

Instituto Emiliani Somascos

Profesor: Oscar Mendez

Curso: Redes de la información

Grado: 6to computación

Sección: "B"

Subneteo Clase B

Jhonatan Iván
Santizo Martinez

Clave: 24

10/04/2024

GA2

1. 130.12.100.20 (10 subredes y 25 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10000010.00001100.01100100.00010100

Máscara de red: 11111111.11111111.00000000.00000000

00000000.16

3. $2^4 = 16$ redes

Máscara de red:

11111111.11111111.11110000.00000000 /20

Máscara de red:

255.255.240.0

4. $256 - 240 = 16$

5.

No. de Subred	Dirección de red	1 IP Valida	Ultima IP Valida	Dirección del Broadcast
1	130.12.100.20	130.12.100.21	130.12.100.34	130.12.100.35
2	131.12.100.36	131.12.100.37	130.12.100.50	130.12.100.51
3	131.12.100.52	131.12.100.53	130.12.100.66	130.12.100.67
4	131.12.100.68	131.12.100.69	130.12.100.82	130.12.100.83
5	131.12.100.84	131.12.100.85	130.12.100.98	130.12.100.99
6	131.12.100.100	131.12.100.101	130.12.100.114	130.12.100.115
7	131.12.100.116	131.12.100.117	130.12.100.130	130.12.100.131
8	131.12.100.132	131.12.100.133	130.12.100.146	130.12.100.147

6. $2^{12} - 2 = 4,094$ hosts disponibles por subred

2. 129.100.12.17 (25 subredes y 20 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10 00 00 01 01 10 01 00 00 00 11 00 00 00 10 11

Máscara de red:

11 11 11 11 11 11 11 00 00 00 00 00 00 00 00 00 /16

3. $2^5 = 32$ redes

Máscara de red:

11 11 11 11 11 11 11 11 00 00 00 00 00 00 /27

Máscara de red: 255.255.248.0

4. $256 - 248 = 8$

5.

No de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	129.100.12.11	129.100.12.12	129.100.12.17	129.100.12.18
2	129.100.12.19	129.100.12.20	129.100.12.25	129.100.12.26
3	129.100.12.27	129.100.12.28	129.100.12.34	129.100.12.35
4	129.100.12.36	129.100.12.37	129.100.12.42	129.100.12.43
5	129.100.12.44	129.100.12.45	129.100.12.50	129.100.12.51
6	129.100.12.52	129.100.12.53	129.100.12.58	129.100.12.59
7	129.100.12.60	129.100.12.61	129.100.12.66	129.100.12.67
8	129.100.12.68	129.100.12.69	129.100.12.74	129.100.12.75

6. $2^{11} - 2 = 2,046$ hosts disponibles por subred

3. 140.0.0.100 (50 subredes y 15 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 1001100.0.0.01100100

Máscara de red:

1111111.1111111.0.0/16

3. $2^6 = 64$ redes

Máscara de red:

1111111.1111111.1111100.0000000/22

Máscara de red: 255.255.252.0

4. $256 - 252 = 4$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	140.0.0.100	140.0.0.101	140.0.0.102	140.0.0.103
2	140.0.0.104	140.0.0.105	140.0.0.106	140.0.0.107
3	140.0.0.108	140.0.0.109	140.0.0.110	140.0.0.111
4	140.0.0.112	140.0.0.113	140.0.0.114	140.0.0.115
5	140.0.0.116	140.0.0.117	140.0.0.118	140.0.0.119
6	140.0.0.120	140.0.0.121	140.0.0.122	140.0.0.123
7	140.0.0.124	140.0.0.125	140.0.0.126	140.0.0.127
8	140.0.0.128	140.0.0.129	140.0.0.130	140.0.0.131

6. $2^{10} - 2 = 1,022$ hosts disponibles por subred

9. 132.18.244.0 (58 subredes y 100 hosts)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10000100

Máscara de red:

11111111.11111111.0.0/16

3. $2^6 = 64$ redes

Máscara de red:

11111111.11111111.11111100.00000000/22

255.255.252.0

4. $256 - 252 = 4$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	132.18.244.0	132.18.244.1	132.18.244.2	132.18.244.3
2	132.18.244.4	132.18.244.5	132.18.244.6	132.18.244.7
3	132.18.244.8	132.18.244.9	132.18.244.10	132.18.244.11
4	132.18.244.12	132.18.244.13	132.18.244.14	132.18.244.15
5	132.18.244.16	132.18.244.17	132.18.244.18	132.18.244.19
6	132.18.244.20	132.18.244.21	132.18.244.22	132.18.244.23
7	132.18.244.24	132.18.244.25	132.18.244.26	132.18.244.27
8	132.18.244.28	132.18.244.29	132.18.244.30	132.18.244.31

6. $2^{10} - 2 = 1,022$ hosts disponibles por subred

5. 139.25.25.100 (60 subredes y 15 hosts)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10001011.00011001.00011001.01100100

Máscara de red:

11111111.11111111.00000000.00000000. /16

3. $2^6 = 64$ redes

Máscara de red:

11111111.11111111.11111100.00000000. /22
255.255.252.0

4. $256 - 252 = 4$

5.

No de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	139.25.25.100	139.25.25.101	139.25.25.102	139.25.25.103
2	139.25.25.104	139.25.25.105	139.25.25.106	139.25.25.107
3	139.25.25.108	139.25.25.109	139.25.25.110	139.25.25.111
4	139.25.25.112	139.25.25.113	139.25.25.114	139.25.25.115
5	139.25.25.116	139.25.25.117	139.25.25.118	139.25.25.119
6	139.25.25.120	139.25.25.121	139.25.25.122	139.25.25.123
7	139.25.25.124	139.25.25.125	139.25.25.126	139.25.25.127
8	139.25.25.128	139.25.25.129	139.25.25.130	139.25.25.131
9	139.25.25.132	139.25.25.133	139.25.25.134	139.25.25.135
10	139.25.25.136	139.25.25.137	139.25.25.138	139.25.25.139
11	139.25.25.140	139.25.25.141	139.25.25.142	139.25.25.143
12	139.25.25.144	139.25.25.145	139.25.25.146	139.25.25.147
13	139.25.25.148	139.25.25.149	139.25.25.150	139.25.25.151
14	139.25.25.152	139.25.25.153	139.25.25.154	139.25.25.155
15	139.25.25.156	139.25.25.157	139.25.25.158	139.25.25.159
16	139.25.25.160	139.25.25.161	139.25.25.162	139.25.25.163
17	139.25.25.164	139.25.25.165	139.25.25.166	139.25.25.167
18	139.25.25.168	139.25.25.169	139.25.25.170	139.25.25.171
19	139.25.25.172	139.25.25.173	139.25.25.174	139.25.25.175

