

## Subnetting Successful

Major Network: **9.0.0.0/13**

Available IP addresses in major network: **524286**

Number of IP addresses needed: **291448**

Available IP addresses in allocated subnets: **383390**

About **73%** of available major network address space is used

About **76%** of subnetted network address space is used

Subnet Name	Needed Size	Allocated Size	Address	Mask	Dec Mask	Assignable Range	Broadcast
<b>E</b>	109020	131070	9.0.0.0	/15	255.254.0.0	9.0.0.1 - 9.1.255.254	9.1.255.255
<b>F</b>	79522	131070	9.2.0.0	/15	255.254.0.0	9.2.0.1 - 9.3.255.254	9.3.255.255
<b>A</b>	64183	65534	9.4.0.0	/16	255.255.0.0	9.4.0.1 - 9.4.255.254	9.4.255.255
<b>B</b>	14471	16382	9.5.0.0	/18	255.255.192.0	9.5.0.1 - 9.5.63.254	9.5.63.255
<b>L</b>	9266	16382	9.5.64.0	/18	255.255.192.0	9.5.64.1 - 9.5.127.254	9.5.127.255
<b>M</b>	5368	8190	9.5.128.0	/19	255.255.224.0	9.5.128.1 - 9.5.159.254	9.5.159.255
<b>C</b>	4543	8190	9.5.160.0	/19	255.255.224.0	9.5.160.1 - 9.5.191.254	9.5.191.255
<b>D</b>	3107	4094	9.5.192.0	/20	255.255.240.0	9.5.192.1 - 9.5.207.254	9.5.207.255
<b>H</b>	924	1022	9.5.208.0	/22	255.255.252.0	9.5.208.1 - 9.5.211.254	9.5.211.255
<b>N</b>	288	510	9.5.212.0	/23	255.255.254.0	9.5.212.1 - 9.5.213.254	9.5.213.255
<b>J</b>	176	254	9.5.214.0	/24	255.255.255.0	9.5.214.1 - 9.5.214.254	9.5.214.255
<b>I</b>	118	126	9.5.215.0	/25	255.255.255.128	9.5.215.1 - 9.5.215.126	9.5.215.127
<b>O</b>	100	126	9.5.215.128	/25	255.255.255.128	9.5.215.129 - 9.5.215.254	9.5.215.255
<b>P</b>	100	126	9.5.216.0	/25	255.255.255.128	9.5.216.1 - 9.5.216.126	9.5.216.127
<b>Q</b>	100	126	9.5.216.128	/25	255.255.255.128	9.5.216.129 - 9.5.216.254	9.5.216.255
<b>R</b>	100	126	9.5.217.0	/25	255.255.255.128	9.5.217.1 - 9.5.217.126	9.5.217.127
<b>R1</b>	2	2	9.5.217.128	/30	255.255.255.252	9.5.217.129 - 9.5.217.130	9.5.217.131

<b>R10</b>	2	2	9.5.217.132	/30	255.255.255.252	9.5.217.133 - 9.5.217.134	9.5.217.135
<b>R11</b>	2	2	9.5.217.136	/30	255.255.255.252	9.5.217.137 - 9.5.217.138	9.5.217.139
<b>R12</b>	2	2	9.5.217.140	/30	255.255.255.252	9.5.217.141 - 9.5.217.142	9.5.217.143
<b>R13</b>	2	2	9.5.217.144	/30	255.255.255.252	9.5.217.145 - 9.5.217.146	9.5.217.147
<b>R14</b>	2	2	9.5.217.148	/30	255.255.255.252	9.5.217.149 - 9.5.217.150	9.5.217.151
<b>R15</b>	2	2	9.5.217.152	/30	255.255.255.252	9.5.217.153 - 9.5.217.154	9.5.217.155
<b>R16</b>	2	2	9.5.217.156	/30	255.255.255.252	9.5.217.157 - 9.5.217.158	9.5.217.159
<b>R17</b>	2	2	9.5.217.160	/30	255.255.255.252	9.5.217.161 - 9.5.217.162	9.5.217.163
<b>R18</b>	2	2	9.5.217.164	/30	255.255.255.252	9.5.217.165 - 9.5.217.166	9.5.217.167
<b>R19</b>	2	2	9.5.217.168	/30	255.255.255.252	9.5.217.169 - 9.5.217.170	9.5.217.171
<b>R2</b>	2	2	9.5.217.172	/30	255.255.255.252	9.5.217.173 - 9.5.217.174	9.5.217.175
<b>R20</b>	2	2	9.5.217.176	/30	255.255.255.252	9.5.217.177 - 9.5.217.178	9.5.217.179
<b>R21</b>	2	2	9.5.217.180	/30	255.255.255.252	9.5.217.181 - 9.5.217.182	9.5.217.183
<b>R22</b>	2	2	9.5.217.184	/30	255.255.255.252	9.5.217.185 - 9.5.217.186	9.5.217.187
<b>R23</b>	2	2	9.5.217.188	/30	255.255.255.252	9.5.217.189 - 9.5.217.190	9.5.217.191
<b>R24</b>	2	2	9.5.217.192	/30	255.255.255.252	9.5.217.193 - 9.5.217.194	9.5.217.195
<b>R25</b>	2	2	9.5.217.196	/30	255.255.255.252	9.5.217.197 - 9.5.217.198	9.5.217.199
<b>R26</b>	2	2	9.5.217.200	/30	255.255.255.252	9.5.217.201 - 9.5.217.202	9.5.217.203
<b>R3</b>	2	2	9.5.217.204	/30	255.255.255.252	9.5.217.205 - 9.5.217.206	9.5.217.207
<b>R4</b>	2	2	9.5.217.208	/30	255.255.255.252	9.5.217.209 - 9.5.217.210	9.5.217.211
<b>R5</b>	2	2	9.5.217.212	/30	255.255.255.252	9.5.217.213 - 9.5.217.214	9.5.217.215
<b>R6</b>	2	2	9.5.217.216	/30	255.255.255.252	9.5.217.217 - 9.5.217.218	9.5.217.219
<b>R7</b>	2	2	9.5.217.220	/30	255.255.255.252	9.5.217.221 - 9.5.217.222	9.5.217.223

<b>R8</b>	2	2	9.5.217.224	/30	255.255.255.252	9.5.217.225 - 9.5.217.226	9.5.217.227
<b>R9</b>	2	2	9.5.217.228	/30	255.255.255.252	9.5.217.229 - 9.5.217.230	9.5.217.231
<b>S1</b>	2	2	9.5.217.232	/30	255.255.255.252	9.5.217.233 - 9.5.217.234	9.5.217.235
<b>S2</b>	2	2	9.5.217.236	/30	255.255.255.252	9.5.217.237 - 9.5.217.238	9.5.217.239
<b>S3</b>	2	2	9.5.217.240	/30	255.255.255.252	9.5.217.241 - 9.5.217.242	9.5.217.243
<b>S4</b>	2	2	9.5.217.244	/30	255.255.255.252	9.5.217.245 - 9.5.217.246	9.5.217.247
<b>S5</b>	2	2	9.5.217.248	/30	255.255.255.252	9.5.217.249 - 9.5.217.250	9.5.217.251

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