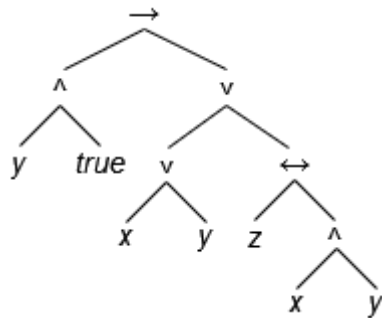


7. Give a suitable function, terminal set and s-expression for the following logical and mathematical formulas:

a.  $(y \wedge \text{true}) \rightarrow ((x \vee y) \vee (z \leftrightarrow (x \wedge y)))$

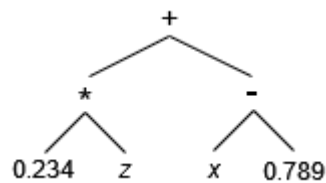


Function set:  $\{\rightarrow: 2, \wedge: 2, \vee: 2, \leftrightarrow: 2\}$

Terminal set:  $\{x, y, z, \text{true}\}$

s-expression:  $(\rightarrow (\wedge y \text{true})(\vee (\vee x y)(\leftrightarrow z(\wedge x y))))$

b.  $0.234 * z + x - 0.789$



Function set:  $\{+: 2, *: 2, -: 2\}$

Terminal set:  $\{x, z, 0.234, 0.789\}$

s-expression:  $(+(\times 0.234 z)(- x 0.789))$