statementList : '{' A '}'

A : statement | A ';' statement

Remove ambiguity

statement: assignmentStatement | methodcallStatement | returnStatement | IfStatement | WhileStatement | E

can it be a terminal node

assignmentStatement: Variable ':' '=' Expression

methodcall statement : Variable '(' ')' | Variable '(' E ')'

→ shouldn't it have 0 or more comma ops.

E: Expression | Expression ',' Expression

return statement: 'return' | 'return' Expression

grammar sense. Why is there a comma op.

IFStatement: 'IF' Expression StatementList | 'IF' Expression StatementList B

B: 'ELSE' Start | 'ELSE' StatementList

While Statement:

'WHILE' Expression StatementList.

shouldn't it be LTop not LTnum

Expression: SimpleExpression | SimpleExpression Comp_op SimpleExpression

Comp-op: LTOp | Comp-op2

Comp_op2: GTOp | Comp-op3

Comp-op3: EQOp | Comp-op4

Comp-Op4: NEOp | Comp-op5

Comp-op5: LEOp | GEOp.

Simple Expression: ← how are you suppose to do this without an op.

Term Y | Z Term Y

Turn it have a dummy node

Z: '+' | '-'

Y: X/W/U

X: '+' TermY | ε

W: '-' TermY | ε

U: '||' TermY | ε

what is this tree suppose to look like, what is the AI many Neg Op

Term:

S: Factor | Factor G

G: M/N/P

M: '*' Factor G | ε

N: '/' Factor G | ε

P: '&' '&' Factor G | ε

Factor
: I G H
I: P | ε
P: '(' | 'NOT'
H: ')' | ε
G: UnsignedConstant | L
L: Varible | M
M: Method call Statement | N
N: Expression | Factor

Why would unsigned constant be a non terminal node

UnsignedConstant
: 'INTEGERCONSTANT' | 'STRINGCONSTANT'
↑ for NumNode and STRINGNode is the value found from yyval.

Variable

: 'IDENTIFIER' R
R: T | ε
T: '[' Q ']' R | ',' 'IDENTIFIER' R
Q: Expression | Expression, Expression.