

Problem 5

Lions:

10.10.10.01000000(0)/25 / 10.10.10.01111111(127)/27

Monkeys:

10.10.10.10010000(128)/27 / 10.10.10.10011111(159)/25

Dolphins:

10.10.10.10110000(160)/27 / 10.10.10.10111111(191)/25

Eagles:

10.10.10.11010000(192)/27 / 10.10.10.11011111(223)/25

R1-R2

10.10.10.11110000(224)/27 / 10.10.10.11111111(255)/25

Problem 7:

LAN 1:

192.168.3.00100000(0)/26 / 192.168.3.00111111(⁶³~~127~~)/26

LAN 2:

192.168.3.01010000(64)/27 / 192.168.3.01011111(95)/25

LAN 3:

192.168.3.01110000(96)/27 / 192.168.3.01111111(127)/25

Problem 8:

Sala B:

$$192.168.3.0 / 192.168.3.000 / 000000 (192.168.3.0) / 27 / 192.168.3.000 / 11111 (192.168.3.31) / 25 = 32$$

Sala C:

$$192.168.3.32 / 192.168.3.0010 / 0000 / 28 / 192.168.3.0010 / 1111 / 24 = 16$$

192.168.3.32 192.168.3.47

Sala A:

$$192.168.3.48 / 192.168.3.00110 / 000 / 29 / 192.168.3.00110 / 1111 / 25 = 8$$

192.168.3.48 192.168.3.55

Sala R1-R2

$$192.168.3.56 / 192.168.3.00111 / 000 / 29 / 192.168.3.00111 / 1111 / 23 = 8$$

192.168.3.56 192.168.3.63