## COMP 410 Fall 2024

## **Grammar-based Test Generation**

Consider the following grammar, corresponding to a simplistic programming language:

## $e \in Expression ::= true | false | if(e_1, e_2, e_3)$

Using Prolog, write a procedure which takes a maximum expression depth, and will produce valid sentences according to the above grammar. An example query is below:

?- exp(0, E). E = true ; E = false .