Direccion de red :

Direccion de host:

Direccion de broodcast:

Mascara de red:

N= exponente o encendido

M=Host apagados

* Subred Formula 2n>=C
* host Fotmula 2m-2=H
* salto 256-mascara

Pasos :

1. Identificar mascara: 255.0.0.0
2. Resolver formula de sub red
3. Obtener la nueva mascara
4. Obtener host
5. Salto de red

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NO | Subred | Ip primera | Ip ultima | brodcast |
| 1 | 10.0.0.0 | 10.0.0.1 | 10.31.255.254 | 10.31.255.255 |
| 2 | 10.32.0.0 | 10.31.0.1 | 10.63.355.254 | 10.63.255.255 |
| 3 | 10.64.0.0 | 10.64.0.1 | 10.95.255.254 | 10.95.255.255 |
| 4 | 10.96.0.0 | 10.96.0.1 | 10.127.255.254 | 10.127.255.255 |
| 5 | 10.128.0.0 | 10.128.0.1 | 10.159.255.254 | 10.159.255.255 |
| 6 | 10.160.0.0 | 10.160.0.1 | 10.191.255.254 | 10.191.255.255 |
| 7 | 10.192.0.0 | 10.192.0.1 | 10.223.255.254 | 10.223.255.255 |
| 8 | 10.224.0.0 | 10.224.0.1 | 10.255.255.254 | 10.255.255.255 |
| 9 | 11.0.0.0 | 11.0.0.1 | 11.31.255.254 | 11.31.255.255 |

Terminar

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NO | Subred | Ip primera | Ip ultima | brodcast |
| 1 | 200.200.10.0 | 200.200.10.1 | 200.200.10.30 | 200.200.10.31 |
| 2 | 200.200.10.32 | 200.200.10.33 | 200.200.10.62 | 200.200.10.63 |
| 3 | 200.200.10.64 | 200.200.10.65 | 200.200.10.94 | 200.200.10.95 |
| 4 | 200.200.10.96 | 200.200.10.97 | 200.200.10.126 | 200.200.10.127 |
| 5 | 200.200.10.128 | 200.200.10.129 | 200.200.10.158 | 200.200.10.159 |
| 6 | 200.200.10.160 | 200.200.10.161 | 200.200.10.190 | 200.200.10.191 |
| 7 | 200.200.10.192 | 200.200.10.193 | 200.200.10.222 | 200.200.10.223 |
| 8 | 200.200.10.224 | 200.200.10.225 | 200.200.10.254 | 200.200.10.255 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NO | subred | Ip primera | Ip ultima | brodcast |
| 1 | 192.168.0.0 | 192.168.0.1 | 192.168.0.14 | 192.168.0.15 |
| 2 | 192.168.0.16 | 192.168.0.17 | 192.168.0.30 | 192.168.0.31 |
| 3 | 192.168.0.32 | 192.168.0.33 | 192.168.0.46 | 192.168.0.47 |
| 4 | 192.168.0.48 | 192.168.0.49 | 192.168.0.62 | 192.168.0.63 |
| 5 | 192.168.0.64 | 192.168.0.65 | 192.168.0.78 | 192.168.0.79 |
| 6 | 192.168.0.80 | 192.168.0.81 | 192.168.0.94 | 192.168.0.95 |
| 7 | 192.168.0.96 | 192.168.0.97 | 192.168.0.110 | 192.168.0.111 |
| 8 | 192.168.0.112 | 192.168.0.113 | 192.168.0.126 | 192.168.0.127 |
| 9 | 192.168.0.128 | 192.168.0.129 | 192.168.0.142 | 192.168.0.143 |
| 10 | 192.168.0.144 | 192.168.0.145 | 192.168.0.158 | 192.168.0.159 |
| 11 | 192.168.0.160 | 192.168.0.161 | 192.168.0.174 | 192.168.0.175 |
| 12 | 192.168.0.176 | 192.168.0.177 | 192.168.0.190 | 192.168.0.191 |
| 13 | 192.168.0.192 | 192.168.0.193 | 192.168.0.206 | 192.168.0.207 |
| 14 | 192.168.0.208 | 192.168.0.209 | 192.168.0.222 | 192.168.0.223 |

1. 255.255.0.0 clase b
2. 2^4=16
3. IIIIIIII.IIIIIIII.IIII0000.00000000=20
4. 2^M-2= 2¹2= 4,094
5. 256-240=16

