IPv4 VLSM Addressing Worksheet

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 256 | 128 | 64 | 32 | 16 | 8 | 4 | 2 | # of Hosts |
| # of Subnets | 2 | 4 | 8 | 16 | 32 | 64 | 128 | 256 |  |
|  | 128 | 64 | 32 | 16 | 8 | 4 | 2 | 1 | Binary Values |
| Mask | 128 | 192 | 224 | 240 | 248 | 252 | 254 | 255 |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **# Hosts** | **Block** **Size** | **Subnet Address** | **Mask (/X)** | **Broadcast Address** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |