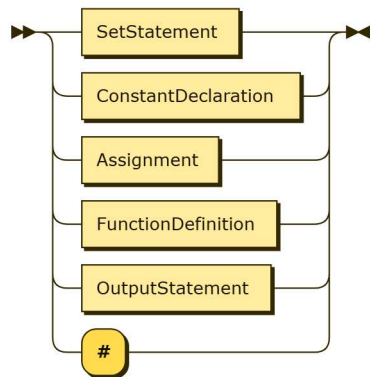


Program:

Program ::= Statement*

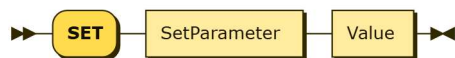
no references

Statement:

```
Statement
  ::= SetStatement
    | ConstantDeclaration
    | Assignment
    | FunctionDefinition
    | OutputStatement
    | '#'
```

referenced by:

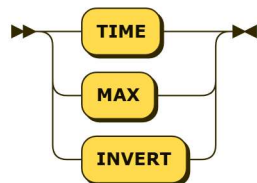
- [FunctionDefinition](#)
- [Program](#)

SetStatement:

```
SetStatement
  ::= 'SET' SetParameter Value
```

referenced by:

- [Statement](#)

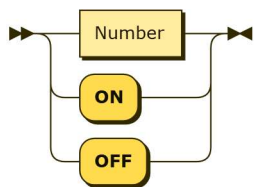
SetParameter:

```
SetParameter
  ::= 'TIME'
    | 'MAX'
    | 'INVERT'
```

referenced by:

- [SetStatement](#)

Value:



```
Value ::= Number
      | 'ON'
      | 'OFF'
```

referenced by:

- [SetStatement](#)

ConstantDeclaration:

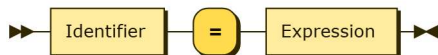


```
ConstantDeclaration
  ::= 'CONSTANT' Identifier '=' Expression
```

referenced by:

- [Statement](#)

Assignment:



```
Assignment
  ::= Identifier '=' Expression
```

referenced by:

- [Statement](#)

OutputStatement:

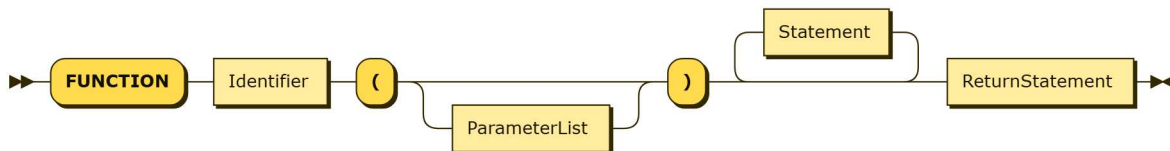


```
OutputStatement
  ::= 'OUTPUT' '(' ArgumentList ')'
```

referenced by:

- [Statement](#)

FunctionDefinition:



```
FunctionDefinition
  ::= 'FUNCTION' Identifier '(' ParameterList? ')' Statement* ReturnStatement
```

referenced by:

- [Statement](#)

ReturnStatement:

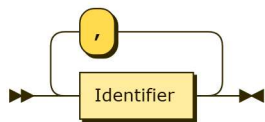


```
ReturnStatement
    ::= 'RETURN' '(' Identifier ')'
```

referenced by:

- [FunctionDefinition](#)

ParameterList:

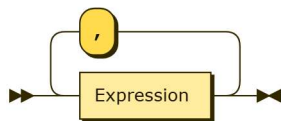


```
ParameterList
    ::= Identifier ( ',' Identifier )*
```

referenced by:

- [FunctionDefinition](#)

ArgumentList:

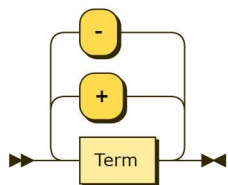


```
ArgumentList
    ::= Expression ( ',' Expression )*
```

referenced by:

- [FunctionCall](#)
- [OutputStatement](#)

Expression:

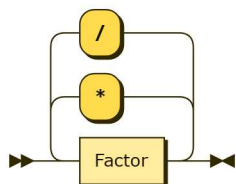


```
Expression
    ::= Term ( ( '+' | '-' ) Term )*
```

referenced by:

- [ArgumentList](#)
- [Assignment](#)
- [ConstantDeclaration](#)
- [Factor](#)

Term:

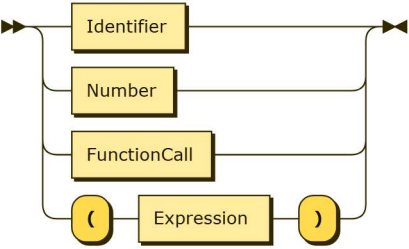


```
Term
    ::= Factor ( ( '*' | '/' ) Factor )*
```

referenced by:

- [Expression](#)

Factor:

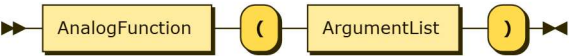


```
Factor ::= Identifier
      | Number
      | FunctionCall
      | '(' Expression ')'
```

referenced by:

- [Term](#)

FunctionCall:

