

Red Clase A (W.###.###.###)

Mascara	Bits de Red	Bits de Host	Nº máximo de Redes	Nº máximo de Host
11111111.10000000.00000000.00000000 255.128.0.0	1	23	$2^1=2$	$2^{23-2}=8.388.604$
11111111.11000000.00000000.00000000 255.192.0.0	2	22	$2^2=4$	$2^{22-2}=4.194.302$
11111111.11100000.00000000.00000000 255.224.0.0	3	21	$2^3=8$	$2^{21-2}=2.097.150$
11111111.11110000.00000000.00000000 255.240.0.0	4	20	$2^4=16$	$2^{20-2}=1.048.574$
11111111.11111000.00000000.00000000 255.248.0.0	5	19	$2^5=32$	$2^{19-2}=524.286$
11111111.11111100.00000000.00000000 255.252.0.0	6	18	$2^6=64$	$2^{18-2}=162.142$
11111111.11111110.00000000.00000000 255.254.0.0	7	17	$2^7=128$	$2^{17-2}=131.070$
11111111.11111111.00000000.00000000 255.255.0.0	8	16	$2^8=256$	$2^{16-2}=65.534$
11111111.11111111.10000000.00000000 255.255.128.0	9	15	$2^9=512$	$2^{15-2}=32.766$
11111111.11111111.11000000.00000000 255.255.192.0	10	14	$2^{10}=1024$	$2^{14-2}=16.382$
11111111.11111111.11100000.00000000 255.255.224.0	11	13	$2^{11}=2048$	$2^{13-2}=8.190$
11111111.11111111.11110000.00000000 255.255.240.0	12	12	$2^{12}=4096$	$2^{12-2}=4094$
11111111.11111111.11111000.00000000 255.255.248.0	13	11	$2^{13}=8192$	$2^{11-2}=2046$
11111111.11111111.11111100.00000000 255.255.252.0	14	10	$2^{14}=16384$	$2^{10-2}=1022$
11111111.11111111.11111110.00000000 255.255.254.0	15	9	$2^{15}=32768$	$2^{9-2}=510$
11111111.11111111.11111111.00000000 255.255.255.0	16	8	$2^{16}=65536$	$2^{8-2}=254$
11111111.11111111.11111111.10000000 255.255.255.128	17	7	$2^{17}=131072$	$2^{7-2}=126$
11111111.11111111.11111111.11000000 255.255.255.192	18	6	$2^{18}=262144$	$2^{6-2}=62$
11111111.11111111.11111111.11100000 255.255.255.224	19	5	$2^{19}=524.288$	$2^{5-2}=30$
11111111.11111111.11111111.11110000 255.255.255.240	20	4	$2^{20}=1048576$	$2^{4-2}=14$
11111111.11111111.11111111.11111000 255.255.255.248	21	3	$2^{21}=2097152$	$2^{3-2}=6$
11111111.11111111.11111111.11111100 255.255.255.252	22	12	$2^{22}=4194304$	$2^{2-2}=2$



Se quitan 2 al nº de hosts debido a que la dirección todo a 1 ó todo a 0 no son válidas ya que están reservadas.



Esta tabla está confeccionada permitiendo el primer bit de subred (RFC 1878) .

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