





INSTITUTO TECNOLOGICO DE CANCÚN

INGENIERIA EN SISTEMAS COMPUTACIONALES

FUNDAMENTOS DE TELECOMUNICACIONES

CORECION DE CALCULO DE REDES 3

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172.16.0.0/19	BINARIO	DECIMAL
		PUNTEADO
IP	10101100.00010000.00000000.00000000	72.16.0.0
MASK	11111111.111111111.11100000.00000000	255.255.224.0
ID	10101100.00010000.00000000.00000000/19	172.16 0.0/19
WCARD	000000000000000000000000000000000000000	0.0.31.255
BCAST	10101100.00010000.00011111.11111111	172.16.31.255
1ST IP	10101100.00010000.00000000.00000001	172.16.0.1
LAST IP	10101100.00010000.00000000.11111110	172.16.31.254

172.16.0.0/21	BINARIO	DECIMAL
		PUNTEADO
IP	10101100.00010000.00000000.00000000	172.16.0.0
MASK	11111111.11111111.11111000.00000000	255.255.248.0
ID	10101100.00010000.00000000.000000000/21	172.16 0.0/21
WCARD	000000000000000000000000000000000000000	0.0.7.255
BCAST	10101100.00010000.00011111.11111111	172.16.7.255
1ST IP	10101100.00010000.00000000.00000001	172.16.0.1
LAST IP	10101100.00010000.00000111.11111110	172.16.7.254

172.16.8.0/22	BINARIO	DECIMAL
		PUNTEADO
IP	10101100.00010000.00000000.00000000	172.16.0.0
MASK	11111111.111111111.11111100.00000000	255.255.248.0
ID	10101100.00010000.00000000.000000000/22	172.16 0.0/22
WCARD	000000000000000000000000000000000000000	0.0.3.255
BCAST	10101100.00010000.00011111.11111111	172.16.11.255
1ST IP	10101100.00010000.00001000.00000001	172.16.8.1
LAST IP	10101100.00010000.00001011.11111110	172.16.11.254

172.16.12.0/22	BINARIO	DECIMAL
		PUNTEADO
IP	10101100.00010000.00001100.00000000	172.16.12.0
MASK	11111111.11111111.11111100.00000000	255.255.252.0
ID	10101100.00010000.00001100.00000000/22	172.16 12.0/22
WCARD	000000000000000000000000000000000000000	0.0.3.255
BCAST	10101100.00010000.00001111.11111111	172.16.15.255
1ST IP	10101100.00010000.00001000.00000001	172.16.12.1
LAST IP	10101100.00010000.00010000.11111110	172.16.16.254







172.16.16.0/23	BINARIO	DECIMAL
		PUNTEADO
IP	10101100.00010000.00001100.00000000	172.16.16.0
MASK	11111111.11111111.11111110.00000000	255.255.254.0
ID	10101100.00010000.00010000.000000000/23	172.16 16.0/23
WCARD	000000000000000000000000000000000000000	0.0.1.255
BCAST	10101100.00010000. 00010001.11111111	172.16.17.255
1ST IP	10101100.00010000.00010000.00000001	172.16.16.1
LAST IP	10101100.00010000.00010001.111111110	172.16.17.254

172.16 18.0/23	BINARIO	DECIMAL
		PUNTEADO
IP	10101100.00010000.00010010.00000000	172.16.18.0
MASK	11111111.11111111.11111110.00000000	255.255.254.0
ID	10101100.00010000.00010010.000000000/23	172.16 18.0/23
WCARD	000000000000000000000000000000000000000	0.0.1.255
BCAST	10101100.00010000.00010010.11111111	172.16.18.255
1ST IP	10101100.00010000.00010010.00000001	172.16.18.1
LAST IP	10101100.00010000.00010010.111111110	172.16.18.254

172.16.20.0/24	BINARIO	DECIMAL
		PUNTEADO
IP	10101100.00010000.00010100.00000000	172.16.20.0
MASK	11111111.111111111.11111111.00000000	255.255.255.0
ID	10101100.00010000.00010100.00000000/24	172.16 20.0/24
WCARD	000000000000000000000000000000000000000	0.0.0.255
BCAST	10101100.00010000.00010100.11111111	172.16.20.255
1ST IP	10101100.00010000.00010100.00000001	172.16.20.1
LAST IP	10101100.00010000.00010100.11111110	172.16.20.254

172.16.21.0/24	BINARIO	DECIMAL
		PUNTEADO
IP	10101100.00010000.00010101.00000000	172.16.21.0
MASK	11111111.11111111.11111111.00000000	255.255.255.0
ID	10101100.00010000.00010101.000000000/24	172.16 21.0/24
WCARD	000000000000000000000000000000000000000	0.0.0.255
BCAST	10101100.00010000. 00010100.11111111	172.16.21.255
1ST IP	10101100.00010000.00010101.00000001	172.16.21.1
LAST IP	10101100.00010000.00010101.111111110	172.16.21.254







172.16.22.0/24	BINARIO	DECIMAL
		PUNTEADO
IP	10101100.00010000.00010110.00000000	172.16.22.0
MASK	11111111.111111111.11111111.00000000	255.255.255.0
ID	10101100.00010000.00010110.00000000/24	172.16 22.0/24
WCARD	000000000000000000000000000000000000000	0.0.0.255
BCAST	10101100.00010000. 00010110.11111111	172.16.22.255
1ST IP	10101100.00010000.00010110.00000001	172.16.22.1
LAST IP	10101100.00010000.00010110.11111110	172.16.22.254

172.16.23.0/25	BINARIO	DECIMAL
		PUNTEADO
IP	10101100.00010000.00010111.00000000	172.16.23.0
MASK	11111111.11111111.11111111.10000000	255.255.255.128
ID	10101100.00010000.00010111.10000000/25	172.16 23.0/25
WCARD	000000000000000000000000000000000000000	0.0.0.127
BCAST	10101100.00010000.00010111.01111111	172.16.23.127
1ST IP	10101100.00010000.00010111.00000001	172.16.23.1
LAST IP	10101100.00010000.00010111.11111110	172.16.23.126

172.16.23.128/26	BINARIO	DECIMAL
		PUNTEADO
IP	10101100.00010000.00010111.10000000	172.16.23.128
MASK	11111111.111111111.11111111.11110000	255.255.255.192
ID	10101100.00010000.00010111.10000000/26	172.16.23.128/26
WCARD	000000000000000000000000000000000000000	0.0.0.63
BCAST	10101100.00010000. 00010111. 10111111	172.16.23.191
1ST IP	10101100.00010000.00010111.10000001	172.16.23.129
LAST IP	10101100.00010000.00010111. 1011 1110	172.16.23.190