

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

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

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