

## Grammar

Programm	StatementList
StatementList	((";")* Statement)*
Statement	IfStatement WhileStatement PrintStatement ReadStatement Assignment DoStatement UntilStatement Halt Break Continue
WhileStatement	"While" Expression "Do" StatementList "end"
UntilStatement	"Until" Expression "Do" StatementList "end"
DoStatement	"do" StatementList (("Until" "While") Expression)? "end"
IfStatement	"if" Expression "then" StatementList ("elif" Expression "then" StatementList)* ("else" StatementList) end
PrintStatement	"print" Item ("," Item)*
ReadStatement	"read" Name ("," Name)*
Assignment	Name "++" "--" "=" Expression)
Halt	"halt"
Break	"break"
Continue	"continue"
Item	StringLiteral \  Expression
Expression	T0 (RelOperator T0)?
T0	T1 (AddOperators T1)*
T1	T2 (MulOperators T2)*
T2	Number \  StringLiteral \  Identifier
RelOperators	<\ <=\ ==\ !=\ >=\ >
AddOperators	+ \ -
MulOperators	* \ / \ \% \ <<\ <<<\ >>