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| Formulas Subnetting Clásico / VLSM | |
| **2N>=Cant. Subredes**  N representa los Bits que se Toman  de la porción de Host para la Red=1 | **2 H - 2=Cant. Host por Subred**  H representa los Bits Restantes de la  máscara que corresponde al Host=0 |

Red: 10.0.0.0 | Mascara: 255.0.0.0 | Subnet: 255.224.0.0 - /11

Cantidad de Subredes solicitadas: 5 (Posibles:8 | bits:3 | Salto: 32)

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| --- | --- | --- | --- |
| SubRed | 1° IP (red+1) | ultima IP (bc-1) | Broadcast (red proxima -1) |
| 10.0.0.0 | **10.0.0.1** | **10.31.255.254** | **10.31.255.255** |
| 10.32.0.0 | **10.32.0.1** | **10.63.255.254** | **10.63.255.255** |
| 10.64.0.0 | **10.64.0.1** | **10.95.255.254** | **10.95.255.255** |
| 10.96.0.0 | **10.96.0.1** | **10.127.255.254** | **10.127.255.255** |
| 10.128.0.0 | **10.128.0.1** | **10.159.255.254** | **10.159.255.255** |
| 10.160.0.0 | **10.160.0.1** | **10.191.255.254** | **10.191.255.255** |
| 10.192.0.0 | **10.192.0.1** | **10.223.255.254** | **10.223.255.255** |
| 10.224.0.0 | **10.224.0.1** | **10.255.255.254** | **10.255.255.255** |

Red: 172.16.0.0 | Mascara: 255.255.0.0 | Subnet: 255.255.240.0 - /20

Cantidad de Subredes solicitadas: 9 (Posibles:16 | bits:4 | Salto: 16)

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| --- | --- | --- | --- |
| SubRed | Primer IP | ultima IP | Broadcast |
| 172.16.0.0 | **172.16.0.1** | **172.16.15.254** | **172.16.15.255** |
| 172.16.16.0 | **172.16.16.1** | **172.16.31.254** | **172.1631.255** |
| 172.16.32.0 | **172.16.32.1** | **172.16.47.254** | **172.1647.255** |
| 172.16.48.0 | **172.16.48.1** | **172.16.63.254** | **172.1663.255** |
| 172.16.64.0 | **172.16.64.1** | **172.16.79.254** | **172.16.79.255** |
| 172.16.80.0 | **172.16.80.1** | **172.16.95.254** | **172.16.95.255** |
| 172.16.96.0 | **172.16.96.1** | **172.16.111.254** | **172.16.111.255** |
| 172.16.112.0 | **172.16.112.1** | **172.16.127.254** | **172.16.127.255** |
| 172.16.128.0 | **172.16.128.1** | **172.16.143.254** | **172.16.143.255** |
| 172.16.144.0 | **172.16.144.1** | **172.16.159.254** | **172.16.159.255** |
| 172.16.160.0 | **172.16.160.1** | **172.16.175.254** | **172.16.175.255** |
| 172.16.176.0 | **172.16.176.1** | **172.16.191.254** | **172.16.191.255** |
| 172.16.192.0 | **172.16.192.1** | **172.16.207.254** | **172.16.207.255** |
| 172.16.208.0 | **172.16.208.1** | **172.16.223.254** | **172.16.223.255** |
| 172.16.224.0 | **172.16.224.1** | **172.16.255.254** | **172.16.255.255** |

Red: 192.168.0.0 | Mascara: 255.255.255.0 | Subnet: 255.255.255.192 - /26

Cantidad de Subredes solicitadas: 4 (Posibles:4 | bits:2 | Salto: 64)

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| --- | --- | --- | --- |
| SubRed | Primer IP | ultima IP | Broadcast |
| 192.168.0.0 | **192.168.0.1** | **192.168.0.62** | **192.168.0.63** |
| 192.168.0.64 | **192.168.0.65** | **192.168.0.126** | **192.168.0.127** |
| 192.168.0.128 | **192.168.0.129** | **192.168.0.190** | **192.168.0.191** |
| 192.168.0.192 | **192.168.0.193** | **192.168.0.254** | **192.168.0.255** |

Red 1: 400 Host (29=512 -2) | Mascara: 255.255.0.0 | Subnet: 255.255.254.0

Red 3: 57 Host (26=64 -2) |Mascara:255.255.0.0 | Subnet:255.255.255.192

Red 2: 5 Host (23=8 -2) | Mascara:255.255.0.0 | Subnet:255.255.255.240

Clase B

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| SubRed | Primer IP | ultima IP | Broadcast |
| 172.16.0.0 | **172.16.0.1** | **172.16.1.254** | **172.16.1.255** |
| 172.16.2.0 | **172.16.2.1** | **172.16.2.62** | **172.16.2.63** |
| 172.16.2.64 | **172.16.2.65** | **172.16.2.70** | **172.16.2.71** |
| 172.16.2.72 |  |  |  |