IP subnetting

1) 192.168.1.55/26 255.255.255.192

Is this a wable host address 9.

Lolo 126 is the mask and put 26's one's.

* and Convert it into decimal.

1111111 - 1111111 - 11000000 255.255.255.192.

* Next is to find the magic number. so subtract with 256. with 192.

256 -192 -64

* Here 256 is 28=256.(0-255)

192 is the mask's 4th octet because it is neither 0 or 255.

*. Now find the first address.

192.168.1.0 -

192.168.1.64

192.168.1.128

192.168.1.192

X (192.168.1.256) > It is Exceeding 255 So. Subtract again with 64

- Dubnetworks 2 2 2 4 (two 1's are present in the 4th Octet of the mask).
- (A) Hosts = 26 = 64
- → Next are will find the no of Submetaworks

 From Early MW address which are listed above.

 Jost (BC)

 192-168.1.0 192.168.1.63 (192.168.1.1-192.168.1.62)

 192.168.1.64 192.168.1.127 (192.168.1.65-192.168.1.126)

 192.168.1.128 192.168.1.191 (192.168.1.129-192.168.1.126)

 192.168.1.128 192.168.1.255 (192.168.1.129-192.168.1.29)