

Notes Longest Prefix Match

Consider two prefixes.

$194.24.12.0 / 22 \rightarrow 194.24.000011|00.0$

and

$194.24.0.0 / 19 \rightarrow 194.24.000|00000.0$

Suppose the destination address is:

$194.24.15.8$

Is there a match and if so with which network address?

$194.24.15.8 \rightarrow 194.24.00001111.00001000$

Matches Both but longest prefix match
is for $194.24.12.0 / 22$
hence will be routed to this subnet.