

Harry

Stewart Dulaney

CS 70

Section 1782

SID: 1545566

Sally is on an ethernet LAN. Her IP address is 192.32.15.1 (11000000 00100000 00001111 00000001)

Netmask	Netmask (binary)	Network size	Network start address	Network end address
255.255.0.0	11111111 11111111 00000000 00000000	$2^{16} = 65536$	192.32.0.0	192.32.255.255
255.255.128.0	11111111 11111111 10000000 00000000	$2^{15} = 32768$	192.32.0.0	192.32.127.255
255.255.192.0	11111111 11111111 11000000 00000000	$2^{14} = 16384$	192.32.0.0	192.32.63.255
255.255.224.0	11111111 11111111 11100000 00000000	$2^{13} = 8192$	192.32.0.0	192.32.31.255
255.255.240.0	11111111 11111111 11110000 00000000	$2^{12} = 4096$	192.32.0.0	192.32.15.255
255.255.248.0	11111111 11111111 11111000 00000000	$2^{11} = 2048$	192.32.8.0	192.32.15.255
255.255.252.0	11111111 11111111 11111100 00000000	$2^{10} = 1024$	192.32.12.0	192.32.15.255
255.255.254.0	11111111 11111111 11111110 00000000	$2^9 = 512$	192.32.14.0	192.32.15.255
255.255.255.0	11111111 11111111 11111111 00000000	$2^8 = 256$	192.32.15.0	192.32.15.255
255.255.255.128	11111111 11111111 11111111 10000000	$2^7 = 128$	192.32.15.0	192.32.15.127
255.255.255.192	11111111 11111111 11111111 11000000	$2^6 = 64$	192.32.15.0	192.32.15.63
255.255.255.224	11111111 11111111 11111111 11100000	$2^5 = 32$	192.32.15.0	192.32.15.31
255.255.255.240	11111111 11111111 11111111 11110000	$2^4 = 16$	192.32.15.0	192.32.15.15
255.255.255.248	11111111 11111111 11111111 11111000	$2^3 = 8$	192.32.15.0	192.32.15.7
255.255.255.252	11111111 11111111 11111111 11111100	$2^2 = 4$	192.32.15.0	192.32.15.3
255.255.255.254	11111111 11111111 11111111 11111110	$2^1 = 2$	192.32.15.0	192.32.15.1
255.255.255.255	11111111 11111111 11111111 11111111	$2^0 = 1$	192.32.15.1	192.32.15.1

Harry's is 192.32.16.2

Jim's address is 192.32.15.245

Sue's is 192.32.15.9

Alice's is 192.32.15.3

Jim

Sally is on an ethernet LAN. Her IP address is 192.32.15.1 (11000000 00100000 00001111 00000001)

Netmask	Netmask (binary)	Network size	Network start address	Network end address
255.255.0.0	11111111 11111111 00000000 00000000	$2^{16} = 65536$	192.32.0.0	192.32.255.255
255.255.128.0	11111111 11111111 10000000 00000000	$2^{15} = 32768$	192.32.0.0	192.32.127.255
255.255.192.0	11111111 11111111 11000000 00000000	$2^{14} = 16384$	192.32.0.0	192.32.63.255
255.255.224.0	11111111 11111111 11100000 00000000	$2^{13} = 8192$	192.32.0.0	192.32.31.255
255.255.240.0	11111111 11111111 11110000 00000000	$2^{12} = 4096$	192.32.0.0	192.32.15.255
255.255.248.0	11111111 11111111 11111000 00000000	$2^{11} = 2048$	192.32.8.0	192.32.15.255
255.255.252.0	11111111 11111111 11111100 00000000	$2^{10} = 1024$	192.32.12.0	192.32.15.255
255.255.254.0	11111111 11111111 11111110 00000000	$2^9 = 512$	192.32.14.0	192.32.15.255
255.255.255.0	11111111 11111111 11111111 00000000	$2^8 = 256$	192.32.15.0	192.32.15.255
255.255.255.128	11111111 11111111 11111111 10000000	$2^7 = 128$	192.32.15.0	192.32.15.127
255.255.255.192	11111111 11111111 11111111 11000000	$2^6 = 64$	192.32.15.0	192.32.15.63
255.255.255.224	11111111 11111111 11111111 11100000	$2^5 = 32$	192.32.15.0	192.32.15.31
255.255.255.240	11111111 11111111 11111111 11110000	$2^4 = 16$	192.32.15.0	192.32.15.15
255.255.255.248	11111111 11111111 11111111 11111000	$2^3 = 8$	192.32.15.0	192.32.15.7
255.255.255.252	11111111 11111111 11111111 11111100	$2^2 = 4$	192.32.15.0	192.32.15.3
255.255.255.254	11111111 11111111 11111111 11111110	$2^1 = 2$	192.32.15.0	192.32.15.1
255.255.255.255	11111111 11111111 11111111 11111111	$2^0 = 1$	192.32.15.1	192.32.15.1

