Network: 124.179.28.0

Netmask: 255.255.255.0 (/24)

N1: 44 IP’s

N2: 24 IP's

N3: 12 IP's

N4: 16 IP's

N5: 4 IP's

N123: 3 IPs

Networks masks:

\*LAN1: 44 +2 = 46< 64 = 2^6 🡪(32-6) = /26

\*LAN2: 24 +2 = 26< 32 = 2^5 🡪(32-5) = /27

\*LAN3: 12 +2 = 14< 16 = 2^4 🡪(32-4) = /28

\*LAN4: 16+2 = 18 < 32 = 2^5 🡪(32-5) = /27

\*LAN5: 4+2 < 8 = 2^3 🡪(32-3) =/29

\*N123: 2+3 = 5 < 8 = 2^3 🡪 (32-3) = /29

\*N34: 2+2 = 4 <= 4 = 2^2 🡪 (32-2) = /30

\*N45: 2+2 = 4 <= 4 = 2^2 🡪 (32-2) = /30

NETWORK AND BROADCAST ADDRESSES

\*LAN1 : NA = 124.179.28.0/26

BA = 124.179.28.0 + 64 -1 = 124.179.28.63

\*LAN2: NA = 124.179.28.64/27

BA = 124.179.28.64 + 32 -1= 124.179.28.95

\*LAN3: NA= 124.179.28.96/28

BA= 124.179.28.96 + 16-1 = 124.179.28.111

\*LAN4: NA = 124.179.28.112/27

BA = 124.179.28.112+ 32-1 = 124.179.28.143

\*LAN5: NA = 124.179.28.144/29

BA = 124.179.28.144 + 8-1 = 124.179.28.151

\*N123: NA = 124.179.28.152 /29

BA = 124.179.28.152 + 8 -1= 124.179.28.159

\*N34: NA = 124.179.28.160/30

BA = 124.179.28.160 + 4-1 = 124.179.28.163

\*N45: NA = 124.179.28.164/30

BA = 124.179.28.164+4-1 = 124.179.28.167

NETMASKS:

/26 = 255.255.255.192

/27 = 255.255.255.224

/28 = 255.255.255.240

/29 = 255.255.255.248

/30 = 255.255.255.252