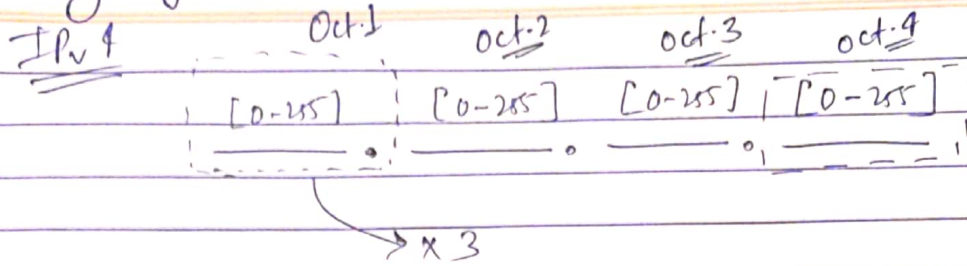


Writing regex for IPv4 and IPv6 IP format



0-9 : [0-9]

10-99 = [1-9][0-9]

100-199 = 1[0-9][0-9]

200-299 = 2[0-9][0-9]

250-255 = 25[0-5]

• = \\.

for Oct 1.

(([0-9] | [1-9][0-9] | 1[0-9][0-9] | 2[0-9][0-9] | 25[0-5]) \\.)

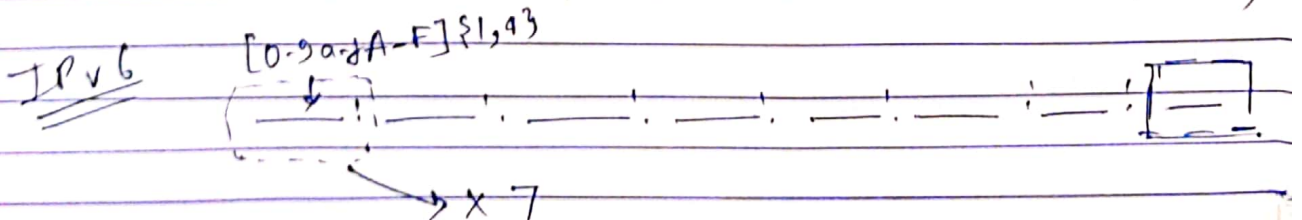
To Repeat oct 1, three times. simply multiply the whole expression by {3}

for Oct 4

for Same expression as Oct 1 except \\..

∴ final Expression for an IPv4 add.

((([0-9] | [1-9][0-9] | 1[0-9][0-9] | 2[0-9][0-9] | 25[0-5]) \\.) {3} ([0-9] | [1-9][0-9] | 1[0-9][0-9] | 2[0-9][0-9] | 25[0-5]))



[0-9a-fA-F]{1,4} = any char from set [0-9] or [a-f] [A-F]

for first 7 octets

([0-9a-fA-F]{1,4} \\.) {7}

Repeated once, twice, thrice or four times.