20	139.25.25.176	139.25.25.177	139.25.25.178	139.25.25.179
21	139.25.25.180	139.25.25.181	139.25.25.182	139.25.25.183
22	139.25.25.184	139.25.25.185	139.25.25.186	139.25.25.187
23	139.25.25.188	139.25.25.189	139.25.25.190	139.25.25.191
24	139.25.25.192	139.25.25.193	139.25.25.194	139.25.25.195
25	139.25.25.196	139.25.25.197	139.25.25.196	139.25.25.197
26	139.25.25.198	139.25.25.199	139.25.25.200	139.25.25.201
27	139.25.25.202	139.25.25.203	139.25.25.204	139.25.25.205
28	139.25.25.206	139.25.25.207	139.25.25.208	139.25.25.209
29	139.25.25.210	139.25.25.211	139.25.25.212	139.25.25.213
30	139.25.25.214	139.25.25.215	139.25.25.216	139.25.25.217
31	139.25.25.218	139.25.25.219	139.25.25.220	139.25.25.221
32	139.25.25.222	139.25.25.223	139.25.25.224	139.25.25.225
33	139.25.25.226	139.25.25.227	139.25.25.228	139.25.25.229
34	139.25.25.230	139.25.25.231	139.25.25.232	139.25.25.233
35	139.25.25.234	139.25.25.235	139.25.25.236	139.25.25.237
36	139.25.25.238	139.25.25.239	139.25.25.240	139.25.25.241
37	139.25.25.242	139.25.25.243	139.25.25.244	139.25.25.245
38	139.25.25.246	139.25.25.247	139.25.25.248	139.25.25.249
39	139.25.25.250	139.25.25.251	139.25.25.252	139.25.25.253
40	139.25.25.254	139.25.25.255	139.25.26.0	139.25.26.1
41	139.25.26.2	139.25.26.3	139.25.26.4	139.25.26.5
42	139.25.26.6	139.25.26.7	139.25.26.8	139.25.26.9
43	139.25.26.10	139.25.26.11	139.25.26.12	139.25.26.13
44	139.25.26.14	139.25.26.15	139.25.26.16	139.25.26.17
45	139.25.26.18	139.25.26.19	139.25.26.20	139.25.26.21
46	139.25.26.22	139.25.26.23	139.25.26.24	139.25.26.25
47	139.25.26.26	139.25.26.27	139.25.26.28	139.25.26.29
49	139.25.26.30	139.25.26.31	139.25.26.32	139.25.26.33
50	139.25.26.34	139.25.26.35	139.25.26.36	139.25.26.37
51	139.25.26.38	139.25.26.39	139.25.26.40	139.25.26.41
52	139.25.26.42	139.25.26.43	139.25.26.44	139.25.26.45
53	139.25.26.46	139.25.26.47	139.25.26.48	139.25.26.49
54	139.25.26.50	139.25.26.51	139.25.26.52	139.25.26.53
55	139.25.26.54	139.25.26.55	139.25.26.56	139.25.26.57
56	139.25.26.58	139.25.26.59	139.25.26.60	139.25.26.61
57	139.25.26.62	139.25.26.63	139.25.26.64	139.25.26.65
58	139.25.26.66	139.25.26.67	139.25.26.68	139.25.26.69
59	139.25.26.70	139.25.26.71	139.25.26.72	139.25.26.73
60	139.25.26.74	139.25.26.75	139.25.26.76	139.25.26.77
61	139.25.26.78	139.25.26.79	139.25.26.80	139.25.26.81
62	139.25.26.82	139.25.26.83	139.25.26.84	139.25.26.85
63	139.25.26.86	139.25.26.87	139.25.26.88	139.25.26.89
64	139.25.26.90	139.25.26.91	139.25.26.92	139.25.26.93

$6.2^{10-2} = 1,022$ hosts disponibles por subred

Norma

6. 172.16.52.63 (30 subredes y 20 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10101100.00010000.00110100.00111111

Máscara de red:

11111111.11111111.00000000.00060000 / 16

3. $2^5 = 32$ redes

Máscara de red:

11111111.11111111.11110000.00000000 / 21

255.255.248.0

4. $256 - 248 = 8$

5.

No de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	172.16.52.63	172.16.52.64	172.16.52.64	172.16.52.64
2	172.16.52.71	172.16.52.72	172.16.52.77	172.16.52.78
3	172.16.52.79	172.16.52.80	172.16.52.85	172.16.52.86
4	172.16.52.87	172.16.52.88	172.16.52.93	172.16.52.94
5	172.16.52.95	172.16.52.96	172.16.52.101	172.16.52.102
6	172.16.52.103	172.16.52.104	172.16.52.109	172.16.52.110
7	172.16.52.111	172.16.52.112	172.16.52.117	172.16.52.118
8	172.16.52.119	172.16.52.120	172.16.52.125	172.16.52.126
9	172.16.52.127	172.16.52.128	172.16.52.133	172.16.52.134
10	172.16.52.135	172.16.52.136	172.16.52.141	172.16.52.142
11	172.16.52.143	172.16.52.144	172.16.52.149	172.16.52.150
12	172.16.52.151	172.16.52.152	172.16.52.157	172.16.52.158
13	172.16.52.159	172.16.52.160	172.16.52.165	172.16.52.166
14	172.16.52.167	172.16.52.168	172.16.52.173	172.16.52.174
15	172.16.52.175	172.16.52.176	172.16.52.181	172.16.52.182
16	172.16.52.183	172.16.52.184	172.16.52.189	172.16.52.190
17	172.16.52.191	172.16.52.192	172.16.52.197	172.16.52.198
18	172.16.52.199	172.16.52.200	172.16.52.205	172.16.52.206
19	172.16.52.207	172.16.52.208	172.16.52.213	172.16.52.214

