22.03.22

TD1: Rodeux

	IP	Classe	IP réseau	masque réseau	nombre d'hôtes par sous-réseau
Q1	192.168.5.4	B	192.168.0.0	255.0.0.0	65
	1.1.1.1	A	1.0.0.0	255.0.0.0	1
	192.168.5.0	B	192.168.5.0	255.255.255.0	254
	126.29.152.9	A	126.0.0.0	255.255.255.0	254
	200.200.153.0	C	200.200.153.0	255.255.255.0	254

Nous avons un seul réseau

Nous avons un seul sous-réseau

Q2 • Adresse : 192.168.0.100 → 11.000.100.0.0 → 255.255.255.0

• Masque : 255.255.255.192 → 255.255.255.192

192.168.0.0 → 255.255.255.192

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q3 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q4 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q5 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q6 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q7 • Adresse : 192.168.0.100 → 11.000.100.0.0 → 255.255.255.0

• Masque : 255.255.255.192 → 255.255.255.192

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q8 • Adresse : 192.168.0.100 → 11.000.100.0.0 → 255.255.255.0

• Masque : 255.255.255.192 → 255.255.255.192

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q9 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q10 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q11 • Adresse : 192.168.0.100 → 11.000.100.0.0 → 255.255.255.0

• Masque : 255.255.255.192 → 255.255.255.192

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q12 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q13 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q14 • Adresse : 192.168.0.100 → 11.000.100.0.0 → 255.255.255.0

• Masque : 255.255.255.192 → 255.255.255.192

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q15 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q16 • Adresse : 192.168.0.100 → 11.000.100.0.0 → 255.255.255.0

• Masque : 255.255.255.192 → 255.255.255.192

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q17 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q18 • Adresse : 192.168.0.100 → 11.000.100.0.0 → 255.255.255.0

• Masque : 255.255.255.192 → 255.255.255.192

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

TD2 : Rodeux

Q1 • 172.16.0.0 → 255.255.255.0 / 24 → 11.111111.11.111111.11.111111.11.000000

255.255.255.0

• Broadcast :

172.16.0.0 → 11.111111.11.111111.11.111111.11.000000

255.255.255.0 → 11.111111.11.111111.11.111111.11.000000

172.16.0.0 → 11.111111.11.111111.11.111111.11.000000

255.255.255.0 → 11.111111.11.111111.11.111111.11.000000

172.16.0.0 → 11.111111.11.111111.11.111111.11.000000

255.255.255.0 → 11.111111.11.111111.11.111111.11.000000

172.16.0.0 → 11.111111.11.111111.11.111111.11.000000

255.255.255.0 → 11.111111.11.111111.11.111111.11.000000

Q2 • 192.168.0.0 → 255.255.255.192

• Adresse réseau :

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

• Broadcast :

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q3 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q4 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q5 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q6 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q7 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q8 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q9 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q10 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q11 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q12 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q13 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q14 • Adresse : 192.168.0.100 → 11.000.100.0.0 → 255.255.255.0

• Masque : 255.255.255.192 → 255.255.255.192

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q15 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q16 • Adresse : 192.168.0.100 → 11.000.100.0.0 → 255.255.255.0

• Masque : 255.255.255.192 → 255.255.255.192

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q17 • 172.16.0.0 → 255.255.255.0 / 24

255.255.255.0

11.111111.11.111111.11.111111.11.000000

255.255.255.0

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192

Q18 • Adresse : 192.168.0.100 → 11.000.100.0.0 → 255.255.255.0

• Masque : 255.255.255.192 → 255.255.255.192

192.168.0.0 → 11.000.100.0.0 → 255.255.255.192

192.168.0.64 → 11.000.100.0.0 → 255.255.255.192

192.168.0.128 → 11.000.100.0.0 → 255.255.255.192

192.168.0.192 → 11.000.100.0.0 → 255.255.255.192