

# Exercício Reto

Rede:

70.X.X.X/8  
~~70.X.X.X/8~~

ISP

R1

e

R2

R3

A

400

B

700

D

100

E

1000

F

3000

G

5000

Soluções:

$L1 = \{R1, A, B\} - TOT \rightarrow 1.407 \text{ host}$

$L2 = \{R1, e, R2\} - TOT \rightarrow 703 \text{ host}$

$L3 = \{R2, D\} - TOT \rightarrow 707 \text{ host}$

$L4 = \{R2, E\} - TOT \rightarrow 1.007 \text{ host}$

$L5 = \{R2, R3\} - TOT \rightarrow 2 \text{ host}$

$L6 = \{R1, A\} - TOT \rightarrow 407 \text{ host}$

$L7 = \{R3, F\} - TOT \rightarrow 3.007 \text{ host}$

$L8 = \{R3, G\} - TOT \rightarrow 5.007 \text{ host}$

$L7.0 = \{R2, A\}$

707 host

$L7.7 = \{R2, B\}$

1407 host



# Albero Distribuzione Indirizzi:

10.0.0.0/17

10.0.0.0/18

10.0.64.0/18  
(L8-16.384 host)

10.0.0.0/19

10.0.32.0/19  
(L7-8.732 host)

10.0.0.0/20

10.0.76.0/20  
(L7-4.086 host)

10.0.0.0/27

10.0.8.0/27  
(L4-2048 host)

10.0.0.0/22

~~10.0.76.0~~  
10.0.76.0/27  
10.0.4.0/22 (L7.0-707 host)  
(L2-7024 host)

10.0.0.0/23

10.0.2.0/23  
(L6-512 host)

10.0.24.0/27  
(L2.0-407 host)

10.0.0.0/24

10.0.1.0/24  
(L3-256 host)

10.0.0.0/25

10.0.0.728/25  
(L5-728 host)



L1.0 = {  
NET-ID: 10.0.16.0/27  
PRIMO HOST: 10.0.16.1  
GATEWAY: 10.0.23.253  
BROADCAST: 10.0.23.254

L1.1 = {  
NET-ID: 10.0.24.0/27  
PRIMO HOST: 10.0.24.1  
GATEWAY: 10.0.31.253  
BROADCAST: 10.0.31.254

L2 = {  
NET-ID: 10.0.4.0/22  
PRIMO HOST: 10.0.4.1  
GATEWAY: 10.0.7.253  
BROADCAST: 10.0.7.254

L3 = {  
NET-ID: 10.0.7.0/24  
PRIMO HOST: 10.0.7.1  
GATEWAY: 10.0.7.253  
BROADCAST: 10.0.7.254

L4 = {  
NET-ID: 10.0.8.0/27  
PRIMO HOST: 10.0.8.1  
GATEWAY: 10.0.15.253  
BROADCAST: 10.0.15.254



L5 =

NET-ID: 10.0.0.728/25  
PRIMO HOST: 10.0.0.729  
GATEWAY: 10.0.0.253  
BROADCAST: 10.0.0.254

L6 =

NET-ID: 10.0.2.0/23  
PRIMO HOST: 10.0.2.1  
GATEWAY: 10.0.3.253  
BROADCAST: 10.0.3.254

L4 =

NET-ID: 10.0.32.0/18  
PRIMO HOSTS: 10.0.32.1  
GATEWAY: 10.0.63.253  
BROADCAST: 10.0.63.254

L8 =

NET-ID: 10.0.64.0/18  
PRIMO HOST: 10.0.64.1  
GATEWAY: 10.0.727.253  
BROADCAST: 10.0.727.254