NO | Subred | IP Primera | IP Última | Broadcast

1 | 132.18.0.0 | 132.18.0.1 | 132.18.0.6 | 132.18.0.7

2 | 132.18.0.8 | 132.18.0.9 | 132.18.0.14 | 132.18.0.15

3 | 132.18.0.16 | 132.18.0.17 | 132.18.0.22 | 132.18.0.23

4 | 132.18.0.24 | 132.18.0.25 | 132.18.0.30 | 132.18.0.31

5 | 132.18.0.32 | 132.18.0.33 | 132.18.0.38 | 132.18.0.39

6 | 132.18.0.40 | 132.18.0.41 | 132.18.0.46 | 132.18.0.47

7 | 132.18.0.48 | 132.18.0.49 | 132.18.0.54 | 132.18.0.55

8 | 132.18.0.56 | 132.18.0.57 | 132.18.0.62 | 132.18.0.63

9 | 132.18.0.64 | 132.18.0.65 | 132.18.0.70 | 132.18.0.71

10 | 132.18.0.72 | 132.18.0.73 | 132.18.0.78 | 132.18.0.79

11 | 132.18.0.80 | 132.18.0.81 | 132.18.0.86 | 132.18.0.87

12 | 132.18.0.88 | 132.18.0.89 | 132.18.0.94 | 132.18.0.95

13 | 132.18.0.96 | 132.18.0.97 | 132.18.0.102| 132.18.0.103

14 | 132.18.0.104 | 132.18.0.105 | 132.18.0.110| 132.18.0.111

15 | 132.18.0.112 | 132.18.0.113 | 132.18.0.118| 132.18.0.119

16 | 132.18.0.120 | 132.18.0.121 | 132.18.0.126| 132.18.0.127

17 | 132.18.0.128 | 132.18.0.129 | 132.18.0.134| 132.18.0.135

18 | 132.18.0.136 | 132.18.0.137 | 132.18.0.142| 132.18.0.143

19 | 132.18.0.144 | 132.18.0.145 | 132.18.0.150| 132.18.0.151

20 | 132.18.0.152 | 132.18.0.153 | 132.18.0.158| 132.18.0.159

21 | 132.18.0.160 | 132.18.0.161 | 132.18.0.166| 132.18.0.167

22 | 132.18.0.168 | 132.18.0.169 | 132.18.0.174| 132.18.0.175

23 | 132.18.0.176 | 132.18.0.177 | 132.18.0.182| 132.18.0.183

24 | 132.18.0.184 | 132.18.0.185 | 132.18.0.190| 132.18.0.191

25 | 132.18.0.192 | 132.18.0.193 | 132.18.0.198| 132.18.0.199

26 | 132.18.0.200 | 132.18.0.201 | 132.18.0.206| 132.18.0.207

27 | 132.18.0.208 | 132.18.0.209 | 132.18.0.214| 132.18.0.215

28 | 132.18.0.216 | 132.18.0.217 | 132.18.0.222| 132.18.0.223

29 | 132.18.0.224 | 132.18.0.225 | 132.18.0.230| 132.18.0.231

30 | 132.18.0.232 | 132.18.0.233 | 132.18.0.238| 132.18.0.239

31 | 132.18.0.240 | 132.18.0.241 | 132.18.0.246| 132.18.0.247

32 | 132.18.0.248 | 132.18.0.249 | 132.18.0.254| 132.18.0.255

33 | 132.18.1.0 | 132.18.1.1 | 132.18.1.6 | 132.18.1.7

34 | 132.18.1.8 | 132.18.1.9 | 132.18.1.14 | 132.18.1.15

35 | 132.18.1.16 | 132.18.1.17 | 132.18.1.22 | 132.18.1.23

36 | 132.18.1.24 | 132.18.1.25 | 132.18.1.30 | 132.18.1.31

37 | 132.18.1.32 | 132.18.1.33 | 132.18.1.38 | 132.18.1.39

38 | 132.18.1.40 | 132.18.1.41 | 132.18.1.46 | 132.18.1.47

39 | 132.18.1.48 | 132.18.1.49 | 132.18.1.54 | 132.18.1.55

40 | 132.18.1.56 | 132.18.1.57 | 132.18.1.62 | 132.18.1.63

41 | 132.18.1.64 | 132.18.1.65 | 132.18.1.70 | 132.18.1.71

42 | 132.18.1.72 | 132.18.1.73 | 132.18.1.78 | 132.18.1.79

43 | 132.18.1.80 | 132.18.1.81 | 132.18.1.86 | 132.18.1.87

44 | 132.18.1.88 | 132.18.1.89 | 132.18.1.94 | 132.18.1.95

45 | 132.18.1.96 | 132.18.1.97 | 132.18.1.102| 132.18.1.103

46 | 132.18.1.104 | 132.18.1.105 | 132.18.1.110| 132.18.1.111

47 | 132.18.1.112 | 132.18.1.113 | 132.18.1.118| 132.18.1.119

48 | 132.18.1.120 | 132.18.1.121 | 132.18.1.126| 132.18.1.127

49 | 132.18.1.128 | 132.18.1.129 | 132.18.1.134| 132.18.1.135

50 | 132.18.1.136 | 132.18.1.137 | 132.18.1.142| 132.18.1.143

1. 255.255.0.0 clase b
2. 2^6=64
3. IIIIIIII.IIIIIIII.IIIIII00.00000000=
4. 2^M-2= 2¹0= 1024
5. 256-248=8