Roy Cus

My Ipv4 address: 192.168.11.192

Subnet mask: 255.255.255.0

**IPv4:**

1. 1 3 6 12 24 48 96 192

1 1 0 0 0 0 0 0

1. 1 5 10 21 42 84 168

1 1 0 1 0 0 0 0

1. 1 5 11

1 1 1 0 0 0 0 0

1. 1 3 6 12 24 48 96 192

1 1 0 0 0 0 0 0

192.168.11.192 = 1 1 0 0 0 0 0 0. 1 1 0 1 0 0 0 0. 1 1 1 0 0 0 0 0. 1 1 0 0 0 0 0 0

**Subnet Mask:**

1. 1 3 7 15 31 63 127 255

1 1 1 1 1 1 1 1

1. 1 7 15 31 63 127 255

1 1 1 1 1 1 1 1

1. 0 0 0 0 0 0 0 0

255.255.0 = 1 1 1 1 1 1 1 1. 1 1 1 1 1 1 1 1. 1 1 1 1 1 1 1 1. 0 0 0 0 0 0 0 0

**AND**

1 1 0 0 0 0 0 0. 1 1 0 1 0 0 0 0. 1 1 1 0 0 0 0 0. 1 1 0 0 0 0 0 0

1 1 1 1 1 1 1 1. 1 1 1 1 1 1 1 1. 1 1 1 1 1 1 1 1. 0 0 0 0 0 0 0 0

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1 1 0 0 0 0 0. 1 1 0 1 0 0 0 0. 1 1 1 0 0 0 0 0. 0 0 0 0 0 0 0 0

NETWORK COMPONENT NODE

**IPv6 to binary.**

My Ipv6 address: Fe80::7dd3:b8d2:5eb0:bac5%13

Fe80::7dd3:b8d2:5eb0:bac5%13 = 1111111010000000. 00000000.00000000.0111110111010011.1011100011010010.0101111010110000.1011101011000101. 00010011