8,000 RED: 172.16.0.0/13 4,000 172.16 000.0000000.00000000 n = 14 $2^{14} = 16384$ n = 5 $2^{5} = 32$ 0.00.00 -> 172.16.0.00 1 0.00.01 -> 172.16.0.04 172.23. 100 00000, 00000000 $\begin{vmatrix} 2^{m} = 250 & m=8 & 2^{8} = 256 \\ n=5 & 2^{5} = 32 \end{vmatrix}$ 00000 → 172.23.128.0 00001 → 172.23.129.0 /24 - D 250 HOST (GRANDA) → 172.23.159.0 -

10,000

SEGMENTO BRANCH.

```
\int_{1}^{0} \left| \begin{array}{c} 0 & 0 \\ 0 & 0 \end{array} \right| \xrightarrow{172.23.240.0} \left| \begin{array}{c} 21 \\ 0 & 0 \end{array} \right| = 172.23.248.0 \longrightarrow 1200 \text{ Host (Sales)} 
172.23.11110 \left| \begin{array}{c} 0 & 0 & 0.00000000 \end{array} \right| \xrightarrow{2^{m}} 450 \quad m = 9 \quad 2^{q} = 512 \quad n = 2 \quad 2^{2} = 4
                0 00 -> 172.23.240.0

1 01 -> 172.23.242.0

2 10 -> 172.23.244.0 -> 400 HOST (REDUCTION)

3 11 -> 172.23.246.0 -> 450 HOST (ACCONTING)
     172.23.1111001 0.00000000 2^{n} = 200 \quad n = 8 \quad n = 1 \quad 2^{n} = 2
0 00 -> 172.23.242.0

1 01 -> 172.23.242.64 /26

2 10 -> 172.23.242.128

3 11 -> 172.23.242.192 -> 45 HOST (NATIVE)
172.23.242.10 000000 2 = 20 m=S 25=32 n=1 2'=2
              0 0 0 - 172.23.242.128 /27
1 1 - 172.23.242.160 - 20 HOST (MANAGEMENT)
```

SECTION HQ

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172.23.160.0/19
                                2" = 3000
                                            M=12
 172.23.101 00000.00000000
                                    → 3000 HOST (LAN)
                                             m=11 n=1 2'=2
                                2<sup>7</sup> = 2000
            0 -> 172.23.180.0 /21
-> 172.23.168.0 -> 2000 HOST (SCAVER DHCP)
172.23.10100 000.0000000 2"= 100 m=7
                                              n=4 2°= 16
                       ► 172.23.160.0
                     → 172 23.160.128
                                       /25
                    - 172.23.167. O
        14
                     → 172.23.167,128 - 1000 HOST (LAN ADMIN)
                                m = 2 n = 3 2^{5} = 32
172.23.167.0 000000
                       -D172.23.167.0
                        DI72.23.167.4
                    -> 172.23.167. 120 } 4 HOUT (WAN)
```

```
172.23.176.0/20
  172.23.1011 0000.00000000 2"=1000 m=10 20=1024 n=2 2=4*
     0 00 - 172.23.176.0 /22

1 01 - 172.23.180.0 - 600 HOST (AccountING)

3 11 - 172.23.188.0 - 1000 HOST (SALES)
  172.23.101101 cp. 00000000 \ 2"= 300
                              m=9 29=512 n=1 2=2
        0 | 0 | - 172.23.180.0 /23
1 | 1 | - 172.23.182.0 - 300 HOST (HR)
  01 - 172.23.180.0 /26
        10 -= 172.23.180.128
11 -= 172.23.180.192 -= 60 HOUT (NATIVE)
```