20	172.16.52.215	172.16.52.216	172.16.52.221	172.16.52.222
21	172.16.52.223	172.16.52.224	172.16.52.229	172.16.52.230
22	172.16.52.231	172.16.52.232	172.16.52.237	172.16.52.238
23	172.16.52.239	172.16.52.240	172.16.52.245	172.16.52.246
24	172.16.52.247	172.16.52.248	172.16.52.253	172.16.52.254
25	172.16.52.255	172.16.53.0	172.16.53.5	172.16.53.6
26	172.16.53.7	172.16.53.8	172.16.53.13	172.16.53.14
27	172.16.53.15	172.16.53.16	172.16.53.21	172.16.53.22
28	172.16.53.23	172.16.53.24	172.16.53.29	172.16.53.30
29	172.16.53.31	172.16.53.32	172.16.53.37	172.16.53.38
30	172.16.53.39	172.16.53.40	172.16.53.45	172.16.53.46
31	172.16.53.47	172.16.53.48	172.16.53.53	172.16.53.54
32	172.16.53.55	172.16.53.56	172.16.53.61	172.16.53.62

$62^{11} - 2 = 2,046$ hosts disponibles per subred

7. 170.100.25.1 (25 subredes y 25 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10101010.01100100.0001100100000001

Máscara de red:

1111111.1111111.00000000.00000000./16

3. $2^5 = 32$ redes

Máscara de red:

1111111.1111111.1111000.00000000./21

255.255.248.0

4. $256 - 248 = 8$

5.

No. De Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	170.100.25.1	170.100.25.2	170.100.25.7	170.100.25.8
2	170.100.25.9	170.100.25.10	170.100.25.15	170.100.25.16
3	170.100.25.17	170.100.25.18	170.100.25.23	170.100.25.24
4	170.100.25.25	170.100.25.26	170.100.25.31	170.100.25.32
5	170.100.25.33	170.100.25.34	170.100.25.39	170.100.25.40
6	170.100.25.41	170.100.25.42	170.100.25.47	170.100.25.48
7	170.100.25.49	170.100.25.50	170.100.25.55	170.100.25.56
8	170.100.25.57	170.100.25.58	170.100.25.63	170.100.25.64

6. $2^{11} - 2 = 2,046$ hosts disponibles por subred

8. 150.214.141.0 (50 subredes y 10 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 1001011011010110.10001101.00000000

Máscara de red:

11111111.11111111.00000000.00000000 /16

3. $2^6 = 64$ redes

Máscara de red:

11111111.11111111.11111100.00000000 /22

255.255.252.0

4. $256 - 252 = 4$

5.

No de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	150.214.141.0	150.214.141.1	150.214.141.2	150.214.141.3
2	150.214.141.4	150.214.141.5	150.214.141.6	150.214.141.7
3	150.214.141.8	150.214.141.9	150.214.141.10	150.214.141.11
4	150.214.141.12	150.214.141.13	150.214.141.18	150.214.141.19
5	150.214.141.20	150.214.141.21	150.214.141.22	150.214.141.23
6	150.214.141.24	150.214.141.25	150.214.141.26	150.214.141.27
7	150.214.141.28	150.214.141.29	150.214.141.30	150.214.141.31
8	150.214.141.32	150.214.141.33	150.214.141.34	150.214.141.35

6. $2^{10} - 2 = 1,022$ hosts disponibles por subred

9. 133.32.100.20 (10 subredes y 25 host)

1. Clase B
Máscara por defecto: 255.255.0.0

2. Red: 1000101.00100000.01100100.00010100
Máscara de red:
1111111.1111111.00000000.00000000. /16

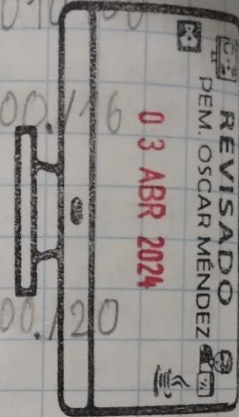
3. $2^4 = 16$ redes
Máscara de red:
1111111.1111111.11110000.00000000. /20
255.255.240.0

4. $256 - 240 = 16$

5.

No. de subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	133.32.100.20	133.32.100.21	133.32.100.34	133.32.100.35
2	133.32.100.36	133.32.100.37	133.32.100.50	133.32.100.51
3	133.32.100.52	133.32.100.53	133.32.100.66	133.32.100.67
4	133.32.100.68	133.32.100.69	133.32.100.82	133.32.100.83
5	133.32.100.84	133.32.100.85	133.32.100.98	133.32.100.99
6	133.32.100.100	133.32.100.101	133.32.100.114	133.32.100.115
7	133.32.100.116	133.32.100.117	133.32.100.130	133.32.100.131
8	133.32.100.132	133.32.100.133	133.32.100.134	133.32.100.135

6. $2^4 - 2 = 4,094$ hosts disponibles por subred



10.139.0.12.11 (20 subredes y 20 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10.001011.00000000.00001100.00001011

Máscara de red:

11111111.11111111.00000000.00000000. /16

3. $2^5 = 32$ redes

Máscara de red:

11111111.11111111.11110000.00000000. /21

255.255.248.0

4. $256 - 248 = 8$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	139.0.12.11	139.0.12.12	139.0.12.17	139.0.12.18
2	139.0.12.19	139.0.12.20	139.0.12.25	139.0.12.26
3	139.0.12.27	139.0.12.28	139.0.12.33	139.0.12.34
4	139.0.12.35	139.0.12.36	139.0.12.41	139.0.12.42
5	139.0.12.43	139.0.12.44	139.0.12.49	139.0.12.50
6	139.0.12.51	139.0.12.52	139.0.12.57	139.0.12.58
7	139.0.12.59	139.0.12.60	139.0.12.65	139.0.12.66
8	139.0.12.67	139.0.12.68	139.0.12.73	139.0.12.74

6. $2^{11} - 2 = 2,046$ hosts disponibles por subred

11. 150.50.0.700 (30 subredes y 10 hosts)

1. Clase B

Máscara por defecto: 255.255.255.0

2. Red: 10010110.00110010.00060000.01100100

Máscara de red:

11111111.11111111.00000000.00000000 /16

3. $2^5 = 32$ redes

Máscara de red:

