

Usable Hosts	126	62	30	14	6	2	0	0
Hosts	128	64	32	16	8	4	2	0
Subnets	2	4	8	16	32	64	128	256
Binary totals, left to right	128	192	224	240	248	252	254	255
Binary	128	64	32	16	8	4	2	1
CIDR 4th Octet	/25	/26	/27	/28	/29	/30	/31	/32
	2 ⁷	2 ⁶	2 ⁵	2 ⁴	2 ³	2 ²	2 ¹	2 ⁰
	128	64	32	16	8	4	2	1
CIDR 3rd Octet	/17	/18	/19	/20	/21	/22	/23	/24
	2 ¹⁵	2 ¹⁴	2 ¹³	2 ¹²	2 ¹¹	2 ¹⁰	2 ⁹	2 ⁸
	32,768	16,384	8,192	4,096	2,048	1,024	512	256
CIDR 2nd Octet	/9	/10	/11	/12	/13	/14	/15	/16
	2 ²³	2 ²²	2 ²¹	2 ²⁰	2 ¹⁹	2 ¹⁸	2 ¹⁷	2 ¹⁶
	8,388,608	4,194,304	2,097,152	1,048,576	524,288	262,144	131,072	65,536
CIDR 1st Octet	/1	/2	/3	/4	/5	/6	/7	/8
	2 ³¹	2 ³⁰	2 ²⁹	2 ²⁸	2 ²⁷	2 ²⁶	2 ²⁵	2 ²⁴
	2,147,483,648	1,073,741,824	536,870,912	268,435,456	134,217,728	67,108,864	33,554,432	16,777,216

.0	.0	.0	.0	.0	.0	.0	.0
						.2	.2
						.4	.4
						.6	.6
						.8	.8
						.10	.10
						.12	.12
						.14	.14
						.16	.16
						.18	.18
						.20	.20
						.22	.22
						.24	.24
						.26	.26
						.28	.28
						.30	.30
						.32	.32
						.34	.34
						.36	.36
						.38	.38
						.40	.40
						.42	.42
						.44	.44
						.46	.46
						.48	.48
						.50	.50
						.52	.52
						.54	.54
						.56	.56
						.58	.58
						.60	.60
						.62	.62
						.64	.64
						.66	.66
						.68	.68
						.70	.70
						.72	.72
						.74	.74
						.76	.76
						.78	.78
						.80	.80
						.82	.82
						.84	.84
						.86	.86
						.88	.88
						.90	.90
						.92	.92
						.94	.94
						.96	.96
						.98	.98
						.100	.100
						.102	.102
						.104	.104
						.106	.106
						.108	.108
						.110	.110
						.112	.112
						.114	.114
						.116	.116
						.118	.118
						.120	.120
						.122	.122
						.124	.124
						.126	.126
						.128	.128
						.130	.130
						.132	.132
						.134	.134
						.136	.136
						.138	.138
						.140	.140
						.142	.142
						.144	.144
						.146	.146
						.148	.148
						.150	.150
						.152	.152
						.154	.154
						.156	.156
						.158	.158
						.160	.160
						.162	.162
						.164	.164
						.166	.166
						.168	.168
						.170	.170
						.172	.172
						.174	.174
						.176	.176
						.178	.178
						.180	.180
						.182	.182
						.184	.184
						.186	.186
						.188	.188
						.190	.190
						.192	.192
						.194	.194
						.196	.196
						.198	.198
						.200	.200
						.202	.202
						.204	.204
						.206	.206
						.208	.208
						.210	.210
						.212	.212
						.214	.214
						.216	.216
						.218	.218
						.220	.220
						.222	.222
						.224	.224
						.226	.226
						.228	.228
						.230	.230
						.232	.232
						.234	.234
						.236	.236
						.238	.238
						.240	.240
						.242	.242
						.244	.244
						.246	.246
						.248	.248
						.250	.250
						.252	.252
						.254	.254
.256	.256						
.258	.258						
.260	.260						
.262	.262						
.264	.264						
.266	.266						
.268	.268						
.270	.270						
.272	.272						
.274	.274						
.276	.276						
.278	.278						
.280	.280						
.282	.282						
.284	.284						
.286	.286						
.288	.288						
.290	.290						
.292	.292						
.294	.294						
.296	.296						
.298	.298						
.300	.300						