

## *Prefix lengths*

<i>/n</i>	<i>Mask</i>	<i>/n</i>	<i>Mask</i>	<i>/n</i>	<i>Mask</i>	<i>/n</i>	<i>Mask</i>
<b>/1</b>	<b>128.0.0.0</b>	<b>/9</b>	<b>255.128.0.0</b>	<b>/17</b>	<b>255.255.128.0</b>	<b>/25</b>	<b>255.255.255.128</b>
<b>/2</b>	<b>192.0.0.0</b>	<b>/10</b>	<b>255.192.0.0</b>	<b>/18</b>	<b>255.255.192.0</b>	<b>/26</b>	<b>255.255.255.192</b>
<b>/3</b>	<b>224.0.0.0</b>	<b>/11</b>	<b>255.224.0.0</b>	<b>/19</b>	<b>255.255.224.0</b>	<b>/27</b>	<b>255.255.255.224</b>
<b>/4</b>	<b>240.0.0.0</b>	<b>/12</b>	<b>255.240.0.0</b>	<b>/20</b>	<b>255.255.240.0</b>	<b>/28</b>	<b>255.255.255.240</b>
<b>/5</b>	<b>248.0.0.0</b>	<b>/13</b>	<b>255.248.0.0</b>	<b>/21</b>	<b>255.255.248.0</b>	<b>/29</b>	<b>255.255.255.248</b>
<b>/6</b>	<b>252.0.0.0</b>	<b>/14</b>	<b>255.252.0.0</b>	<b>/22</b>	<b>255.255.252.0</b>	<b>/30</b>	<b>255.255.255.252</b>
<b>/7</b>	<b>254.0.0.0</b>	<b>/15</b>	<b>255.254.0.0</b>	<b>/23</b>	<b>255.255.254.0</b>	<b>/31</b>	<b>255.255.255.254</b>
<b>/8</b>	<b>255.0.0.0</b>	<b>/16</b>	<b>255.255.0.0</b>	<b>/24</b>	<b>255.255.255.0</b>	<b>/32</b>	<b>255.255.255.255</b>

The addresses in color are the default masks for classes A, B, and C.  
Thus, classful addressing is a special case of classless addressing.