Problem 3

Number of needed usable subnets 1

Network Address 195.223.50.0

Address class	
Default subnet mask	
Custom subnet mask	
Total number of subnets	_
Number of usable subnets	_
Total number of host addresses	_
Number of usable addresses	_
Number of bits borrowed	-
What is the 2nd usable subnet range?	
What is the subnet number for the 1st usable subnet?	
What is the subnet broadcast address for the 1st usable subnet?	
What are the assignable addresses for the 2nd usable subnet?	

Show your work for **Problem 3** in the space below.

Number of 256 128 64 32 16 8 4 2 - Hosts

Number of Subnets - 2 4 8 16 32 64 128 256

128 64 32 16 8 4 2 1 - Binary values

195. 223.50.00000000

Problem 4

Number of needed usable subnets **750**Network Address **190.35.0.0**

Default subnet mask Custom subnet mask Total number of subnets Number of usable subnets Total number of host addresses Number of usable addresses Number of bits borrowed What is the 14th usable subnet range? What is the subnet number for the 12th usable subnet? What is the subnet broadcast address for the 9th usable subnet? What are the assignable addresses for the 5th usable subnet?	Address class _	
Total number of subnets Number of usable subnets Total number of host addresses Number of usable addresses Number of bits borrowed What is the 14th usable subnet range? What is the subnet number for the 12th usable subnet? What is the subnet broadcast address for the 9th usable subnet? What are the assignable addresses for the 5th	Default subnet mask _	
Number of usable subnets Total number of host addresses Number of usable addresses Number of bits borrowed What is the 14th usable subnet range? What is the subnet number for the 12th usable subnet? What is the subnet broadcast address for the 9th usable subnet? What are the assignable addresses for the 5th	Custom subnet mask _	
Total number of host addresses Number of usable addresses Number of bits borrowed What is the 14th usable subnet range? What is the subnet number for the 12th usable subnet? What is the subnet broadcast address for the 9th usable subnet? What are the assignable addresses for the 5th	Total number of subnets _	
Number of usable addresses Number of bits borrowed What is the 14th usable subnet range? What is the subnet number for the 12th usable subnet? What is the subnet broadcast address for the 9th usable subnet? What are the assignable addresses for the 5th	Number of usable subnets _	
Number of bits borrowed What is the 14th usable subnet range? What is the subnet number for the 12th usable subnet? What is the subnet broadcast address for the 9th usable subnet? What are the assignable addresses for the 5th	Total number of host addresses	
What is the 14th usable subnet range? What is the subnet number for the 12th usable subnet? What is the subnet broadcast address for the 9th usable subnet? What are the assignable addresses for the 5th	Number of usable addresses _	
what is the subnet number for the 12th usable subnet? What is the subnet broadcast address for the 9th usable subnet? What are the assignable addresses for the 5th	Number of bits borrowed _	
for the 12th usable subnet? What is the subnet broadcast address for the 9th usable subnet? What are the assignable addresses for the 5th	subnet range?	
broadcast address for the 9th usable subnet? What are the assignable addresses for the 5th		
addresses for the 5th	broadcast address for	
	addresses for the 5th	

Show your work for **Problem 4** in the space below.

Problem 5

Number of needed usable hosts 6

Network Address 126.0.0.0

 Address class
 Default subnet mask
 Custom subnet mask
 Total number of subnets
 Number of usable subnets
 Total number of host addresses
 Number of usable addresses
 Number of bits borrowed
 What is the 1st usable subnet range?
 What is the subnet number
 What is the subnet broadcast address for the 6th usable subnet?
What are the assignable addresses for the 9th usable subnet?

Show your work for **Problem 5** in the space below.

Problem 6

Number of needed usable subnets 10
Network Address 192.70.10.0

Address class	
Default subnet mask	
Custom subnet mask	
Total number of subnets	
Number of usable subnets	
Total number of host addresses	
Number of usable addresses	
Number of bits borrowed	
What is the 8th usable subnet range?	
What is the subnet number for the 3rd usable subnet?	
What is the subnet broadcast address for the 11th usable subnet?	
What are the assignable addresses for the 9th	

Show your work for **Problem 6** in the space below.

