«Custom Subnet Masks» 12

Number of needed subnets 5

Network Address 218.35.50.0

Class C

Def sub mask 255.255.255.0

Custom sub mask 255.255.255.224

Total num of subnets 8

Num of usable addresses 30

Num of bits borrowed 3

«Subnetting» 9

Number of needed usable hosts 28

Address 172.50.0.0

Address class B

Default subnet mask 255.255.0.0

Custom subnet mask 255.255.255.224

Total number of subnets 2048

Total number of host addresses 32

Number of usable addresses 30

Number of bits borrowed 11

What is the 2-nd subnet range? 172.50.0.32-172.50.0.63

What is the subnet number for the 10th subnet? 172.50.1.32

What is the subnet broadcast address for the 4th subnet?172.50.1.125

What are the assignable addresses for the 6th subnet?

«PracticalSubnetting» 7

Address class B

Custom subnet mask 255.255.252.0

Minimum number of subnets needed 4

Extra subnets required for 125% growth 5

Total number of subnets needed 9

Number of host addresses in the largest subnet group 363

Number of addresses needed for125% growth in the largest subnet 454

Total number of address needed for the largest subnet

817

IP address range for Router A Port F0/0

177.135.0.0 to 177.135.3.255

IP address range for Research

177.135.4.0 to 177.135.7.255

IP address range for Deployment]

177.135.8.0 to 177.135.11.255

IP address range for Router A to Router B serial connection

177.135.12.0 to 177.135.15.255

«Valid and Non-Valid IP Addresses» 6

ok