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Tech Notes

## Host/Subnet Quantities Table

Class B # bits	Mask	Effective Subnets	Effective Hosts
2	255.255.192.0	2	16382
3	255.255.224.0	6	8190
4	255.255.240.0	14	4094
5	255.255.248.0	30	2046
6	255.255.252.0	62	1022
7	255.255.254.0	126	510
8	255.255.255.0	254	254
9	255.255.255.128	510	126
10	255.255.255.192	1022	62
11	255.255.255.224	2046	30
12	255.255.255.240	4094	14
13	255.255.255.248	8190	6
14	255.255.255.252	16382	2

Class C # bits	Mask	Effective Subnets	Effective Hosts
2	255.255.255.192	2	62
3	255.255.255.224	6	30
4	255.255.255.240	14	14
5	255.255.255.248	30	6
6	255.255.255.252	62	2

Class A # bits	Mask	Effective Subnets	Effective Hosts
2	255.192.0.0	2	4194302
3	255.224.0.0	6	2097150
4	255.240.0.0	14	1048574
5	255.248.0.0	30	524286
6	255.252.0.0	62	262142
7	255.254.0.0	126	131070
8	255.255.0.0	254	65534
9	255.255.128.0	510	32766
10	255.255.192.0	1022	16382
11	255.255.224.0	2046	8190
12	255.255.240.0	4094	4094
13	255.255.248.0	8190	2046
14	255.255.252.0	16382	1022
15	255.255.254.0	32766	510
16	255.255.255.0	65534	254
17	255.255.255.128	131070	126
18	255.255.255.192	262142	62
19	255.255.255.224	524286	30
20	255.255.255.240	1048574	14
21	255.255.255.248	2097150	6
22	255.255.255.252	4194302	2

\*Subnet all zeroes and all ones excluded.

\*Host all zeroes and all ones excluded.

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