### Datos:

Ip: 192.168.11.0 /24

Habitaciones:

16: 52 hosts

17: 72 hosts

18: 58 hosts

19: 46 hosts

20: 59 hosts

21: 60 hosts

### Habitaciones 16-18:

192.168.11.0 /24

52 hosts

72 hosts

58 hosts

Hosts: Máscara: Dr. red: Broadcast: Primera Ip válida: Última Ip válida:

72 hosts

58 hosts

52 hosts

2^n -2 => 72

2^7 -2 => 72

126 => 72

n = 7

n = 7

/24 /25 /26 /27 /28 /29 /30 /31

IIIIIII IIIIIIII IIIIIII I 0 0 0 0 0 0 0

Hosts: Máscara: Dr. red: Broadcast: Primera Ip válida: Ultima Ip válida:

72 hosts /25

58 hosts

52 hosts

1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 |

I 0 0 0 0 0 0 0

128 64 32 16 8 4 2 1 = 127

Hosts: Máscara: Dr. red: Broadcast: Primera Ip válida: Última Ip válida:

72 hosts /25 192.168.11.0 192.168.11.127 192.168.11.1 192.168.11.126

58 hosts

52 hosts

2^n -2 => 58

2^6 -2 => 58

62 => 58

6 => 58

/24 /25 /26 /27 /28 /29 /30 /31

IIIIIII IIIIIIII IIIIIII I I 0 0 0 0 0 0

Hosts: Máscara: Dr. red: Broadcast: Primera Ip válida: Última Ip válida:

72 hosts /25 192.168.11.0 192.168.11.127 192.168.11.1 192.168.11.126

58 hosts /26

52 hosts

1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 |

I I 0 0 0 0 0 0

128 64 32 16 8 4 2 1 = 63

Hosts: Máscara: Dr. red: Broadcast: Primera Ip válida: Última Ip válida:

72 hosts /25 192.168.11.0 192.168.11.127 192.168.11.1 192.168.11.126

58 hosts /26 192.168.11.128 192.168.11.191 192.168.11.129 192.168.11.190

52 hosts /26

2^n -2 => 58

2^6 -2 => 58

62 => 58

6 => 58

/24 /25 /26 /27 /28 /29 /30 /31

IIIIIII IIIIIIII IIIIIII I I 0 0 0 0 0 0

Hosts: Máscara: Dr. red: Broadcast: Primera Ip válida: Última Ip válida:

72 hosts /25 192.168.11.0 192.168.11.127 192.168.11.1 192.168.11.126

58 hosts /26 192.168.11.128 192.168.11.191 192.168.11.129 192.168.11.190

52 hosts /26

1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 |

I I 0 0 0 0 0 0

128 64 32 16 8 4 2 1 = 63

Hosts: Máscara: Dr. red: Broadcast: Primera Ip válida: Última Ip válida:

72 hosts /25 192.168.11.0 192.168.11.127 192.168.11.1 192.168.11.126

58 hosts /26 192.168.11.128 192.168.11.191 192.168.11.129 192.168.11.190

52 hosts /26 192.168.11.191 192.168.11.254 192.168.11.192 192.168.11.253