Custom Subnet Masks

Problem 4

Number of needed subnets 6

Number of needed usable hosts 30

Network Address 195.85.8.0

Address class …………C………………………………………………….

Default subnet mask …255.255.255.0………………………………………

Custom subnet mask …255.255.255.254…………………………………

Total number of subnets ……8…………………………………………………………

Total number of host addresses …32…………………………………………………………….

Number of usable addresses ……30……………………………………………………

Number of bits borrowed ……3……………………………………………………

195 . 85 . 8 . 0 0 0 0 0 0 0 0

128 64 32 16 8 4 2 1 - Binary values

Number of

Subnets - 2 4 8 16 32 64 128 256

Number of

256 128 64 32 16 8 4 2 - Hosts