States and transitions

- → q start
- ε, ε → $
- ε, ε → Program
- q loop
- ε, $ → ε
- q accept

Transition rules (from q loop loops)

- ε, Return Statement → return, ε,ε → Expression
- ε, FunCall paramList → parenL, ε,ε → FunCall Parameter, ε,ε → FunCall parameter List, ε,ε → parenR
- ε, FunCall ParamList → FunCall Parameter, ε,ε → FunCallparamlist
- ε, FunctionCall → FunCall Parameter, ε,ε → identifier, ε,ε → FunCall paramlist
- ε, FunDcl secondary parameter → comma, ε,ε → FunDcl Parameter, ε,ε → FunDcl Secondary Parameter
- ε, FunDcl Parameter → Type, ε,ε → identifier
- ε, FunDcl ParamList → Fun Dcl Parameter, ε,ε → Fun Dcl Secondary Parameter
- ε, Lambda Params → parenL, ε,ε → Fun Dcl ParamList, ε,ε → parenR, ε,ε → arrow
- ε, Lambda Expression → Lambda Params, ε,ε → curlyL, ε,ε → Statements, ε,ε → curlyR
- ε, Lambda Expression → curlyL, ε,ε → Statements, ε,ε → CcurlyR
- ε, Assignment → identifier, ε,ε → equals, ε,ε → Expression
- ε, Declaration → Type, ε,ε → Assignment
- ε, Declaration → Type, ε,ε → identifier
- ε, Statements → Statement, ε,ε → linebreak, ε,ε → Statements
- ε, Commands → Command, ε,ε → Commands

Production rules

- ε, Program → Commands
- ε, Commands → ε
- ε, Command → Declaration
- ε, Command → Assignment
- ε, Command → Expression
- ε, Type → number
- number, number → ε
- ε, Type → text
- text, text → ε
- ε, Type → tuple
- tuple, tuple → ε
- ε, Type → list
- list, list → ε

- ε, Type → bool
- bool, bool → ε
- ε, Type → none
- none, none → ε
- ε, Type → func
- func, func → ε
- ε, Type → var
- var, var → ε
- ε, Expression → FunctionCall
- ε, Expression → Value
- ε, Expression → LambdaExpression
- ε, Value → Literal
- ε, Value → identifier
- identifier, identifier → ε

- ε, Literal → Literal Number
- LiteralNumber, LiteralNumber → ε
- ε, Literal → literal Text
- LiteralText, LiteralText → ε
- ε, Literal → literalTuple
- literalTuple, literalTuple → ε
- ε, Literal → literalList
- LiteralList, LiteralList → ε
- ε, Literal → literal Bool
- literalBool, literalBool → ε
- linebreak, linebreak → ε
- ε, Statements → ε
- ε, Statement → VarDcl
- ε, Statement → VarAssign
- ε, Statement → Expression
- ε, Statement → ReturnStatement
- equals, equals → ε

Bottom-left rules

- curlyL, curlyL → ε
- curlyR, curlyR → ε
- parenL, parenL → ε
- parenR, parenR → ε
- arrow, arrow → ε
- ε, FunDclParamlist → ε
- comma, comma → ε
- ε, FunDclSecondary Parameter → ε
- ε, FunCallparamlist → ε
- ε, FunCall parameter → Expression
- ε, FunCall parameter → ε