

EBNF

SubDec = 'Sub' IDENTIFIER '(' {(Null | IDENTIFIER 'as' Type | ',')} ')' '\n' { Null | Statement '\n'} End Sub

FuncDec = 'function' IDENTIFIER '(' {(Null | IDENTIFIER 'as' Type | ',')} ')' 'as' Type '\n' { Null | Statement '\n'} End Function

Program = {(SubDec | FuncDec)}

Statement = {(Null |
IDENTIFIER '=' RelExpression |
'dim' IDENTIFIER 'as' Type |
'while' RelExpression '\n' {(Null | Statement '\n')} 'wend' |
'if' RelExpression 'then' '\n' {(Null | Else '\n')} {(Null | Statement '\n')} 'end' 'if' |
'Call' IDENTIFIER '(' {Null | RelExpression | ',' } ')'

RelExpression = Expression (null | ('=' | '>' | '<') Expression)

Expression = Term (Null | {'+' | '-' | 'or'}) Term)}

Term = Factor (Null | {'*' | '/' | 'not'} Factor)}

Factor = {(integer |
(True | False) |
('+' | '-' | 'not') Factor |
'Input' RelExpression |
IDENTIFIER (Null | '(' {Null | RelExpression | ',' } ')') |

Type = (Integer | Boolean)