A screenshot of a computer network

Description automatically generated

32 + 32 + 16 + 16 + 8 + 8 + 4 + 4 + 4+ 4 = 128

[0…127]

[0…63] [64…127]

[0…31] [32…63] [64…95] [96...127]

[0…31] [32…63] [64…79] [80…95] [96…111] [112…127]

[0…31] [32…63] [64…79] [80…95] [96…103] [104…111] [112…119] [120…127]

[0…31] [32…63] [64…79] [80…95] [96…103]; [104…111] [112…115] [116…119] [120…123] [124…127]

/25 => 128 IP addresses

N devices + 1 Router + 1 NA + 1 BA => n+3

N1: 24 + 3 = 27 < 32 ;/27

N2: 24 + 3 = 27 < 32 ;/27

N3: 6 + 3 = 9 < 16; /28

N4: 8 + 3 = 11 < 16; /28

N5: 2 + 3 = 5 < 8; / 29

N123: 3 + 2 = 5 < 8; /29

N45: 2 + 2 = 4; /30

N14: 2 + 2 =4; /30

N34: 2 + 2 = 4; /30

N5w: 2 + 2 = 4; /30

N123: 3IP

N45: 2 IP

N14: 2 IP

N34: 2 IP

N5w: 2IP