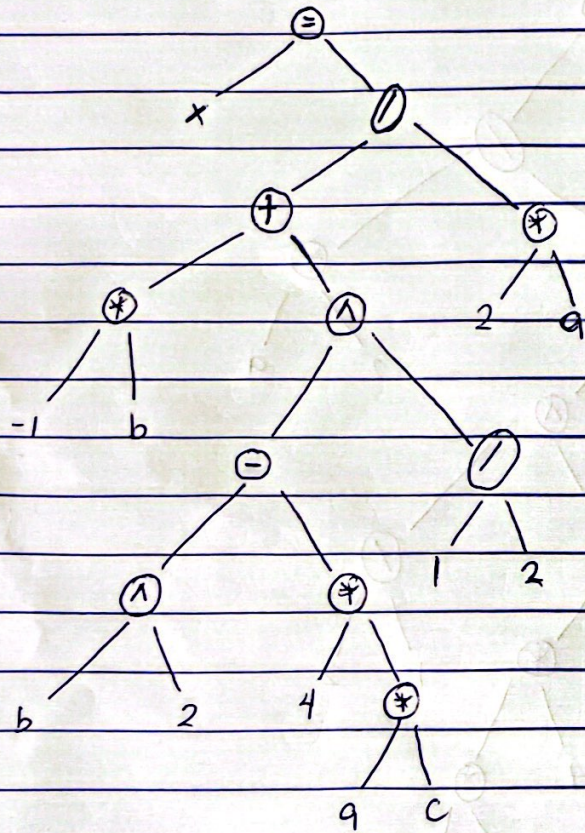


Lauren, John Ennio D. BS CPE-1 Group 1

FA-WEO3-IND-ExpressionTree

Expression Tree

positive :



a. Breadth-First Traversal : =, x, /, +, \*, \*, ^, 2, a, -, /, ^, \*, 1, 2, b, 2, 4, \*, a, c

b. Depth-First Traversal :

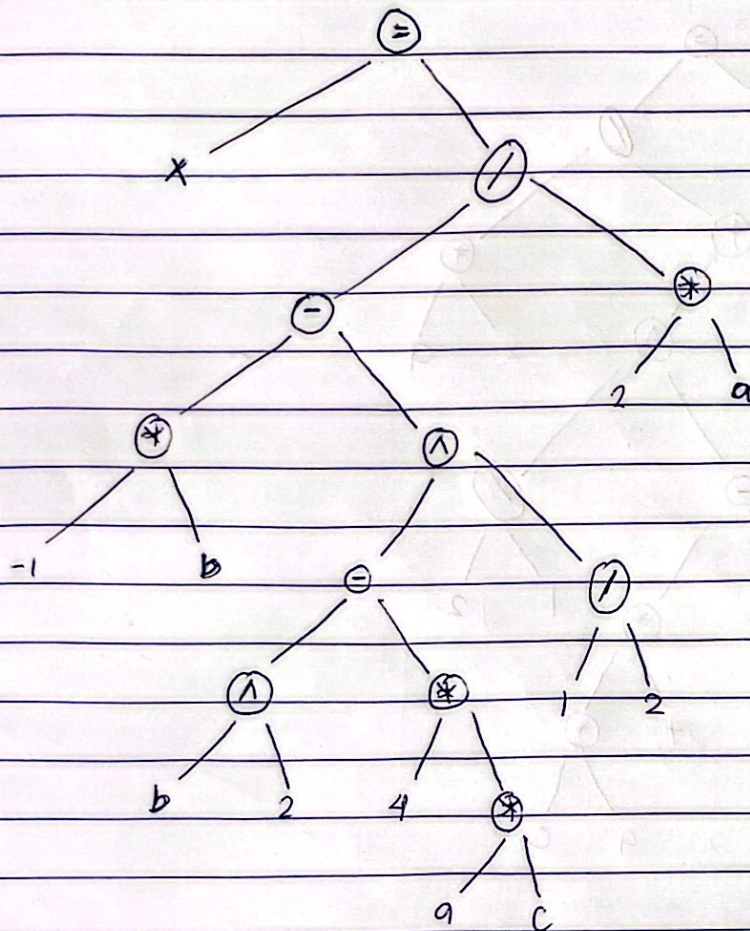
i. Pre-order (VLR) : =, x, /, +, \*, -, 1, b, ^, -, ^, b, 2, \*, 4, \*, a, c, /, 1, 2, \*, 2, a

ii. In-order (LVR) : x, =, -, 1, \*, b, +, b, 1, 2, -, 4, \*, a, \*, c, 1, /, 2, 1, 2, \*, a

iii. Post-order (LRV) : x, -, 1, b, \*, b, 2, ^, 4, a, c, \*, \*, -, 1, 2, /, ^, +, 2, a, x, /, =



negative :



9. Breadth-First Traversal : =, x, /, -, \*, \*, ^, 2, a, -1, b, -, /, ^, \*, 1, 2, b, 2, 4, \*, a, c

b. Depth-First Traversal :

i. Pre-order (VLR) : =, x, /, -, \*, -1, b, ^, -, b, 2, \*, 4, \*, a, c, /, 1, 2, \*, 2, a

ii. In-order (LVR) : x, =, -1, \*, b, ^, 2, -, 4, \*, a, \*, c, /, 1, 2, /, 2, \*, a

ii. Post-order (LRV) : x, -1, b, \*, b, 2, ^, 4, a, c, \*, \*, -, 2, /, ^, -, 2, a, x, /, =