**Class A N.H.H.H**

**Class B N.N.H.H**

**Class C N.N.N.H**

**7 department 7 LAN/VPC ~300 host**

**148.37.0.0 —---> 1 network 2^16 - 2 = 65534 Host**

**10010100.00100101.00010000.00000000 148.37.16.0**

**10010100.00100101.00100000.00000000 148.37.32.0**

**10010100.00100101.00110000.00000000 148.37.48.0**

**10010100.00100101.01000000.00000000 148.37.64.0**

**10010100.00100101.01010000.00000000 148.37.80.0**

**10010100.00100101.01100000.00000000 148.37.96.0**

**10010100.00100101.01110000.00000000 148.37.112.0**

**10010100.00100101.10000000.00000000 148.37.128.0**

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**10010100.00100101.11100000.00000000 148.37.224.0**

**10010100.00100101.11110000.00000000 148.37.240.0**

**LAN/VPC-1**

**10010100.00100101.00010000.00000000 148.37.16.0 L/B**

**10010100.00100101.00010000.00000001 148.37.16.1**

**10010100.00100101.00010000.00000010 148.37.16.2**

**10010100.00100101.00010000.00000011 148.37.16.3**

**10010100.00100101.00010000.00000100 148.37.16.4**

**10010100.00100101.00010000.00000101 148.37.16.5**

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**10010100.00100101.00010000.11111111 148.37.16.255**

**10010100.00100101.00010001.00000000 148.37.17.0**

**10010100.00100101.00010001.00101101 148.37.17.45**

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**10010100.00100101.00011111.11111111 148.37.31.255 B/C**

**LAN/VPC-2**

**10010100.00100101.00100000.00000000 148.37.32.0 L/B**

**10010100.00100101.00100000.00000001 148.37.32.1**

**10010100.00100101.00100000.00000010 148.37.32.2**

**10010100.00100101.00100000.00000011 148.37.32.3**

**10010100.00100101.00100000.00000100 148.37.32.4**

**10010100.00100101.00100000.00000101 148.37.32.5**

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**10010100.00100101.00100000.11111111 148.37.32.255**

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**10010100.00100101.00101111.11111111 148.37.47.255 B/C**

**148.37.56.25 - 255.255.240.0**

**11111111.11111111.11110000.00000000**

**Subnet mask**

**10010100.00100101.00111000.00011001 Logical AND boolean**

**11111111.11111111.11110000.00000000**

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**10010100.00100101.00110000.00000000 148.37.48.0**

**T T : T**

**T F : F**

**F F : F**

**F T : F**

**CIDR: ClassLESS InterDomain Routing**

**148.37.56.25 /20 CIDR Gösterimi**

**148.37.56.25 - 255.255.240.0**