

192.168.50.100/24
255.255.255.0
11000000.10101000.00110010.01100100
11111111.11111111.11111111.00000000
11000000.10101000.00110010.11111111 192.168.50.255
11000000.10101000.00110010.00000000 192.168.50.0
 $256 - 2 = 254$

192.168.50.100/25
255.255.255.128
11000000.10101000.00110010.01100100
11111111.11111111.11111111.10000000
11000000.10101000.00110010.01111111 192.168.50.127
11000000.10101000.00110010.00000000 192.168.50.0
 $128 - 2 = 126$

192.168.50.130/25
255.255.255.128
11000000.10101000.00110010.10000010
11111111.11111111.11111111.10000000
11000000.10101000.00110010.11111111 192.168.50.255
11000000.10101000.00110010.10000000 192.168.50.128
 $128 - 2 = 126$

192.168.50.0-127 192.168.50.128-255

192.168.50.100/23
255.255.254.0
11000000.10101000.00110010.01100100
11111111.11111111.11111110.00000000
11000000.10101000.00110011.11111111 192.168.51.255
11000000.10101000.00110010.00000000 192.168.50.0
 $512 - 2 = 510$

192.168.50.100/22
255.255.252.0
11000000.10101000.00110010.01100100
11111111.11111111.11111100.00000000
11000000.10101000.00110011.11111111 192.168.51.255
11000000.10101000.00110000.00000000 192.168.48.0
 $1024 - 2 = 1022$

128
64
32
16
8
4
2
1