**Fixed Length Subnet Mask (FLSM)**

NID: 172.16.10.0/24 Networks = 8

Old: 11111111.11111111.11111111.000000000 (255.255.255.0)

New: 11111111.11111111.11111111.11100000/27

255.255.255.224/27 j=2^5= 32

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Subnet | N.ID | F.IP | L.IP | B.IP |
| 1 | 172.16.10.0 | 172.16.10.1 | 172.16.10.30 | 172.16.10.31 |
| 2 | 172.16.10.32 | 172.16.10.33 | 172.16.10.62 | 172.16.10.63 |
| 3 | 172.16.10.64 | 172.16.10.65 | 172.16.10.94 | 172.16.10.95 |
| 4 | 172.16.10.96 | 172.16.10.97 | 172.16.10.126 | 172.16.10.127 |
| 5 | 172.16.10.128 | 172.16.10.129 | 172.16.10.158 | 172.16.10.159 |
| 6 | 172.16.10.160 | 172.16.10.161 | 172.16.10.190 | 172.16.10.191 |
| 7 | 172.16.10.192 | 172.16.10.193 | 172.16.10.222 | 172.16.10.223 |
| 8 | 172.16.10.224 | 172.16.10.225 | 172.16.10.254 | 172.16.10.255 |