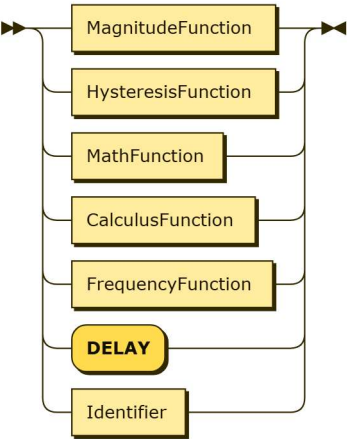


```
FunctionCall ::= AnalogFunction '(' ArgumentList ')'
```

referenced by:

- [Factor](#)

AnalogFunction:

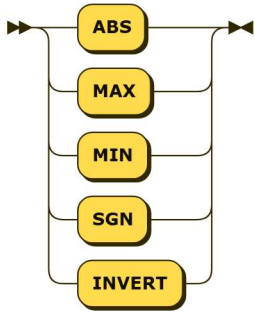


```
AnalogFunction ::= MagnitudeFunction
                | HysteresisFunction
                | MathFunction
                | CalculusFunction
                | FrequencyFunction
                | 'DELAY'
                | Identifier
```

referenced by:

- [FunctionCall](#)

MagnitudeFunction:

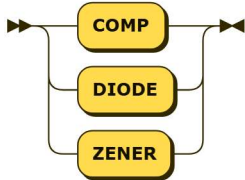


```
MagnitudeFunction
::= 'ABS'
    | 'MAX'
    | 'MIN'
    | 'SGN'
    | 'INVERT'
```

referenced by:

- [AnalogFunction](#)

HysteresisFunction:

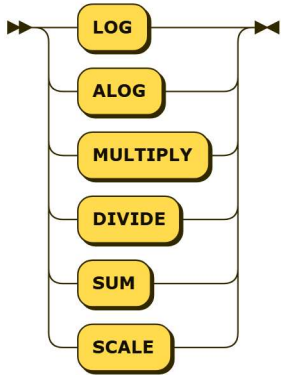


```
HysteresisFunction
::= 'COMP'
    | 'DIODE'
    | 'ZENER'
```

referenced by:

- [AnalogFunction](#)

MathFunction:

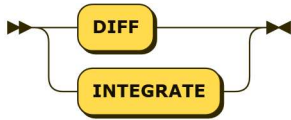


```
MathFunction
::= 'LOG'
    | 'ALOG'
    | 'MULTIPLY'
    | 'DIVIDE'
    | 'SUM'
    | 'SCALE'
```

referenced by:

- [AnalogFunction](#)

CalculusFunction:

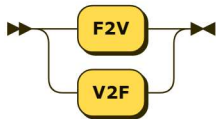


```
CalculusFunction
  ::= 'DIFF'
    | 'INTEGRATE'
```

referenced by:

- [AnalogFunction](#)

FrequencyFunction:

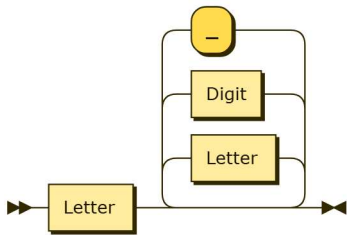


```
FrequencyFunction
  ::= 'F2V'
    | 'V2F'
```

referenced by:

- [AnalogFunction](#)

Identifier:

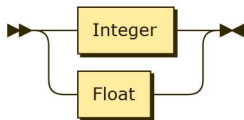


```
Identifier
  ::= Letter ( Letter | Digit | '-' )*
```

referenced by:

- [AnalogFunction](#)
- [Assignment](#)
- [ConstantDeclaration](#)
- [Factor](#)
- [FunctionDefinition](#)
- [ParameterList](#)
- [ReturnStatement](#)

Number:

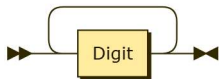


```
Number ::= Integer
        | Float
```

referenced by:

- [Factor](#)
- [Value](#)

Integer:

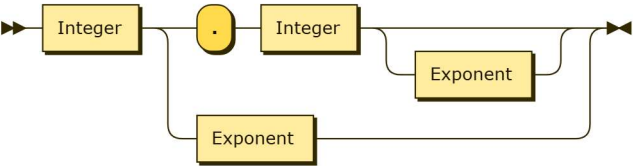


Integer ::= Digit+

referenced by:

- [Exponent](#)
- [Float](#)
- [Number](#)

Float:

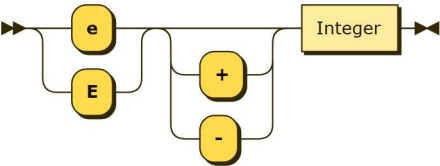


Float ::= Integer ('.' Integer Exponent? | Exponent)

referenced by:

- [Number](#)

Exponent:

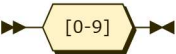


Exponent ::= ('e' | 'E') ('+' | '-')? Integer

referenced by:

- [Float](#)

Digit:

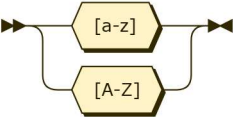


Digit ::= [0-9]

referenced by:

- [Identifier](#)
- [Integer](#)

Letter:



Letter ::= [a-zA-Z]

referenced by:

- [Identifier](#)