios

Tabela de prefixos (/23 → /0)

Prefixo	Máscara	Tamanho do bloco	Hosts utilizáveis
/23	255.255.254.0	512	510
/22	255.255.252.0	1.024	1.022
/21	255.255.248.0	2.048	2.046
/20	255.255.240.0	4.096	4.094
/19	255.255.224.0	8.192	8.190
/18	255.255.192.0	16.384	16.382
/17	255.255.128.0	32.768	32.766
/16	255.255.0.0	65.536	65.534
/15	255.254.0.0	131.072	131.070
/14	255.252.0.0	262.144	262.142
/13	255.248.0.0	524.288	524.286
/12	255.240.0.0	1.048.576	1.048.574
/11	255.224.0.0	2.097.152	2.097.150
/10	255.192.0.0	4.194.304	4.194.302
/9	255.128.0.0	8.388.608	8.388.606
/8	255.0.0.0	16.777.216	16.777.214
/7	254.0.0.0	33.554.432	33.554.430
/6	252.0.0.0	67.108.864	67.108.862
/5	248.0.0.0	134.217.728	134.217.726
/4	240.0.0.0	268.435.456	268.435.454
/3	224.0.0.0	536.870.912	536.870.910
/2	192.0.0.0	1.073.741.824	1.073.741.822
/1	128.0.0.0	2.147.483.648	2.147.483.646
/0	0.0.0.0	4.294.967.296	4.294.967.294

Exercícios: rede, broadcast e hosts

Item	IP/CIDR	Rede	Broadcast	Faixa de hosts	Hosts utilizáveis
a	192.168.15.33/26	192.168.15.0	192.168.15.63	192.168.15.1 - 192.168.15.62	62
b	200.45.70.201/28	200.45.70.192	200.45.70.207	200.45.70.193 - 200.45.70.206	14
c	172.25.10.79/27	172.25.10.64	172.25.10.95	172.25.10.65 - 172.25.10.94	30
d	192.168.100.212/25	192.168.100.128	192.168.100.255	192.168.100.129 - 192.168.100.254	126
e	10.45.12.129/23	10.45.12.0	10.45.13.255	10.45.12.1 - 10.45.13.254	510
f	200.39.50.112/29	200.39.50.112	200.39.50.119	200.39.50.113 - 200.39.50.118	6
g	10.10.100.100/28	10.10.100.96	10.10.100.111	10.10.100.97 - 10.10.100.110	14
h	63.27.118.50/30	63.27.118.48	63.27.118.51	63.27.118.49 - 63.27.118.50	2