Jim's address is 192.32.15.245

Sue's is 192.32.15.9

Alice's is 192.32.15.3

Sue

Sally is on an ethernet LAN. Her IP address is 192.32.15.1 (11000000 00100000 00001111 00000001)

Netmask	Netmask (binary)	Network size	Network start address	Network end address
255.255.0.0	11111111 11111111 00000000 00000000	$2^{16} = 65536$	192.32.0.0	192.32.255.255
255.255.128.0	11111111 11111111 10000000 00000000	$2^{15} = 32768$	192.32.0.0	192.32.127.255
255.255.192.0	11111111 11111111 11000000 00000000	$2^{14} = 16384$	192.32.0.0	192.32.63.255
255.255.224.0	11111111 11111111 11100000 00000000	$2^{13} = 8192$	192.32.0.0	192.32.31.255
255.255.240.0	11111111 11111111 11110000 00000000	$2^{12} = 4096$	192.32.0.0	192.32.15.255
255.255.248.0	11111111 11111111 11111000 00000000	$2^{11} = 2048$	192.32.8.0	192.32.15.255
255.255.252.0	11111111 11111111 11111100 00000000	$2^{10} = 1024$	192.32.12.0	192.32.15.255
255.255.254.0	11111111 11111111 11111110 00000000	$2^9 = 512$	192.32.14.0	192.32.15.255
255.255.255.0	11111111 11111111 11111111 00000000	$2^8 = 256$	192.32.15.0	192.32.15.255
255.255.255.128	11111111 11111111 11111111 10000000	$2^7 = 128$	192.32.15.0	192.32.15.127
255.255.255.192	11111111 11111111 11111111 11000000	$2^6 = 64$	192.32.15.0	192.32.15.63
255.255.255.224	11111111 11111111 11111111 11100000	$2^5 = 32$	192.32.15.0	192.32.15.31
255.255.255.240	11111111 11111111 11111111 11110000	$2^4 = 16$	192.32.15.0	192.32.15.15
255.255.255.248	11111111 11111111 11111111 11111000	$2^3 = 8$	192.32.15.0	192.32.15.7
255.255.255.252	11111111 11111111 11111111 11111100	$2^2 = 4$	192.32.15.0	192.32.15.3
255.255.255.254	11111111 11111111 11111111 11111110	$2^1 = 2$	192.32.15.0	192.32.15.1
255.255.255.255	11111111 11111111 11111111 11111111	$2^0 = 1$	192.32.15.1	192.32.15.1

Jim's address is 192.32.15.245

Sue's is 192.32.15.9

Alice's is 192.32.15.3

Alice

Sally is on an ethernet LAN. Her IP address is 192.32.15.1 (11000000 00100000 00001111 00000001)

Netmask	Netmask (binary)	Network size	Network start address	Network end address
255.255.0.0	11111111 11111111 00000000 00000000	$2^{16} = 65536$	192.32.0.0	192.32.255.255
255.255.128.0	11111111 11111111 10000000 00000000	$2^{15} = 32768$	192.32.0.0	192.32.127.255
255.255.192.0	11111111 11111111 11000000 00000000	$2^{14} = 16384$	192.32.0.0	192.32.63.255
255.255.224.0	11111111 11111111 11100000 00000000	$2^{13} = 8192$	192.32.0.0	192.32.31.255
255.255.240.0	11111111 11111111 11110000 00000000	$2^{12} = 4096$	192.32.0.0	192.32.15.255
255.255.248.0	11111111 11111111 11111000 00000000	$2^{11} = 2048$	192.32.8.0	192.32.15.255
255.255.252.0	11111111 11111111 11111100 00000000	$2^{10} = 1024$	192.32.12.0	192.32.15.255
255.255.254.0	11111111 11111111 11111110 00000000	$2^9 = 512$	192.32.14.0	192.32.15.255
255.255.255.0	11111111 11111111 11111111 00000000	$2^8 = 256$	192.32.15.0	192.32.15.255
255.255.255.128	11111111 11111111 11111111 10000000	$2^7 = 128$	192.32.15.0	192.32.15.127
255.255.255.192	11111111 11111111 11111111 11000000	$2^6 = 64$	192.32.15.0	192.32.15.63
255.255.255.224	11111111 11111111 11111111 11100000	$2^5 = 32$	192.32.15.0	192.32.15.31
255.255.255.240	11111111 11111111 11111111 11110000	$2^4 = 16$	192.32.15.0	192.32.15.15
255.255.255.248	11111111 11111111 11111111 11111000	$2^3 = 8$	192.32.15.0	192.32.15.7
255.255.255.252	11111111 11111111 11111111 11111100	$2^2 = 4$	192.32.15.0	192.32.15.3
255.255.255.254	11111111 11111111 11111111 11111110	$2^1 = 2$	192.32.15.0	192.32.15.1
255.255.255.255	11111111 11111111 11111111 11111111	$2^0 = 1$	192.32.15.1	192.32.15.1

Jim's address is 192.32.15.245

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