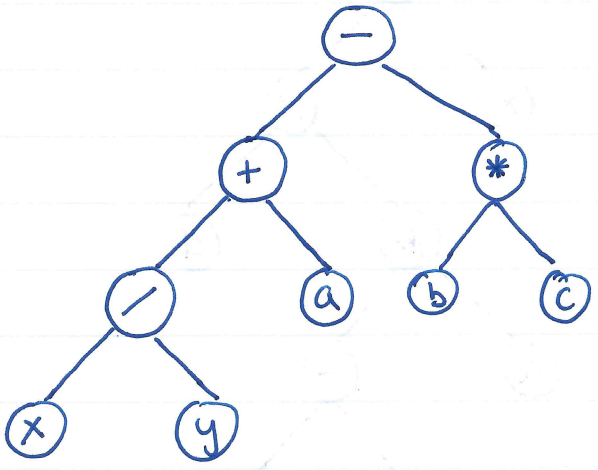
Problem 1

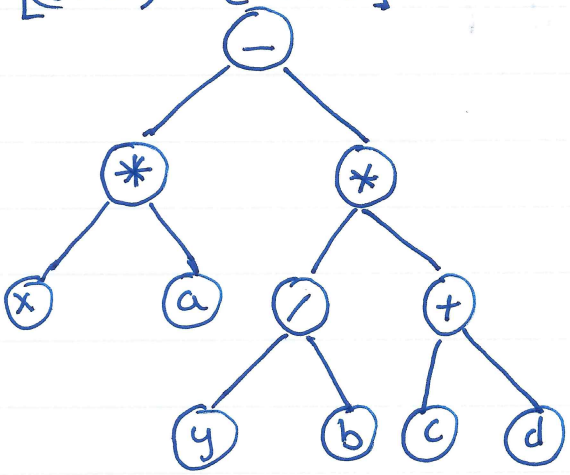
a. $X / y + a - b * c$

$((x/y) + a) - (b * c)$



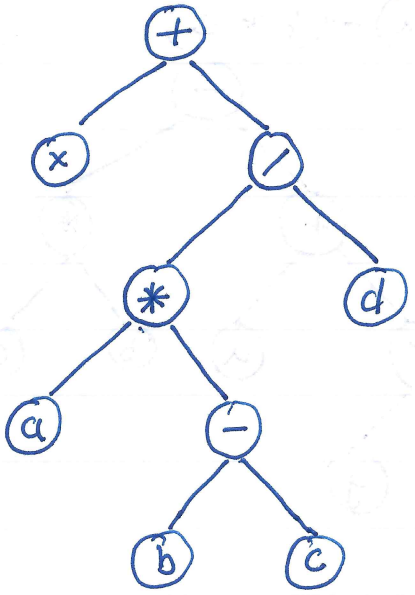
b. $(x * a) - y / b * (c + d)$

$(x * a) - [(y/b) * (c+d)]$



Problem 1

c. (x + (a * (b - c)) / d)



Problem 2

a. binary string for "scissors"

s - 0011
c - 00000
i - 0110
o - 1001
r - 0010

00110000001101001100111001001000011

b. Decode binary string using the huffman tree.

where is waldo

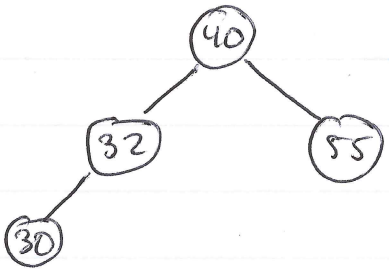
Problem 3

a. Height - 3

Full tree - No

Complete tree - Yes

Binary search tree - No

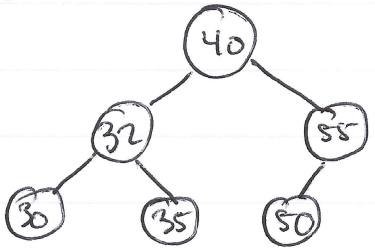


b. Height - 3

Full tree - No

Complete tree - Yes

Binary Search tree - No



Problem 4

6.2 - Complete

6.3 - Complete

6.4 - Full

6.5 - Full

Problem 5