Subneteo red

Assigned network: 192.168.24.0

Host address requests:
– 16 addresses for range A
– 127 addresses for range B
– 30 addresses for range C
– 15 addresses for range D
– 63 addresses for range E
– 7 addresses for range F

Task: ordering requests from bigger to lower, and assigning IP addresses from lower to higher, divide the original set to satisfy all requests.

Paso 1: Ordenar de mayor a menor

B - 127

E - 63

C - 30

A - 16

D - 15

F - 7

Paso 2: Repartir las direcciones

A cada grupo le debemos dar un bloque de direcciones, en potencias de 2, además se le deben dar 2 extra, una para network address y otra para broadcast address.

Paso 3: Subnetear desde 192.168.24.0

Rango B
Tamaño del bloque 128
Network address:192.168.24.0
Broadcast address:192.168.24.127
Usables: 192.168.24.1 a 192.168.24.126

Rango E
Tamaño del bloque 64

Network address:192.168.24.128
Broadcast address:192.168.24.191
Usables: 192.168.24.129 a 192.168.24.190

Rango C
Tamaño del bloque 32
Network address:192.168.24.192
Broadcast address:192.168.24.223
Usables: 192.168.24.193 a 192.168.24.222

Rango A
Tamaño del bloque 32
Network address:192.168.24.224
Broadcast address:192.168.24.255
Usables: 192.168.24.225 a 192.168.24.254

SE LLEGA AL LÍMITE, 255, HACEMOS BRINCO DE 24 A 25:

Rango D
Tamaño del bloque 16
Network address:192.168.25.0
Broadcast address:192.168.25.15
Usables: 192.168.25.1 a 192.168.25.14

Rango F
Tamaño del bloque 8
Network address:192.168.25.16
Broadcast address:192.168.25.23
Usables: 192.168.25.17 a 192.168.25.22