

| Class C --> 8-Bit Hostfield | | | "1" Subnets | "0" Hosts |
|------------------------------|------|-------------------|------------------|------------------|
| 255.255.255.0 | / 24 | 00000000 | 0 $2^0=1$ No | 8 $256-2=254$ |
| 255.255.255.128 | / 25 | 10000000 | 1 $2^1=2$ | 7 $128-2=126$ |
| 255.255.255.192 | / 26 | 11000000 | 2 $2^2=4$ | 6 $64-2=62$ |
| 255.255.255.224 | / 27 | 11100000 | 3 $2^3=8$ | 5 $32-2=30$ |
| 255.255.255.240 | / 28 | 11110000 | 4 $2^4=16$ | 4 $16-2=14$ |
| 255.255.255.248 | / 29 | 11111000 | 5 $2^5=32$ | 3 $8-2=6$ |
| 255.255.255.252 | / 30 | 11111100 | 6 $2^6=64$ | 2 $4-2=2$ |
| Class B --> 16-Bit Hostfield | | | "1" Subnets | "0" Hosts |
| 255.255.0.0 | / 16 | 00000000.00000000 | 0 $2^0=1$ No | 16 64k |
| 255.255.128.0 | / 17 | 10000000.00000000 | 1 $2^1=2$ | 15 32k |
| 255.255.192.0 | / 18 | 11000000.00000000 | 2 $2^2=4$ | 14 16k |
| 255.255.224.0 | / 19 | 11100000.00000000 | 3 $2^3=8$ | 13 $8192-2=8190$ |
| 255.255.240.0 | / 20 | 11110000.00000000 | 4 $2^4=16$ | 12 $4096-2=4094$ |
| 255.255.248.0 | / 21 | 11111000.00000000 | 5 $2^5=32$ | 11 $2048-2=2046$ |
| 255.255.252.0 | / 22 | 11111100.00000000 | 6 $2^6=64$ | 10 $1024-2=1022$ |
| 255.255.254.0 | / 23 | 11111110.00000000 | 7 $2^7=128$ | 9 $512-2=510$ |
| 255.255.255.0 | / 24 | 11111111.00000000 | 8 $2^8=256$ | 8 $256-2=254$ |
| 255.255.255.128 | / 25 | 11111111.10000000 | 9 $2^9=512$ | 7 $128-2=126$ |
| 255.255.255.192 | / 26 | 11111111.11000000 | 10 $2^{10}=1024$ | 6 $64-2=62$ |
| 255.255.255.224 | / 27 | 11111111.11100000 | 11 $2^{11}=2048$ | 5 $32-2=30$ |
| 255.255.255.240 | / 28 | 11111111.11110000 | 12 $2^{12}=4096$ | 4 $16-2=14$ |
| 255.255.255.248 | / 29 | 11111111.11111000 | 13 $2^{13}=8192$ | 3 $8-2=6$ |
| 255.255.255.252 | / 30 | 11111111.11111100 | 14 $2^{14}=16k$ | 2 $4-2=2$ |