11111111.11111111.11110000.00000000 /21

255.255.248.0

4. $256 - 248 = 8$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	150.50.0.100	150.50.0.101	150.50.0.106	150.50.0.107
2	150.50.0.108	150.50.0.109	150.50.0.114	150.50.0.115
3	150.50.0.116	150.50.0.117	150.50.0.122	150.50.0.123
4	150.50.0.124	150.50.0.125	150.50.0.130	150.50.0.131
5	150.50.0.132	150.50.0.133	150.50.0.138	150.50.0.139
6	150.50.0.140	150.50.0.141	150.50.0.146	150.50.0.147
7	150.50.0.148	150.50.0.149	150.50.0.154	150.50.0.155
8	150.50.0.156	150.50.0.157	150.50.0.162	150.50.0.163
9	150.50.0.164	150.50.0.165	150.50.0.170	150.50.0.171
10	150.50.0.172	150.50.0.173	150.50.0.178	150.50.0.179
11	150.50.0.180	150.50.0.181	150.50.0.186	150.50.0.187
12	150.50.0.188	150.50.0.189	150.50.0.194	150.50.0.195
13	150.50.0.196	150.50.0.197	150.50.0.202	150.50.0.203
14	150.50.0.204	150.50.0.205	150.50.0.210	150.50.0.211
15	150.50.0.212	150.50.0.213	150.50.0.218	150.50.0.219
16	150.50.0.220	150.50.0.221	150.50.0.226	150.50.0.227
17	150.50.0.228	150.50.0.229	150.50.0.234	150.50.0.235
18	150.50.0.236	150.50.0.237	150.50.0.242	150.50.0.243
19	150.50.0.244	150.50.0.245	150.50.0.250	150.50.0.251

20	150.50.0.252	150.50.0.253	150.50.1.2	150.50.1.3
21	150.50.1.4	150.50.1.5	150.50.1.10	150.50.1.11
22	150.50.1.12	150.50.1.13	150.50.1.18	150.50.1.19
23	150.50.1.20	150.50.1.21	150.50.1.26	150.50.1.27
24	150.50.1.28	150.50.1.29	150.50.1.34	150.50.1.35
25	150.50.1.36	150.50.1.37	150.50.1.42	150.50.1.43
26	150.50.1.44	150.50.1.45	150.50.1.50	150.50.1.51
27	150.50.1.52	150.50.1.53	150.50.1.58	150.50.1.59
28	150.50.1.60	150.50.1.61	150.50.1.66	150.50.1.67
29	150.50.1.68	150.50.1.69	150.50.1.74	150.50.1.75
30	150.50.1.76	150.50.1.77	150.50.1.82	150.50.1.83
31	150.50.1.84	150.50.1.85	150.50.1.90	150.50.1.91
32	150.50.1.92	150.50.1.93	150.50.1.98	150.50.1.99

$6.2^{11} - 2 = 2,046$ hosts disponibles por subred

12. 152.28.244.0 (48 subredes y 100 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10011000.00011100.11110100.00000000

Máscara de red:

11111111.11111111.00000000.00000000, /16

3. $2^6 = 64$: redes

Máscara de red:

11111111.11111111.11111100.00000000, /22

255.255.252.0

4. $256 - 252 = 4$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	152.28.244.0	152.28.244.1	152.28.244.2	152.28.244.3
2	152.28.244.4	152.28.244.5	152.28.244.6	152.28.244.7
3	152.28.244.8	152.28.244.9	152.28.244.10	152.28.244.11
4	152.28.244.12	152.28.244.13	152.28.244.14	152.28.244.15
5	152.28.244.16	152.28.244.17	152.28.244.18	152.28.244.19
6	152.28.244.20	152.28.244.21	152.28.244.22	152.28.244.23
7	152.28.244.24	152.28.244.25	152.28.244.26	152.28.244.27
8	152.28.244.28	152.28.244.29	152.28.244.30	152.28.244.31
9	152.28.244.32	152.28.244.33	152.28.244.34	152.28.244.35
10	152.28.244.36	152.28.244.37	152.28.244.38	152.28.244.39
11	152.28.244.40	152.28.244.41	152.28.244.42	152.28.244.43
12	152.28.244.44	152.28.244.45	152.28.244.46	152.28.244.47
13	152.28.244.48	152.28.244.49	152.28.244.50	152.28.244.51
14	152.28.244.52	152.28.244.53	152.28.244.54	152.28.244.55
15	152.28.244.56	152.28.244.57	152.28.244.58	152.28.244.59
16	152.28.244.60	152.28.244.61	152.28.244.62	152.28.244.63
17	152.28.244.64	152.28.244.65	152.28.244.66	152.28.244.67
18	152.28.244.68	152.28.244.69	152.28.244.70	152.28.244.71
19	152.28.244.72	152.28.244.73	152.28.244.74	152.28.244.75
20	152.28.244.76	152.28.244.77	152.28.244.78	152.28.244.79

