

VLSM/Network address table:

Name	Hosts Needed	Hosts Available	Unused Hosts	Network Address	Mask
Marder	5000	8190	3190	173.168.0.0/19	255.255.224.0
Cardolan	1022	1022	0	173.168.32.0/22	255.255.252.0
Eriador	1020	1022	2	173.168.36.0/22	255.255.252.0
Arnor	1022 511	1022	511	173.168.40.0/22	255.255.252.0
The Shire	254	254	0	173.168.44.0/24	255.255.255.0
Gondor	254 127	254	127	173.168.45.0/24	255.255.255.0
Rohan	30	30	0	173.168.46.0/27	255.255.255.224
Lan 1	2	2	0	173.168.46.32/30	255.255.255.252
Lan 2	2	2	0	173.168.46.36/30	255.255.255.252
Lan 3	2	2	0	173.168.46.40/30	255.255.255.252
Lan 4	2	2	0	173.168.46.44/30	255.255.255.252
Lan 5	2	2	0	173.168.46.48/30	255.255.255.252
Lan 6	2	2	0	173.168.46.52/30	255.255.255.252
Lan 7	2	2	0	173.168.46.56/30	255.255.255.252