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## SUBNET ID/HOST CHART FOR CLASS B NETWORKS

Network address                    152.77.0.0  
 Default SNM                        255.255.0.0

11111111. 11111111. 0000 0000 0000 0000

SUBNET MASK (Last two octets)	SNM	1 SUBNET ID	# of SN-IDs* (Class A or B)	# of Hosts Per SN-ID	INCREMENT OF EACH SUCESSIVE SUBNET ID
1000 0000 0000 0000	128	$2^7 = 128$	$2^1 = 2-2= 0$	$2^{15} = 32768 - 2 = 32766$	128
1100 0000 0000 0000	192	$2^6 = 64$	$2^2 = 4-2= 2$	$2^{14} = 16384 - 2 = 16382$	64
1110 0000 0000 0000	224	$2^5 = 32$	$2^3 = 8-2= 6$	$2^{13} = 8192 - 2 = 8190$	32
1111 0000 0000 0000	240	$2^4 = 16$	$2^4 = 16-2= 14$	$2^{12} = 4096 - 2 = 4094$	16
1111 1000 0000 0000	248	$2^3 = 8$	$2^5 = 32-2= 30$	$2^{11} = 2048 - 2 = 2046$	8
1111 1100 0000 0000	252	$2^2 = 4$	$2^6 = 64-2= 62$	$2^{10} = 1024 - 2 = 1022$	4
1111 1110 0000 0000	254	$2^1 = 2$	$2^7 = 128-2= 126$	$2^9 = 512 - 2 = 510$	2
1111 1111 0000 0000	255	$2^0 = 1$	$2^8 = 256-2= 254$	$2^8 = 256 - 2 = 254$	1

## Class C Networks

Network address                    206.123.88.0  
 Default SNM

255.255.255.0

11111111. 11111111. 11111111. 0000 0000

SUBNET (Last octets)	SNM	# SN ID'S	# of Hosts Per SN-ID
1000 0000	128	$2^1 = 2-2= 0$	$2^7 = 128 - 2 = 126$
1100 0000	192	$2^2 = 4-2= 2$	$2^6 = 64 - 2 = 62$
1110 0000	224	$2^3 = 8-2= 6$	$2^5 = 32 - 2 = 30$
1111 0000	240	$2^4 = 16-2= 14$	$2^4 = 16 - 2 = 14$
1111 1000	248	$2^5 = 32-2= 30$	$2^3 = 8 - 2 = 6$
1111 1100	252	$2^6 = 64-2= 62$	$2^2 = 4 - 2 = 2$
1111 1110	254	$2^7 = 128-2= 126$	$2^1 = 2 - 2 = 0$ (Invalid)
1111 1111	255	$2^8 = 256-2= 254$	$2^0 = 1 - 2 =$ (Invalid)