**Subnetting Successful**

Major Network: **192.168.37.0/24**  
Available IP addresses in major network: **254**  
Number of IP addresses needed: **63**  
Available IP addresses in allocated subnets: **94**  
About **44%** of available major network address space is used  
About **67%** of subnetted network address space is used

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Subnet Name** | **Needed Size** | **Allocated Size** | **Address** | **Mask** | **Dec Mask** | **Assignable Range** | **Broadcast** |
| **A** | 15 | 30 | 192.168.37.0 | /27 | 255.255.255.224 | 192.168.37.1 - 192.168.37.30 | 192.168.37.31 |
| **B** | 10 | 14 | 192.168.37.32 | /28 | 255.255.255.240 | 192.168.37.33 - 192.168.37.46 | 192.168.37.47 |
| **C** | 10 | 14 | 192.168.37.48 | /28 | 255.255.255.240 | 192.168.37.49 - 192.168.37.62 | 192.168.37.63 |
| **D** | 10 | 14 | 192.168.37.64 | /28 | 255.255.255.240 | 192.168.37.65 - 192.168.37.78 | 192.168.37.79 |
| **E** | 10 | 14 | 192.168.37.80 | /28 | 255.255.255.240 | 192.168.37.81 - 192.168.37.94 | 192.168.37.95 |
| **F** | 2 | 2 | 192.168.37.96 | /30 | 255.255.255.252 | 192.168.37.97 - 192.168.37.98 | 192.168.37.99 |
| **G** | 2 | 2 | 192.168.37.100 | /30 | 255.255.255.252 | 192.168.37.101 - 192.168.37.102 | 192.168.37.103 |
| **H** | 2 | 2 | 192.168.37.104 | /30 | 255.255.255.252 | 192.168.37.105 - 192.168.37.106 | 192.168.37.107 |
| **I** | 2 | 2 | 192.168.37.108 | /30 | 255.255.255.252 | 192.168.37.109 - 192.168.37.110 | 192.168.37.111 |