### Вариант 4.

**Пул адресов для распределения** 192.168.0.0/18

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Требуемое число узлов | **Адрес подсети**  **(Net)** | **/ префикс** | **Кол-во Host** | **Первый адрес подсети**  **(First)** | **Последний адрес подсети**  **(Last)** | **Широковещательная рассылка**  **(Broadcast)** |
| **100** | 192.168.7.0 | 25 | 126 | 192.168.7.1 | 192.168.7.126 | 192.168.7.127 |
| 11000000.10101000.00000111.00000000 | | 11000000.10101000.00000111.00000001 | | 11000000.10101000.00000111.01111110 | 11000000.10101000.00000111.01111111 |
| **300** | 192.168.4.0 | 23 | 510 | 192.168.4.1 | 192.168.5.254 | 192.168.5.255 |
| 11000000.10101000.00000100.00000000 | | 11000000.10101000.00000100.00000001 | | 11000000.10101000.00000101.11111110 | 11000000.10101000.00000101.11111111 |
| **250** | 192.168.6.0 | 24 | 254 | 192.168.6.1 | 192.168.6.254 | 192.168.6.255 |
| 11000000.10101000.00000110.00000000 | | 11000000.10101000.00000110.00000001 | | 11000000.10101000.00000110.11111110 | 11000000.10101000.00000110.11111111 |
| **600** | 192.168.0.0 | 22 | 1022 | 192.168.0.1 | 192.168.3.254 | 192.168.3.255 |
| 11000000.10101000.00000000.00000000 | | 11000000.10101000.00000000.00000001 | | 11000000.10101000.00000011.11111110 | 11000000.10101000.00000011.11111111 |
| **2** | 192.168.7.128 | 30 | 2 | 192.168.7.129 | 192.168.7.130 | 192.168.7.131 |
| 11000000.10101000. 00000111.10000000 | | 11000000.10101000. 00000111.10000001 | | 11000000.10101000. 00000111.10000010 | 11000000.10101000. 00000111.10000011 |
| **2** | 192.168.7.132 | 30 | 2 | 192.168.7.133 | 192.168.7.134 | 192.168.7.135 |
| 11000000.10101000. 00000111.10000100 | | 11000000.10101000. 00000111.10000101 | | 11000000.10101000. 00000111.10000110 | 11000000.10101000. 00000111.10000111 |