Major network: 172.10.0.0/16

LAN A: 1600 hosts

Numbers of host bits: 2^x >= 1602 => x = 11

Subnet: /21

Network address 172.10.0.0/21

Broadcast address 172.10.7.255/21

Usable range 172.10.0.1/21 – 172.10.7.254/21

LAN D: 700 hosts

Number of host bits: 2^x>= 702 => x = 10

Subnet: /22

Network address 172.10.8.0/22

Broadcast address 172.10.11.255/22

Usable range 172.10.8.1/22 – 172.10.11.254/22

LAN B: 300 hosts

Number of host bits: 2^x>= 302 => x = 9

Subnet: /23

Network address: 172.10.12.0/23

Broadcast address: 172.10.13.255/23

Usable range: 172.10.12.1/23 – 172.10.13.254/23

LAN C: 50 hosts

Number of host bits: 2^x>= 52 => x = 6

Subnet: /26

Network address: 172.10.14.0/26

Broadcast address: 172.10.14.63/26

Usable range: 172.10.14.1/26 – 172.10.14.62/26

LAN E: 20 hosts

Number of host bits: 2^x>= 22 => x = 5

Subnet: /27

Network address: 172.10.14.64/27

Broadcast address: 172.10.14.95 /27

Usable range: 172.10.14.65/27 – 172.10.14.94/27

Link 1: 2 host

Number of host bits: 2^x>= 4 => x = 2

Subnet: /30

Network address: 172.10.14.96/30

Broadcast address: 172.10.14.99 /30

Usable range: 172.10.14.97/30 – 172.10.14.98/30

Serial 2: 2 host

Number of host bits: 2^x>= 4 => x = 2

Subnet: /30

Network address: 172.10.14.100/30

Broadcast address: 172.10.14.103 /30

Usable range: 172.10.14.101/30 – 172.10.14.102/30