For cse, bba:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Network Address | Network bit | Mask | Usable Range | Broadcast |
| bba | 192.168.1.0 | /28 | 255.255.255.240 | 192.168.1.1 - 192.168.1.14 | 192.168.1.15 |
| cse | 192.168.1.16 | /28 | 255.255.255.240 | 192.168.1.17 - 192.168.1.30 | 192.168.1.31 |

For servers:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Network Address | Network bit | Mask | Usable Range | Broadcast |
| Uap site | 192.168.3.0 | /29 | 255.255.255.248 | 192.168.3.1 - 192.168.3.6 | 192.168.3.7 |
| Gov. | 192.168.3.8 | /29 | 255.255.255.248 | 192.168.3.9 - 192.168.3.14 | 192.168.3.15 |

For routers:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name | Hosts | Network Address | Network bit | Mask | Usable Range | Broadcast |
| r0-r1 | 2 | 192.168.2.0 | /30 | 255.255.255.252 | 192.168.2.1 - 192.168.2.2 | 192.168.2.3 |
| r0-r9 | 2 | 192.168.2.4 | /30 | 255.255.255.252 | 192.168.2.5 - 192.168.2.6 | 192.168.2.7 |
| r1-r2 | 2 | 192.168.2.8 | /30 | 255.255.255.252 | 192.168.2.9 - 192.168.2.10 | 192.168.2.11 |
| r9-r8 | 2 | 192.168.2.12 | /30 | 255.255.255.252 | 192.168.2.13 - 192.168.2.14 | 192.168.2.15 |
| r1-r7 | 2 | 192.168.2.16 | /30 | 255.255.255.252 | 192.168.2.17 - 192.168.2.18 | 192.168.2.19 |
| r9-r3 | 2 | 192.168.2.20 | /30 | 255.255.255.252 | 192.168.2.21 - 192.168.2.22 | 192.168.2.23 |
| r2-r8 | 2 | 192.168.2.24 | /30 | 255.255.255.252 | 192.168.2.25 - 192.168.2.26 | 192.168.2.27 |
| r2-r3 | 2 | 192.168.2.28 | /30 | 255.255.255.252 | 192.168.2.29 - 192.168.2.30 | 192.168.2.31 |
| r8-r7 | 2 | 192.168.2.32 | /30 | 255.255.255.252 | 192.168.2.33 - 192.168.2.34 | 192.168.2.35 |
| r3-r4 | 2 | 192.168.2.36 | /30 | 255.255.255.252 | 192.168.2.37 - 192.168.2.38 | 192.168.2.39 |
| r7-r6 | 2 | 192.168.2.40 | /30 | 255.255.255.252 | 192.168.2.41 - 192.168.2.42 | 192.168.2.43 |
| r7-r4 | 2 | 192.168.2.44 | /30 | 255.255.255.252 | 192.168.2.45 - 192.168.2.46 | 192.168.2.47 |
| r4-r5 | 2 | 192.168.2.48 | /30 | 255.255.255.252 | 192.168.2.49 - 192.168.2.50 | 192.168.2.51 |
| r6-r5 | 2 | 192.168.2.52 | /30 | 255.255.255.252 | 192.168.2.53 - 192.168.2.54 | 192.168.2.55 |
| r2-r6 | 2 | 192.168.2.56 | /30 | 255.255.255.252 | 192.168.2.57 - 192.168.2.58 | 192.168.2.59 |

For DNS:

Network address 192.168.1.34/28

DNS ip: 192.168.1.36