Subnetting V1

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Dividing Subnet from 16 to 17
1)10.0.0.0/17
   Binary : 00001010 . 00000000 . 00000000 . 00000000
   Range : 10.0.0.0/17 -10.0.127.255 /17
2)0.0.127.255 /17
   Binary : 00001010 . 00000000 . 10000000 . 00000000
   Range : 10.0.128.0/17 -10.0.255.255 /17

Dividing Subnet from 16 to 18
1)10.0.0.0/18
   Binary : 00001010 . 00000000 . 00000000 . 00000000
   Range : 10.0.0.0/18-10.0.63.255/18
2)10.0.64.0/18
   Binary : 00001010 . 00000000 . 01000000 . 00000000
   Range : 10.64.0.0/18-10.0.127.255/18
3)0.0.128.0/18
   Binary : 00001010 . 00000000 . 10000000 . 00000000
   Range : 10.0.128.0-10.0.191.255/18

4)0.0.192.0/18
   Binary : 00001010 . 00000000 . 11000000 . 00000000
   Range : 10.0.129.0-10.0.255.255/18

Dividing Subnet from 16 to 19
1)10.0.0.0/19
   Binary : 00001010 . 00000000 . 00000000 . 00000000
   Range : 10.0.0.0/17 -10.0.31.255 /19
2)10.0.32.0/19
   Binary : 00001010 . 00000000 . 00100000 . 00000000
   Range :10.0.32.0 /19-10.0.63.255 /19
3)10.0.64.0/19
   Binary : 00001010 . 00000000 . 01000000 . 00000000
   Range :0.0.64.0 /19 - 10.0.95.255/19
4)10.0.96.0/19
   Binary : 00001010 . 00000000 . 01100000 . 00000000
   Range :10.0.96.0/19-10.0.127.255/19
5)10.0.128.0/19
   Binary : 00001010 . 00000000 . 10000000 . 00000000
   Range :10.0.128.0/19-10.0.159.255/19
6)10.0.160.0/19
   Binary : 00001010 . 00000000 . 10100000 . 00000000

Range :10.0.160.0/19-10.0.191.255/19

7)10.0.192.0/19

Binary : 00001010 . 00000000 . 11000000 . 00000000

Range :10.0.192.0/19-10.0.223.255/19

8)10.0.244.0/19

Binary : 00001010 . 00000000 . 11100000 . 00000000

Range :10.0.244.0/19-10.0.255.255/19