21	152.28.244.80	152.28.244.81	152.28.244.82	152.28.244.83
22	152.28.244.84	152.28.244.85	152.28.244.86	152.28.244.87
23	152.28.244.88	152.28.244.89	152.28.244.90	152.28.244.91
24	152.28.244.92	152.28.244.93	152.28.244.94	152.28.244.95
25	152.28.244.96	152.28.244.97	152.28.244.98	152.28.244.99
26	152.28.244.100	152.28.244.101	152.28.244.102	152.28.244.103
27	152.28.244.104	152.28.244.105	152.28.244.106	152.28.244.107
28	152.28.244.108	152.28.244.109	152.28.244.110	152.28.244.111
29	152.28.244.112	152.28.244.113	152.28.244.114	152.28.244.115
30	152.28.244.116	152.28.244.117	152.28.244.118	152.28.244.119
31	152.28.244.120	152.28.244.121	152.28.244.122	152.28.244.123
32	152.28.244.124	152.28.244.125	152.28.244.126	152.28.244.127
33	152.28.244.128	152.28.244.129	152.28.244.130	152.28.244.131
34	152.28.244.132	152.28.244.133	152.28.244.134	152.28.244.135
35	152.28.244.136	152.28.244.137	152.28.244.138	152.28.244.139
36	152.28.244.140	152.28.244.141	152.28.244.142	152.28.244.143
37	152.28.244.144	152.28.244.145	152.28.244.146	152.28.244.147
38	152.28.244.148	152.28.244.149	152.28.244.150	152.28.244.151
39	152.28.244.152	152.28.244.153	152.28.244.154	152.28.244.155
40	152.28.244.156	152.28.244.157	152.28.244.158	152.28.244.159
41	152.28.244.160	152.28.244.161	152.28.244.162	152.28.244.163
42	152.28.244.164	152.28.244.165	152.28.244.166	152.28.244.167
43	152.28.244.168	152.28.244.169	152.28.244.170	152.28.244.171
44	152.28.244.172	152.28.244.173	152.28.244.174	152.28.244.175
45	152.28.244.176	152.28.244.177	152.28.244.178	152.28.244.179
46	152.28.244.180	152.28.244.181	152.28.244.182	152.28.244.183
47	152.28.244.184	152.28.244.185	152.28.244.186	152.28.244.187
48	152.28.244.188	152.28.244.189	152.28.244.190	152.28.244.191
49	152.28.244.192	152.28.244.193	152.28.244.194	152.28.244.195
50	152.28.244.196	152.28.244.197	152.28.244.198	152.28.244.199
51	152.28.244.200	152.28.244.201	152.28.244.202	152.28.244.203
52	152.28.244.204	152.28.244.205	152.28.244.206	152.28.244.207
53	152.28.244.208	152.28.244.209	152.28.244.210	152.28.244.211
54	152.28.244.212	152.28.244.213	152.28.244.214	152.28.244.215
55	152.28.244.216	152.28.244.217	152.28.244.218	152.28.244.219
56	152.28.244.220	152.28.244.221	152.28.244.222	152.28.244.223
57	152.28.244.224	152.28.244.225	152.28.244.226	152.28.244.227
58	152.28.244.228	152.28.244.229	152.28.244.230	152.28.244.231
59	152.28.244.232	152.28.244.233	152.28.244.234	152.28.244.235
60	152.28.244.236	152.28.244.237	152.28.244.238	152.28.244.239
61	152.28.244.240	152.28.244.241	152.28.244.242	152.28.244.243
62	152.28.244.244	152.28.244.245	152.28.244.246	152.28.244.247
63	152.28.244.248	152.28.244.249	152.28.244.250	152.28.244.251
64	152.28.244.252	152.28.244.253	152.28.244.254	152.28.244.255

$6.2^{10} - 2 = 1,022$ hosts disponibles por subred

Norma

13. 179.75.25.100 (20 subredes y 15 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10110011.01001011.00011001.01100100

Máscara de red:

11111111.11111111.00000000.00000000./16

3. $2^N = 32$ redes

Máscara de red:

11111111.11111111.11110000.00000000./21

255.255.248.0

4. $256 - 248 = 8$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	179.75.25.100	179.75.25.101	179.75.25.106	179.75.25.107
2	179.75.25.108	179.75.25.109	179.75.25.114	179.75.25.115
3	179.75.25.116	179.75.25.117	179.75.25.122	179.75.25.123
4	179.75.25.124	179.75.25.125	179.75.25.130	179.75.25.131
5	179.75.25.132	179.75.25.133	179.75.25.138	179.75.25.139
6	179.75.25.140	179.75.25.141	179.75.25.146	179.75.25.147
7	179.75.25.148	179.75.25.149	179.75.25.154	179.75.25.155
8	179.75.25.156	179.75.25.157	179.75.25.162	179.75.25.163

1. 182.26.52.63 (10 subredes y 20 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10110110.00011010.00110100.00111111

Máscara de red:

11111111.11111111.00000000.00000000, /16

3. $2^4 = 16$ redes

Máscara de red:

11111111.11111111.11110000.00000000, /20

255.255.240.0

4. $256 - 240 = 16$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	182.26.52.63	182.26.52.64	182.26.52.77	182.26.52.78
2	182.26.52.79	182.26.52.80	182.26.52.93	182.26.52.94
3	182.26.52.95	182.26.52.96	182.26.52.109	182.26.52.110
4	182.26.52.111	182.26.52.112	182.26.52.125	182.26.52.126
5	182.26.52.127	182.26.52.128	182.26.52.141	182.26.52.142
6	182.26.52.143	182.26.52.144	182.26.52.157	182.26.52.158
7	182.26.52.159	182.26.52.160	182.26.52.173	182.26.52.174
8	182.26.52.175	182.26.52.176	182.26.52.189	182.26.52.190

6. $2^{12} - 2 = 4,094$ hosts disponibles por subred

15. 135.10.25.1 (35 subredes y 25 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10000111.00001010.00011001.00000001

Máscara de red:

11111111.11111111.00000000.00000000. /16

3. $2^6 = 64$ redes

Máscara de red:

11111111.11111111.11111100.00000000. /22

255.255.252.0

4. $256 - 252 = 4$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	135.10.25.1	135.10.25.2	135.10.25.3	135.10.25.4
2	135.10.25.5	135.10.25.6	135.10.25.7	135.10.25.8
3	135.10.25.9	135.10.25.10	135.10.25.11	135.10.25.12
4	135.10.25.13	135.10.25.14	135.10.25.15	135.10.25.16
5	135.10.25.17	135.10.25.18	135.10.25.19	135.10.25.20
6	135.10.25.21	135.10.25.22	135.10.25.23	135.10.25.24
7	135.10.25.25	135.10.25.26	135.10.25.27	135.10.25.28
8	135.10.25.29	135.10.25.30	135.10.25.31	135.10.25.32

6. $2^{10} - 2 = 1,022$ hosts disponibles por subred

76. 160.204.141.0 (60 subredes y 10 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10100000.11001100.10001101.00000000

Máscara de red:

