|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Netmask** | **Netmask (binary)** | **Network size** | **Network start address** | **Network end address** |
| 255.255.0.0 | 11111111 11111111 00000000 00000000 |  | 192.32.0.0 | 192.32.255.255 |
| 255.255.128.0 | 11111111 11111111 10000000 00000000 |  | 192.32.0.0 | 192.32.127.255 |
| 255.255.192.0 | 11111111 11111111 11000000 00000000 |  | 192.32.0.0 | 192.32.63.255 |
| 255.255.224.0 | 11111111 11111111 11100000 00000000 |  | 192.32.0.0 | 192.32.31.255 |
| 255.255.240.0 | 11111111 11111111 11110000 00000000 |  | 192.32.0.0 | 192.32.15.255 |
| 255.255.248.0 | 11111111 11111111 11111000 00000000 |  | 192.32.8.0 | 192.32.15.255 |
| 255.255.252.0 | 11111111 11111111 11111100 00000000 |  | 192.32.12.0 | 192.32.15.255 |
| 255.255.254.0 | 11111111 11111111 11111110 00000000 |  | 192.32.14.0 | 192.32.15.255 |
| 255.255.255.0 | 11111111 11111111 11111111 00000000 |  | 192.32.15.0 | 192.32.15.255 |
| 255.255.255.128 | 11111111 11111111 11111111 10000000 |  | 192.32.15.0 | 192.32.15.127 |
| 255.255.255.192 | 11111111 11111111 11111111 11000000 |  | 192.32.15.0 | 192.32.15.63 |
| 255.255.255.224 | 11111111 11111111 11111111 11100000 |  | 192.32.15.0 | 192.32.15.31 |
| 255.255.255.240 | 11111111 11111111 11111111 11110000 |  | 192.32.15.0 | 192.32.15.15 |
| 255.255.255.248 | 11111111 11111111 11111111 11111000 |  | 192.32.15.0 | 192.32.15.7 |
| 255.255.255.252 | 11111111 11111111 11111111 11111100 |  | 192.32.15.0 | 192.32.15.3 |
| 255.255.255.254 | 11111111 11111111 11111111 11111110 |  | 192.32.15.0 | 192.32.15.1 |
| 255.255.255.255 | 11111111 11111111 11111111 11111111 |  | 192.32.15.1 | 192.32.15.1 |

Sally is on an ethernet LAN. Her IP address is 192.32.15.1 (11000000 00100000 00001111 00000001)

Jim's address is 192.32.15.245

Sue's is 192.32.15.9

Alice's is 192.32.15.3