Grammar

chip	:= line^{20}
line	:= multipleStatements | comment | empty
multipleStatements	:= singleStatement ('␣' singleStatement)*
singleStatement	:= ifStatement | varAssignment | expression | goto
ifStatement	:= 'if␣' expression '␣then␣' multipleStatements ('␣else␣' multipleStatements)? '␣end'
varAssignment	:= var '=' expression | arithmeticalAssignment
var	:= ':' varName | varName
varName	:= alphabeticalChar alphanumericalChar *
alphabeticalChar	:= {'a' - 'z', 'A' - 'Z'}
alphanumericalChar	:= alphabeticalChar ∪ numericalChar
numericalChar	:= {'0' - '9'}
arithmeticalAssignment	:= var arithmeticalOperator '=' expression
expression	:= '(' expression ')' | var | const | arithmeticOperation | logicalOperation
const	:= ' ” ' everyChar *' ” ' | number
number	:= (-)? numericalChar $^{+}$('.' numericalChar$^{1-4}$)?
everyChar	:= whatever the supported charset supports
arithmeticOperation	:= expression arithmeticOperator expression | arithmeticKeyword expression | expression '!'
arithmeticOperator	:= '+' | '−' | '*' | '/' | '%'
arithmeticKeyword	:= 'ABS' | 'SQRT' | 'SIN' | 'COS' | 'TAN' | 'ARCSIN' | 'ARCCOS' | 'ARCTAN'
logicalOperation	:= expression logicalOperation expression
logicalOperator	:= '<' | '>' | '<=' | '>=' | '! =' | '=='
comment	:= '//' everyChar *