1111111.1111111.0000000.0000000. /16

3. $2^6 = 64$ redes

Máscara de red

1111111.1111111.1111000.0000000. /22

255.255.252.0

4. $256 - 252 = 4$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	160.204.141.0	160.204.141.1	160.204.141.2	160.204.141.3
2	160.204.141.4	160.204.141.5	160.204.141.6	160.204.141.7
3	160.204.141.8	160.204.141.9	160.204.141.10	160.204.141.11
4	160.204.141.12	160.204.141.13	160.204.141.14	160.204.141.15
5	160.204.141.16	160.204.141.17	160.204.141.18	160.204.141.19
6	160.204.141.20	160.204.141.21	160.204.141.22	160.204.141.23
7	160.204.141.24	160.204.141.25	160.204.141.26	160.204.141.27
8	160.204.141.28	160.204.141.29	160.204.141.30	160.204.141.31
9	160.204.141.32	160.204.141.33	160.204.141.34	160.204.141.35
10	160.204.141.36	160.204.141.37	160.204.141.38	160.204.141.39
11	160.204.141.40	160.204.141.41	160.204.141.42	160.204.141.43
12	160.204.141.44	160.204.141.45	160.204.141.46	160.204.141.47
13	160.204.141.48	160.204.141.49	160.204.141.50	160.204.141.51
14	160.204.141.52	160.204.141.53	160.204.141.54	160.204.141.55
15	160.204.141.56	160.204.141.57	160.204.141.58	160.204.141.59
16	160.204.141.60	160.204.141.61	160.204.141.62	160.204.141.63
17	160.204.141.64	160.204.141.65	160.204.141.66	160.204.141.67
18	160.204.141.68	160.204.141.69	160.204.141.70	160.204.141.71
19	160.204.141.72	160.204.141.73	160.204.141.74	160.204.141.75
20	160.204.141.76	160.204.141.77	160.204.141.78	160.204.141.79
21	160.204.141.80	160.204.141.81	160.204.141.82	160.204.141.83

22	160.204.141.84	160.204.141.85	160.204.141.86	160.204.141.87
23	160.204.141.88	160.204.141.89	160.204.141.90	160.204.141.91
24	160.204.141.92	160.204.141.93	160.204.141.94	160.204.141.95
25	160.204.141.96	160.204.141.97	160.204.141.98	160.204.141.99
26	160.204.141.100	160.204.141.101	160.204.141.102	160.204.141.103
27	160.204.141.104	160.204.141.105	160.204.141.106	160.204.141.107
28	160.204.141.108	160.204.141.109	160.204.141.110	160.204.141.111
29	160.204.141.112	160.204.141.113	160.204.141.114	160.204.141.115
30	160.204.141.116	160.204.141.117	160.204.141.118	160.204.141.119
31	160.204.141.120	160.204.141.121	160.204.141.122	160.204.141.123
32	160.204.141.124	160.204.141.125	160.204.141.126	160.204.141.127
33	160.204.141.128	160.204.141.129	160.204.141.130	160.204.141.131
34	160.204.141.132	160.204.141.133	160.204.141.134	160.204.141.135
35	160.204.141.136	160.204.141.137	160.204.141.138	160.204.141.139
36	160.204.141.140	160.204.141.141	160.204.141.142	160.204.141.143
37	160.204.141.144	160.204.141.145	160.204.141.146	160.204.141.147
38	160.204.141.148	160.204.141.149	160.204.141.150	160.204.141.151
39	160.204.141.152	160.204.141.153	160.204.141.154	160.204.141.155
40	160.204.141.156	160.204.141.157	160.204.141.158	160.204.141.159
41	160.204.141.160	160.204.141.161	160.204.141.162	160.204.141.163
42	160.204.141.164	160.204.141.165	160.204.141.166	160.204.141.167
43	160.204.141.168	160.204.141.169	160.204.141.170	160.204.141.171
44	160.204.141.172	160.204.141.173	160.204.141.174	160.204.141.175
45	160.204.141.176	160.204.141.177	160.204.141.178	160.204.141.179
46	160.204.141.180	160.204.141.181	160.204.141.182	160.204.141.183
47	160.204.141.184	160.204.141.185	160.204.141.186	160.204.141.187
48	160.204.141.188	160.204.141.189	160.204.141.190	160.204.141.191
49	160.204.141.192	160.204.141.193	160.204.141.194	160.204.141.195
50	160.204.141.196	160.204.141.197	160.204.141.198	160.204.141.199
51	160.204.141.200	160.204.141.201	160.204.141.202	160.204.141.203
52	160.204.141.204	160.204.141.205	160.204.141.206	160.204.141.207
53	160.204.141.208	160.204.141.209	160.204.141.210	160.204.141.211
54	160.204.141.212	160.204.141.213	160.204.141.214	160.204.141.215
55	160.204.141.216	160.204.141.217	160.204.141.218	160.204.141.219
56	160.204.141.220	160.204.141.221	160.204.141.222	160.204.141.223
57	160.204.141.224	160.204.141.225	160.204.141.226	160.204.141.227
58	160.204.141.228	160.204.141.229	160.204.141.230	160.204.141.231
59	160.204.141.232	160.204.141.233	160.204.141.234	160.204.141.235
60	160.204.141.236	160.204.141.237	160.204.141.238	160.204.141.239
61	160.204.141.240	160.204.141.241	160.204.141.242	160.204.141.243
62	160.204.141.244	160.204.141.245	160.204.141.246	160.204.141.247
63	160.204.141.248	160.204.141.249	160.204.141.250	160.204.141.251
64	160.204.141.252	160.204.141.253	160.204.141.254	160.204.141.255

$6.2^{10-2} = 1,022$ hosts disponibles por subred

7. 155.100.10.1 (30 subredes y 25 hosts)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10011011.01100100.00001010.00000001

Máscara de red:

11111111.11111111.00000000.00000000./16

3. $2^5 = 32$ redes

Máscara de red:

11111111.11111111.11111000.00000000./21

255.255.248.0

4. $256 - 248 = 8$

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	155.100.10.1	155.100.10.2	155.100.10.7	155.100.10.8
2	155.100.10.9	155.100.10.10	155.100.10.15	155.100.10.16
3	155.100.10.17	155.100.10.18	155.100.10.23	155.100.10.24
4	155.100.10.25	155.100.10.26	155.100.10.31	155.100.10.32
5	155.100.10.33	155.100.10.34	155.100.10.39	155.100.10.40
6	155.100.10.41	155.100.10.42	155.100.10.47	155.100.10.48
7	155.100.10.49	155.100.10.50	155.100.10.55	155.100.10.56
8	155.100.10.57	155.100.10.58	155.100.10.63	155.100.10.64
9	155.100.10.65	155.100.10.66	155.100.10.71	155.100.10.72
10	155.100.10.73	155.100.10.74	155.100.10.79	155.100.10.80
11	155.100.10.81	155.100.10.82	155.100.10.87	155.100.10.88
12	155.100.10.89	155.100.10.90	155.100.10.95	155.100.10.96
13	155.100.10.97	155.100.10.98	155.100.10.103	155.100.10.104
14	155.100.10.105	155.100.10.106	155.100.10.111	155.100.10.112
15	155.100.10.113	155.100.10.114	155.100.10.119	155.100.10.120
16	155.100.10.121	155.100.10.122	155.100.10.127	155.100.10.128
17	155.100.10.129	155.100.10.130	155.100.10.135	155.100.10.136
18	155.100.10.137	155.100.10.138	155.100.10.143	155.100.10.144
19	155.100.10.145	155.100.10.146	155.100.10.151	155.100.10.152
20	155.100.10.153	155.100.10.154	155.100.10.159	155.100.10.160
21	155.100.10.161	155.100.10.162	155.100.10.167	155.100.10.168

