

Subnetting Successful

Major Network: **192.56.128.0/18**

Available IP addresses in major network: **16382**

Number of IP addresses needed: **519**

Available IP addresses in allocated subnets: **670**

About **4%** of available major network address space is used

About **77%** of subnetted network address space is used

Subnet Name	Needed Size	Allocated Size	Address	Mask	Dec Mask	Assignable Range	Broadcast
A	100	126	192.56.128.0	/25	255.255.255.128	192.56.128.1 - 192.56.128.126	192.56.128.127
B	100	126	192.56.128.128	/25	255.255.255.128	192.56.128.129 - 192.56.128.254	192.56.128.255
C	100	126	192.56.129.0	/25	255.255.255.128	192.56.129.1 - 192.56.129.126	192.56.129.127
D	100	126	192.56.129.128	/25	255.255.255.128	192.56.129.129 - 192.56.129.254	192.56.129.255
E	11	14	192.56.130.0	/28	255.255.255.240	192.56.130.1 - 192.56.130.14	192.56.130.15
F	9	14	192.56.130.16	/28	255.255.255.240	192.56.130.17 - 192.56.130.30	192.56.130.31
G	9	14	192.56.130.32	/28	255.255.255.240	192.56.130.33 - 192.56.130.46	192.56.130.47
H	9	14	192.56.130.48	/28	255.255.255.240	192.56.130.49 - 192.56.130.62	192.56.130.63
I	9	14	192.56.130.64	/28	255.255.255.240	192.56.130.65 - 192.56.130.78	192.56.130.79
J	8	14	192.56.130.80	/28	255.255.255.240	192.56.130.81 - 192.56.130.94	192.56.130.95
K	7	14	192.56.130.96	/28	255.255.255.240	192.56.130.97 - 192.56.130.110	192.56.130.111
L	6	6	192.56.130.112	/29	255.255.255.248	192.56.130.113 - 192.56.130.118	192.56.130.119
M	5	6	192.56.130.120	/29	255.255.255.248	192.56.130.121 - 192.56.130.126	192.56.130.127
N	5	6	192.56.130.128	/29	255.255.255.248	192.56.130.129 -	192.56.130.135

						192.56.130.134	
O	3	6	192.56.130.136	/29	255.255.255.248	192.56.130.137 - 192.56.130.142	192.56.130.143
P	3	6	192.56.130.144	/29	255.255.255.248	192.56.130.145 - 192.56.130.150	192.56.130.151
Q	3	6	192.56.130.152	/29	255.255.255.248	192.56.130.153 - 192.56.130.158	192.56.130.159
R	2	2	192.56.130.160	/30	255.255.255.252	192.56.130.161 - 192.56.130.162	192.56.130.163
S	2	2	192.56.130.164	/30	255.255.255.252	192.56.130.165 - 192.56.130.166	192.56.130.167
Subnet027	2	2	192.56.130.168	/30	255.255.255.252	192.56.130.169 - 192.56.130.170	192.56.130.171
Subnet028	2	2	192.56.130.172	/30	255.255.255.252	192.56.130.173 - 192.56.130.174	192.56.130.175
Subnet029	2	2	192.56.130.176	/30	255.255.255.252	192.56.130.177 - 192.56.130.178	192.56.130.179
Subnet030	2	2	192.56.130.180	/30	255.255.255.252	192.56.130.181 - 192.56.130.182	192.56.130.183
Subnet031	2	2	192.56.130.184	/30	255.255.255.252	192.56.130.185 - 192.56.130.186	192.56.130.187
Subnet032	2	2	192.56.130.188	/30	255.255.255.252	192.56.130.189 - 192.56.130.190	192.56.130.191
Subnet033	2	2	192.56.130.192	/30	255.255.255.252	192.56.130.193 - 192.56.130.194	192.56.130.195
T	2	2	192.56.130.196	/30	255.255.255.252	192.56.130.197 - 192.56.130.198	192.56.130.199
U	2	2	192.56.130.200	/30	255.255.255.252	192.56.130.201 - 192.56.130.202	192.56.130.203
V	2	2	192.56.130.204	/30	255.255.255.252	192.56.130.205 - 192.56.130.206	192.56.130.207

W	2	2	192.56.130.208	/30	255.255.255.252	192.56.130.209 - 192.56.130.210	192.56.130.211
X	2	2	192.56.130.212	/30	255.255.255.252	192.56.130.213 - 192.56.130.214	192.56.130.215
Y	2	2	192.56.130.216	/30	255.255.255.252	192.56.130.217 - 192.56.130.218	192.56.130.219
Z	2	2	192.56.130.220	/30	255.255.255.252	192.56.130.221 - 192.56.130.222	192.56.130.223

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