Custom Subnet Masks

Problem 7

Number of needed subnets 2000

Number of needed usable hosts 15

Network Address 178.100.0.0

Address class B

Default subnet mask 255. 255. O. O

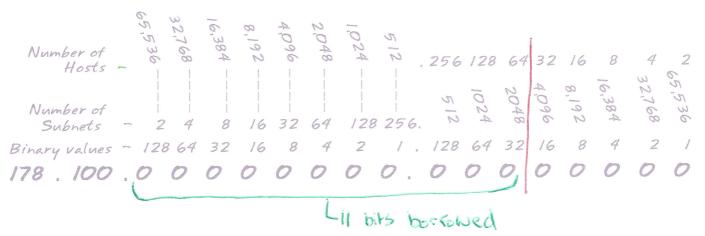
Custom subnet mask 255, 255, 255, 224

Total number of subnets 2048

Total number of host addresses 32

Number of bits borrowed ______

Show your work for Problem 7 in the space below.



Custom Subnet Mask: 128 128 64 64 64 32 16 221

Usable host: 32-2=30

total host: 32