```
Assignment or
```

工业的工程的过去式和

W. Ollridge this

```
Q1
```

192.168.20-0 Network address

192-168-20-156

11000000.10101000.00010100.10011100

HILLIII. HILLIII. 1111111, 11000000

Subnet Mark

255. 255. 255.0

Broadcast Address

192.168.20.255

Number of Hosts

256-2 2254

Q2

Network address = 192.168.30.0

192.168.30.134

11000 000 . 10101000 . 00011110 . 10000 110

Subnet mark

155. 255. 255.0

Broadcast Address

192.166.30.255

Number of Hosts

256-2 2254

@ 192.160.20.0/22

(1) Network Address

11000 000 . 101000 00 . 00010100 . 0000 0000 192.160.20.0

(ii) Broadcast Address

11000 000 · 101 00000 · 000 10 111 . 1 1 1 1 1 1 1 1

192.160.23.255

(in') NO Of Hosts

210-2 21024 -2

```
(iv) Ip address range
  192.160.20.0-192.160.23.255
(V) Subnet
       Mask
 255. 255.252.0
(b) subnet for the 500 Hosts
                    (iii) Broadcast Address
             2510 Hosts 11000000 10100000 .00010101 . 1111111
                           192.160.21.255
(i) Subnet mask
   [111111.1111.111111.11111110,0000000
    255.255.254.0
(ii) Network address
 110000005.10100000.00010101.1111111
        192.160.21.255
  Subnet for the 200 Hosts
      28 - 2 = 256 - 2
            254 Hosts
 (1) subnet mask
155.255.255.0
 (ii) Network address
  11000000 . 10 100000 . 000 10 110 . 0000 0000
       192.160.22.0
 (iii) Broadcast Address
```

192.160 . 22. 255

Subnet for 120 Hosts

27-2=128-2 = 126 Hosts

(1) subnet mask 11111111.11111111.1111111.10000000 255.255.255.128

avituvitani

C) Subnet A

192.160.20.1 to 192.160.21.254

Subnet B

192.160.22.1 to 192.160.23.254

Subnet C

192.160.23.1 to 192.160.23.126

DREmaining address space

192.160.23.128/25

Brodcast Address
192.160.23.255

Subnet math
255.255.255.128

Subnet Size
128 IP address
Next Largest subnet
192.160.23.128

Network address
192.160.23.128

(e)
Total used addresser = 510 + 254 + 126

= 890

Remaining IP addresse = 1022 - 890

= 134