Problem 7

Network Address 10.0.0.0 /16

Address class	
Default subnet mask	
Custom subnet mask	
Total number of subnets	
Number of usable subnets	
Total number of host addresses	
Number of usable addresses	
Number of bits borrowed	
What is the 10th usable subnet range?	
What is the subnet number for the 5th usable subnet?	
What is the subnet broadcast address for the 1st usable subnet?	
What are the assignable addresses for the 8th usable subnet?	

Show your work for **Problem 7** in the space below.

Problem 8

Number of needed usable subnets 4

Network Address 172.50.0.0

Default subnet mask	
Custom subnet mask	
Total number of subnets	
Number of usable subnets	
Total number of host addresses	
Number of usable addresses	
Number of bits borrowed	
What is the 3rd usable subnet range?	
What is the 3rd usable subnet range? What is the subnet number for the 4th usable subnet?	
Subnet range?	

Show your work for **Problem 8** in the space below.

Problem 9

Number of needed usable hosts 28
Network Address 172.50.0.0

Address class	
Default subnet mask	
Custom subnet mask	
Total number of subnets	
Number of usable subnets	
Total number of host addresses	
Number of usable addresses	
Number of bits borrowed	
What is the 1st usable subnet range?	
What is the subnet number for the 9th usable subnet?	
What is the subnet broadcast address for the 3rd usable subnet?	
What are the assignable addresses for the 5th usable subnet?	

Show your work for **Problem 9** in the space below.

Problem 10

Number of needed usable subnets 45
Network Address 220.100.100.0

Address class	
Default subnet mask	
Custom subnet mask	
Total number of subnets	
Number of usable subnets	
Total number of host addresses	
Number of usable addresses	
Number of bits borrowed	
What is the 4th usable subnet range?	
hat is the subnet number or the 3rd usable subnet?	
What is the subnet broadcast address for the 12th usable subnet?	
What are the assignable addresses for the 11th usable subnet?	

Show your work for **Problem 10** in the space below.

Problem 11

Number of needed usable hosts 8,000 Network Address 135.70.0.0

Address class	
Default subnet mask	
Custom subnet mask	
Total number of subnets	
Number of usable subnets	
Total number of host addresses	
Number of usable addresses	
Number of bits borrowed	
What is the 5th usable subnet range?	
What is the subnet number for the 6th usable subnet?	
What is the subnet broadcast address for the 2nd usable subnet?	
What are the assignable addresses for the 4th usable subnet?	

Show your work for <u>Problem 11</u> in the space below.

Problem 12

Number of needed usable hosts 45
Network Address 198.125.50.0

Default subnet mask	
Custom subnet mask	
Total number of subnets	
Number of usable subnets	
Total number of host addresses	
Number of usable addresses	
Number of bits borrowed	
What is the 1st usable subnet range?	
What is the subnet number for the 1st usable subnet?	
for the 1st usable subnet? What is the subnet broadcast address for	

Show your work for **Problem 12** in the space below.

Problem 13

Network Address 165.200.0.0 /26

Address cla	SS
Default subnet ma	sk
	sk
	ets
Number of usable subne	ets
Total number of host address	
	es
	ed
rianizar er zite zenren.	
What is the 9th usable subnet range?	
What is the subnet number for the 10th usable subnet?	
What is the subnet broadcast address for the 1022nd usable subnet?	
What are the assignable	
addresses for the 1021st usable subnet?	

Show your work for **Problem 13** in the space below.

Problem 14

Number of needed usable hosts 16

Network Address 200.10.10.0

 Address class
 Default subnet mask
Custom subnet mask
 Total number of subnets
 Number of usable subnets
 Total number of host addresses
 Number of usable addresses
 Number of bits borrowed
What is the 6th usable subnet range?
 What is the subnet number
 What is the subnet broadcast address for the 3rd usable subnet?
What are the assignable addresses for the 5th usable subnet?

Show your work for <u>Problem 14</u> in the space below.

Problem 15

Network Address 93.0.0.0 \19

Address cl	ass
Default subnet m	ask
Custom subnet m	ask
Total number of subr	nets
Number of usable subr	nets
Total number of host addres	ses
Number of usable addres	ses
Number of bits borrow	wed
What is the 14th usable subnet range?	
What is the subnet number for the 8th usable subnet?	
What is the subnet broadcast address for the 6th usable subnet?	
What are the assignable addresses for the 11th usable subnet?	