6. $2^{11} - 2 = 2,046$ hosts disponibles por subred

7. 155.100.10.1 (30 subredes y 25 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10011011.01100100.00001010.00000001

Máscara de red:

11111111.11111111.00000000.00000000. /16

3. $2^5 = 32$ redes

Máscara de red:

11111111.11111111.11111100.00000000. /21

255.255.248.0

4. $256 - 248 = 8$

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	155.100.10.1	155.100.10.2	155.100.10.7	155.100.10.8
2	155.100.10.9	155.100.10.10	155.100.10.15	155.100.10.16
3	155.100.10.17	155.100.10.18	155.100.10.23	155.100.10.24
4	155.100.10.25	155.100.10.26	155.100.10.31	155.100.10.32

Año	Enero	Febrero	Marzo	Abril	Mayo	Junio	Julio	Agosto	Septiembre	Octubre	Noviembre	Diciembre
Legadas tardes	0	0	1	0	0	0	0	0	0	0	0	0

Informe de asistencias

Enviar el comprobante que se encuentra al final del informe, impreso y firmado.

22	155.100.10.169	155.100.10.170	155.100.10.175	155.100.10.176
23	155.100.10.177	155.100.10.178	155.100.10.183	155.100.10.184
24	155.100.10.185	155.100.10.186	155.100.10.191	155.100.10.192
25	155.100.10.193	155.100.10.194	155.100.10.199	155.100.10.200
26	155.100.10.201	155.100.10.202	155.100.10.207	155.100.10.208
27	155.100.10.209	155.100.10.210	155.100.10.215	155.100.10.216
28	155.100.10.217	155.100.10.218	155.100.10.223	155.100.10.224
29	155.100.10.225	155.100.10.226	155.100.10.231	155.100.10.232
30	155.100.10.233	155.100.10.234	155.100.10.239	155.100.10.240
31	155.100.10.241	155.100.10.242	155.100.10.247	155.100.10.248
32	155.100.10.249	155.100.10.250	155.100.10.255	155.100.11.0

6. $2^{11} - 2 = 2,046$ hosts disponibles por subred

18. 165.0.10.10 (12 subredes y 10 hosts)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10100101.00000000.00001010.00001010

Máscara de red:

11111111.11111111.00000000.00000000./16

3. $2^4 = 16$ redes

Máscara de red:

11111111.11111111.11110000.00000000./20

255.255.240.0

4. $256 - 240 = 16$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	165.0.10.10	165.0.10.11	165.0.10.24	165.0.10.25
2	165.0.10.26	165.0.10.27	165.0.10.40	165.0.10.41
3	165.0.10.42	165.0.10.43	165.0.10.56	165.0.10.57
4	165.0.10.58	165.0.10.59	165.0.10.72	165.0.10.73
5	165.0.10.74	165.0.10.75	165.0.10.88	165.0.10.89
6	165.0.10.90	165.0.10.91	165.0.10.104	165.0.10.105
7	165.0.10.106	165.0.10.107	165.0.10.120	165.0.10.121
8	165.0.10.122	165.0.10.123	165.0.10.136	165.0.10.137

6. $2^{12} - 2 = 4,094$ hosts disponibles por subred

19. 135.35.25.10 (15 subredes y 15 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10000111.00100011.00011001.00001010

Máscara de red:

11111111.11111111.00000000.00000000./16

3. $2^4 = 16$ redes

Máscara de red:

11111111.11111111.11110000.00000000./20

255.255.240.0

4. $256 - 240 = 16$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	135.35.25.10	135.35.25.11	135.35.25.24	135.35.25.25
2	135.35.25.26	135.35.25.27	135.35.25.40	135.35.25.41
3	135.35.25.42	135.35.25.43	135.35.25.56	135.35.25.57
4	135.35.25.58	135.35.25.59	135.35.25.72	135.35.25.73
5	135.35.25.74	135.35.25.75	135.35.25.88	135.35.25.89
6	135.35.25.90	135.35.25.91	135.35.25.104	135.35.25.105
7	135.35.25.106	135.35.25.107	135.35.25.120	135.35.25.121
8	135.35.25.122	135.35.25.123	135.35.25.136	135.35.25.137

6. $2^{11} - 2 = 2,046$ hosts disponibles por subred

Norma

20. 178.100.0.100 (20 subredes y 10 hosts)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10110010.01100100.00000000.01100100

Máscara de red:

1111111.1111111.00000000.00000000./16

3. $2^5 = 32$ redes

Máscara de red:

1111111.1111111.11111000.00000000./21
255.255.248.0

4. $256 - 248 = 8$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	178.100.0.100	178.100.0.101	178.100.0.106	178.100.0.107
2	178.100.0.108	178.100.0.109	178.100.0.114	178.100.0.115
3	178.100.0.116	178.100.0.117	178.100.0.122	178.100.0.123
4	178.100.0.124	178.100.0.125	178.100.0.130	178.100.0.131
5	178.100.0.132	178.100.0.133	178.100.0.138	178.100.0.139
6	178.100.0.140	178.100.0.141	178.100.0.146	178.100.0.147
7	178.100.0.148	178.100.0.149	178.100.0.154	178.100.0.155
8	178.100.0.156	178.100.0.157	178.100.0.162	178.100.0.163

6. $2^{11} - 2 = 2,046$ hosts disponibles por subred

2. 169.10.10.10 (100 subredes y 15 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10101001.00001010.00001010.00001010

Máscara de red:

11111111.11111111.00000000.00000000./16

3. $2^7 = 128$ redes

Máscara de red:

11111111.11111111.11111110.00000000./23

255.255.254.0

4. $256 - 254 = 2$

5.

