Network address=192.16.8.40.0

No. of Subnets=2

2^n=no. of subnets=====2^n=2

**N=1**

255.255.255.255

11111111. 11111111. 11111111. 10000000

255.255.255.128==🡺subnet mask

1st Subnet

Subnet mask= 255.255.255.128

Network ID=192.168.40.0

Range of Valid Host=192.168.40.1-192.168.40.126

Broadcast ID=192.168.40.127

2nd Subnet

Subnet mask= 255.255.255.128

Network ID=192.168.40.128

Range of Valid Host=192.168.40.129-192.168.40.254

Broadcast ID=192.168.40.255