Gramática MiniPython

```
-> 'class' ID ':' inicioBloque <field_decl>* finBloque <method_call>*
Program
field_decl
                     <assign>
method_decl ->
                     'def' ID ( '(' ID (',' ID)* ')' )? ':' <block>
block
                     <inicioBloque><statement>*<finBloque>
<statement>
                    ID <Statementp>
                     | <methodcall>
                     | 'if' <expr> ':' ( 'elif' <expr> ':' <block)* ( 'else' ':' <block>)
                     | 'while' <expr> ':' <block>
                     | 'for' ID 'in0 <range> ':' <block>
                     | 'return' <expr>
                      | 'break'
<Statementp> -> 'ID'
                    | = <assignP>
                    | [ <assignP>
                     | ( methodcall2
              -> <lvalue> '=' <expr>
<assign>
<assignP>
               -> [' <expr> ']'
                    | '=' <expr>
<method_call> -> ID '(' ( (<expr> ( ',' <expr>)*)?
                     | 'read' < lvalue>
                     | 'print' (<expr>(','<expr>)*)?
```

```
| ID '[' <expr>']'
                                 Relacional
            <expr>
                                 | '-'<expr>
                                 | '~' <expr>
                                 | '[' <expr> (', ' <expr>)* ']'
                                 |'(' <expr> ')'
            <Relacional> ->
                                 | AritmeticoSumaResta (!= AritmeticoSumaResta) *
                                 | AritmeticoSumaResta ( <= AritmeticoSumaResta) *
                                 | AritmeticoSumaResta ( >= AritmeticoSumaResta) *
                                 | AritmeticoSumaResta ( == AritmeticoSumaResta) *
                                 | AritmeticoSumaResta ( < AritmeticoSumaResta) *
                                 | AritmeticoSumaResta ( > AritmeticoSumaResta) *
                                 Produccion ('+' Produccion) *
< AritmeticoSumaResta > ->
                                 | Produccion ('-' Produccion) *
                                 | Produccion ('or' Produccion) *
                                    Shift ('/' Shift) *
            <Produccion>
                                    |Shift( '*' Shift)*
                                    | Shift ('%' Shift)*
                                     | Shift(' and' Shift)*
                              -> Term ('>>' Term) *
            <Shift>
                                  |Term ('<<' Term)*
```

ID

<lu><lue>

<Term> -> <constant>

| exprP

| method_call

<inicioBloque> -> INDENT

<finBloque> -> DEDENT

<range> -> <expr> '...' <expr>

<op_bin> -> <arith_op>

|<rel_op>

| <eq_op>

| <cond_op>

<arith_op> -> '+' | '-' | '*' | '/' | '<<' | '>>' | '%'

<rel_op> -> '<' | '>' | '<=' | '>='

<eq_op> -> '==' | '!='

<cond_op> -> 'and' | 'or' | 'not'

<constant> -> 'NUMBER' | 'CHARCONSTANT' | <bool_const>

<bool_const> -> 'TRUE' | 'FALSE'