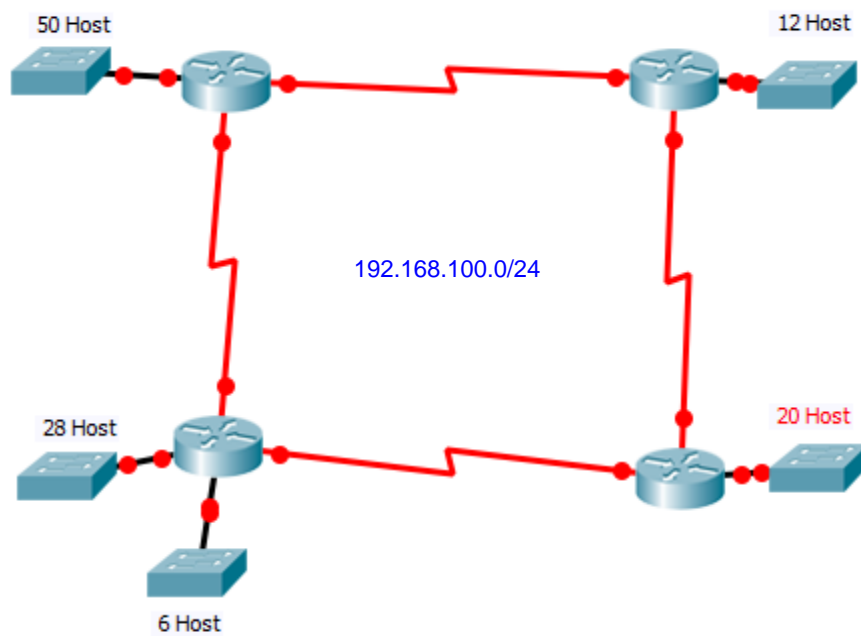


VLSM (Variable Length Subnet Mask)



From Large to small Network

S.L	Host	IP Need	Block Size	Prefix	Subnet Mask	Wild Mask	Range	Network IP	1 st Usable IP	Last Usable IP	Broadcast IP
1	50	52	64	/26	255.255.255.192	0.0.0.63	0-63	192.168.100.0	192.168.100.1	192.168.100.62	192.168.100.63
2	28	30	32	/27	255.255.255.224	0.0.0.31	64-95	192.168.100.64	192.168.100.65	192.168.100.94	192.168.100.95
3	20	22	32	/27	255.255.255.224	0.0.0.31	96-127	192.168.100.96	192.168.100.97	192.168.100.126	192.168.100.127
4	12	14	16	/28	255.255.255.240	0.0.0.15	128-143	192.168.100.128	192.168.100.129	192.168.100.142	192.168.100.143
5	6	8	8	/29	255.255.255.248	0.0.0.7	144-151	192.168.100.144	192.168.100.145	192.168.100.150	192.168.100.151
6	2	4	4	/30	255.255.255.252	0.0.0.3	152-155	192.168.100.152	192.168.100.153	192.168.100.154	192.168.100.155
7	2	4	4	/30	255.255.255.252	0.0.0.3	156-159	192.168.100.156	192.168.100.157	192.168.100.158	192.168.100.159
8	2	4	4	/30	255.255.255.252	0.0.0.3	160-163	192.168.100.160	192.168.100.161	192.168.100.162	192.168.100.163
9	2	4	4	/30	255.255.255.252	0.0.0.3	164-167	192.168.100.164	192.168.100.165	192.168.100.166	192.168.100.167

From small to large network

S.L	Host	IP Need	Block Size	Prefix	Subnet Mask	Wild Mask	Range	Network IP	1 st Usable IP	Last Usable IP	Broadcast IP
1	2	4	4	/30	255.255.255.252	0.0.0.3	0-3	192.168.100.0	192.168.100.1	192.168.100.2	192.168.100.3
2	2	4	4	/30	255.255.255.252	0.0.0.3	4-7	192.168.100.4	192.168.100.5	192.168.100.6	192.168.100.7
3	2	4	4	/30	255.255.255.252	0.0.0.3	8-11	192.168.100.8	192.168.100.9	192.168.100.10	192.168.100.11
4	2	4	4	/30	255.255.255.252	0.0.0.3	12-15	192.168.100.12	192.168.100.13	192.168.100.14	192.168.100.15
5	6	8	8	/29	255.255.255.248	0.0.0.7	16-23	192.168.100.16	192.168.100.17	192.168.100.22	192.168.100.23
6	12	14	16	/28	255.255.255.240	0.0.0.15	32-47	192.168.100.32	192.168.100.33	192.168.100.46	192.168.100.47
7	20	22	32	/27	255.255.255.224	0.0.0.31	64-95	192.168.100.64	192.168.100.65	192.168.100.94	192.168.100.95
8	28	30	32	/27	255.255.255.224	0.0.0.31	96-127	192.168.100.96	192.168.100.97	192.168.100.126	192.168.100.127
9	50	52	64	/26	255.255.255.192	0.0.0.63	128-191	192.168.100.128	192.168.100.129	192.168.100.190	192.168.100.191