No. Subred	Dirección de red	Primera Ip	Ultima Ip	Broadcast
1	169.10.10.10	169.10.10.11	169.10.10.10	169.10.10.11
2	169.10.10.12	169.10.10.13	169.10.10.12	169.10.10.13
3	169.10.10.14	169.10.10.15	169.10.10.14	169.10.10.15
4	169.10.10.16	169.10.10.17	169.10.10.16	169.10.10.17
5	169.10.10.18	169.10.10.19	169.10.10.18	169.10.10.19
6	169.10.10.20	169.10.10.21	169.10.10.20	169.10.10.21
7	169.10.10.22	169.10.10.23	169.10.10.22	169.10.10.23
8	169.10.10.24	169.10.10.25	169.10.10.24	169.10.10.25

6. $2^7 - 2 = 126$ hosts disponibles por subred

22. 174.92.70.16 (15 subredes y 125 host)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10010000100100000000101000010000

Máscara de red:

11111111.11111111.00000000.00000000 /16

3. $2^4 = 16$ redes

Máscara de red:

11111111.11111111.11110000.00000000 /20

255.255.240.0

4. $256 - 240 = 16$

5.

No de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	145.32.10.16	145.32.10.17	145.32.10.30	145.32.10.31
2	145.32.10.32	145.32.10.33	145.32.10.46	145.32.10.47
3	145.32.10.48	145.32.10.49	145.32.10.62	145.32.10.63
4	145.32.10.64	145.32.10.65	145.32.10.78	145.32.10.79
5	145.32.10.80	145.32.10.81	145.32.10.94	145.32.10.95
6	145.32.10.96	145.32.10.97	145.32.10.110	145.32.10.111
7	145.32.10.112	145.32.10.113	145.32.10.126	145.32.10.127
8	145.32.10.128	145.32.10.129	145.32.10.142	145.32.10.143
9	145.32.10.144	145.32.10.145	145.32.10.158	145.32.10.159
10	145.32.10.160	145.32.10.161	145.32.10.174	145.32.10.175
11	145.32.10.176	145.32.10.177	145.32.10.190	145.32.10.191
12	145.32.10.192	145.32.10.193	145.32.10.206	145.32.10.207
13	145.32.10.208	145.32.10.209	145.32.10.222	145.32.10.223
14	145.32.10.224	145.32.10.225	145.32.10.238	145.32.10.239
15	145.32.10.240	145.32.10.241	145.32.10.254	145.32.10.255
16	145.32.11.0	145.32.11.1	145.32.11.14	145.32.11.15

$2^{14} - 2 = 4,094$ hosts disponibles por subred

23. 147.10.12.1 (32 subredes y 100 hosts)

1. Clase B
Máscara por defecto: 255.255.0.0

2. Red: 10010011.00001010.00001100.00000001
Máscara de red:
11111111.11111111.00000000.00000000. / 16

3. $2^5 = 32$ redes
Máscara de red:
11111111.11111111.11110000.00000000. / 21
255.255.248.0

4. $256 - 248 = 8$

5.

Id de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	147.10.12.1	147.10.12.2	147.10.12.7	147.10.12.8
2	147.10.12.9	147.10.12.10	147.10.12.15	147.10.12.16
3	147.10.12.17	147.10.12.18	147.10.12.23	147.10.12.24
4	147.10.12.25	147.10.12.26	147.10.12.31	147.10.12.32
5	147.10.12.33	147.10.12.34	147.10.12.39	147.10.12.40
6	147.10.12.41	147.10.12.42	147.10.12.47	147.10.12.48
7	147.10.12.49	147.10.12.50	147.10.12.55	147.10.12.56
8	147.10.12.57	147.10.12.58	147.10.12.63	147.10.12.64

6. $2^{11} - 2 = 2,046$ hosts disponibles por subred

24. 178.0.0.10 (25 subredes y 1/4 hosts)

1. Clase B

Máscara por defecto: 255.255.0.0

2. Red: 10110010.00000000.00000000.1010

Máscara de red:

11111111.11111111.00000000.00000000 /16

3. $2^5 = 32$ redes

Máscara de red:

11111111.11111111.11110000.00000000 /21

255.255.248.0

4. $256 - 248 = 8$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	178.0.0.10	178.0.0.11	178.0.0.16	178.0.0.17
2	178.0.0.18	178.0.0.19	178.0.0.24	178.0.0.25
3	178.0.0.26	178.0.0.27	178.0.0.32	178.0.0.33
4	178.0.0.34	178.0.0.35	178.0.0.40	178.0.0.41
5	178.0.0.42	178.0.0.43	178.0.0.48	178.0.0.49
6	178.0.0.50	178.0.0.51	178.0.0.56	178.0.0.57
7	178.0.0.58	178.0.0.59	178.0.0.64	178.0.0.65
8	178.0.0.66	178.0.0.67	178.0.0.72	178.0.0.73

6. $2^{11} - 2 = 2,046$ hosts disponibles por subred

25. 135.10.1.1 (10 subredes y 5 host)

1. Clase B
Máscara por defecto: 255.255.0.0

2. Red: 10000111.00001010.000000001.00000001.
Máscara de red: 255.255.0.0

3. $2^4 = 16$ redes
Máscara de red:
11111111.11111111.00000000.11111111
255.255.0.16

$$4. 256 - 240 = 16$$

5.

No. de Subred	Dirección de red	1ra IP Valida	Ultima IP Valida	Dirección del Broadcast
1	135.10.1.1	135.10.1.2	135.10.1.15	135.10.1.16
2	135.10.1.17	135.10.1.18	135.10.1.31	135.10.1.32
3	135.10.1.33	135.10.1.34	135.10.1.47	135.10.1.48
4	135.10.1.49	135.10.1.50	135.10.1.63	135.10.1.64
5	135.10.1.65	135.10.1.66	135.10.1.79	135.10.1.80
6	135.10.1.81	135.10.1.82	135.10.1.95	135.10.1.96
7	135.10.1.97	135.10.1.98	135.10.1.111	135.10.1.112
8	135.10.1.113	135.10.1.114	135.10.1.127	135.10.1.128

$$6. 2^{12} - 2 = 4,094 \text{ hosts disponibles por subred}$$