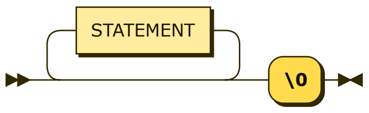
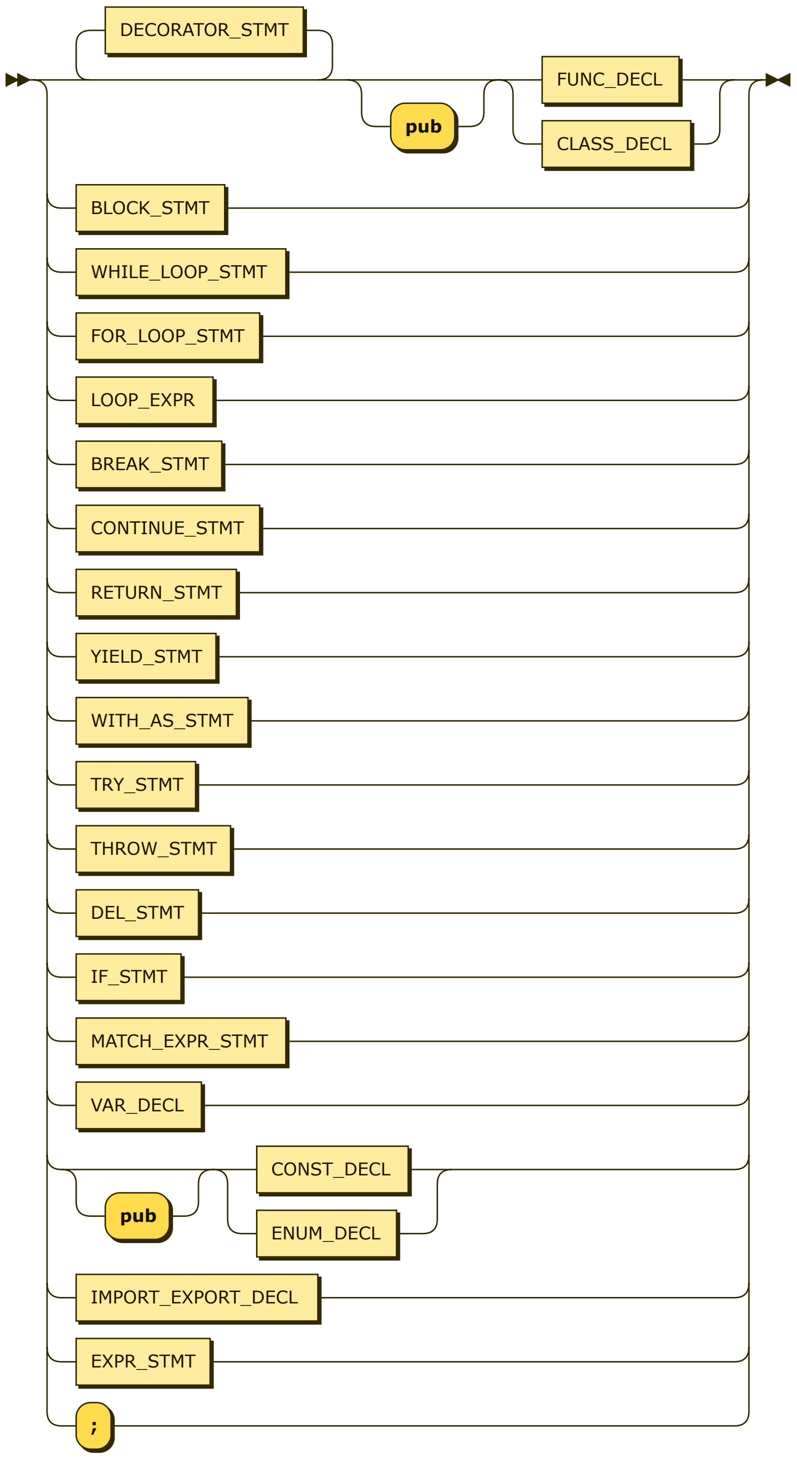
MODULE:



```
MODULE   ::= STATEMENT* '\0'
```

no references

STATEMENT:



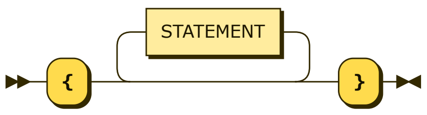
```
STATEMENT
         ::= BLOCK_STMT
           | WHILE_LOOP_STMT
           | FOR_LOOP_STMT
```

```
               | LOOP_EXPR
               | BREAK_STMT
               | CONTINUE_STMT
               | RETURN_STMT
               | YIELD_STMT
               | WITH_AS_STMT
               | TRY_STMT
               | THROW_STMT
               | DEL_STMT
               | IF_STMT
               | MATCH_EXPR_STMT
               | VAR_DECL
               | 'pub'? ( CONST_DECL | ENUM_DECL )
               | IMPORT_EXPORT_DECL
               | DECORATOR_STMT* 'pub'? ( FUNC_DECL | CLASS_DECL )
               | EXPR_STMT
               | ';'
```

referenced by:

- BLOCK_STMT
- MODULE

BLOCK_STMT:

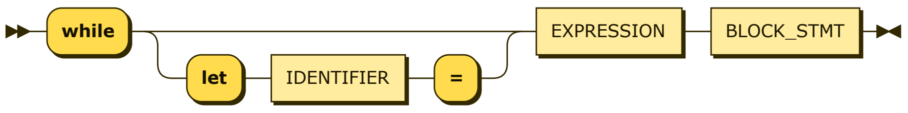


```
BLOCK_STMT
         ::= '{' STATEMENT* '}'
```

referenced by:

- DEFAULT_ARM
- DEFAULT_CATCH
- FINALLY_PART
- FOR_LOOP_STMT
- FUNC_DECL
- IF_STMT
- LAMBDA_EXPR
- LOOP_EXPR
- MATCH_PATT_ARM
- NAMED_CATCH
- OPERATOR_OVERLOAD
- STATEMENT
- TRY_STMT
- WHILE_LOOP_STMT
- WITH_AS_STMT

WHILE_LOOP_STMT:

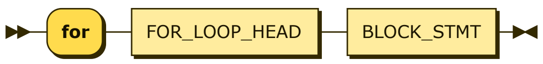


```
WHILE_LOOP_STMT
         ::= 'while' ( 'let' IDENTIFIER '=' )? EXPRESSION BLOCK_STMT
```

referenced by:

- STATEMENT

FOR_LOOP_STMT:

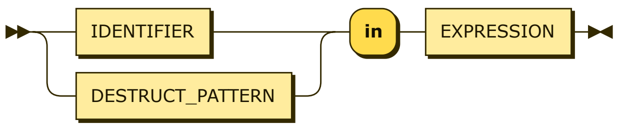


```
FOR_LOOP_STMT
         ::= 'for' FOR_LOOP_HEAD BLOCK_STMT
```

referenced by:

- STATEMENT

FOR_LOOP_HEAD:

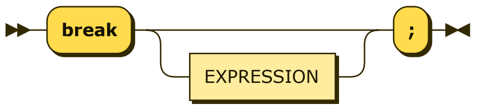


```
FOR_LOOP_HEAD
         ::= ( IDENTIFIER | DESTRUCT_PATTERN ) 'in' EXPRESSION
```

referenced by:

- COMPACT_FOR_LOOP
- FOR_LOOP_STMT

BREAK_STMT:

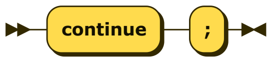


```
BREAK_STMT
         ::= 'break' EXPRESSION? ';'
```

referenced by:

- STATEMENT

CONTINUE_STMT:

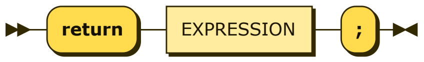


```
CONTINUE_STMT
         ::= 'continue' ';'
```

referenced by:

- STATEMENT

RETURN_STMT:

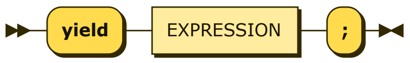


```
RETURN_STMT
         ::= 'return' EXPRESSION ';'
```

referenced by:

- STATEMENT

YIELD_STMT:

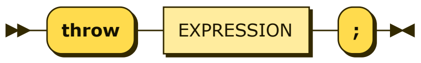


```
YIELD_STMT
         ::= 'yield' EXPRESSION ';'
```

referenced by:

- STATEMENT

THROW_STMT:

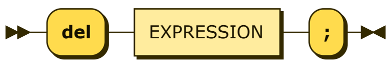


```
THROW_STMT
         ::= 'throw' EXPRESSION ';'
```

referenced by:

- STATEMENT

DEL_STMT:

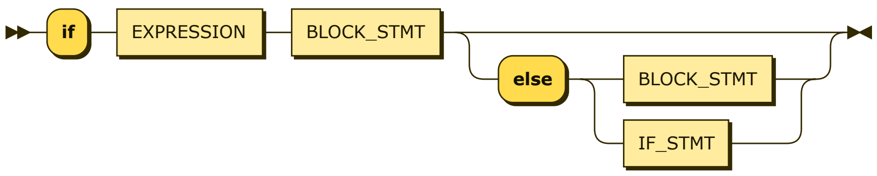


```
DEL_STMT ::= 'del' EXPRESSION ';'
```

referenced by:

- STATEMENT

IF_STMT:

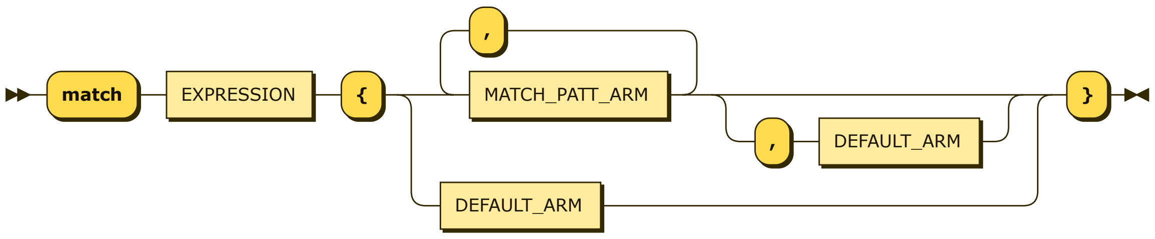


```
IF_STMT  ::= 'if' EXPRESSION BLOCK_STMT ( 'else' ( BLOCK_STMT | IF_STMT ) )?
```

referenced by:

- IF_STMT
- STATEMENT

MATCH_EXPR_STMT:

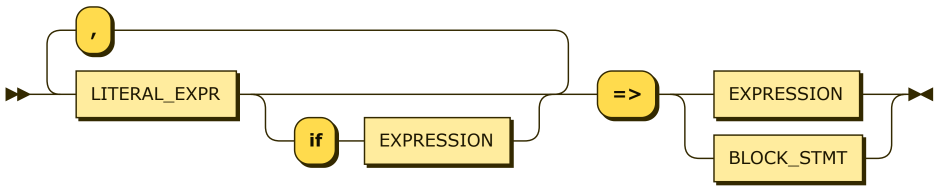


```
MATCH_EXPR_STMT
         ::= 'match' EXPRESSION '{' ( MATCH_PATT_ARM ( ',' MATCH_PATT_ARM )* ( ',' DEFAULT_ARM )? | DEFAULT_ARM ) '}'
```

referenced by:

- LARGE_EXPR
- STATEMENT

MATCH_PATT_ARM:

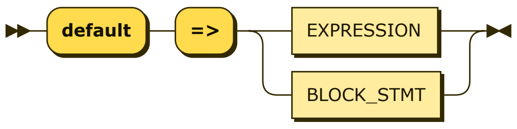


```
MATCH_PATT_ARM
         ::= LITERAL_EXPR ( 'if' EXPRESSION )? ( ',' LITERAL_EXPR ( 'if' EXPRESSION )? )* '=>' ( EXPRESSION | BLOCK_STMT )
```

referenced by:

- MATCH_EXPR_STMT

DEFAULT_ARM:

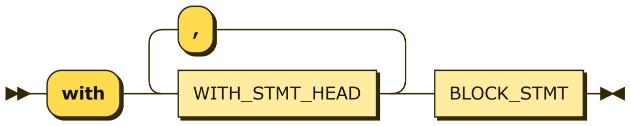


```
DEFAULT_ARM
         ::= 'default' '=>' ( EXPRESSION | BLOCK_STMT )
```

referenced by:

- MATCH_EXPR_STMT

WITH_AS_STMT:

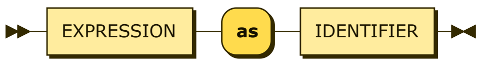


```
WITH_AS_STMT
         ::= 'with' WITH_STMT_HEAD ( ',' WITH_STMT_HEAD )* BLOCK_STMT
```

referenced by:

- STATEMENT

WITH_STMT_HEAD:

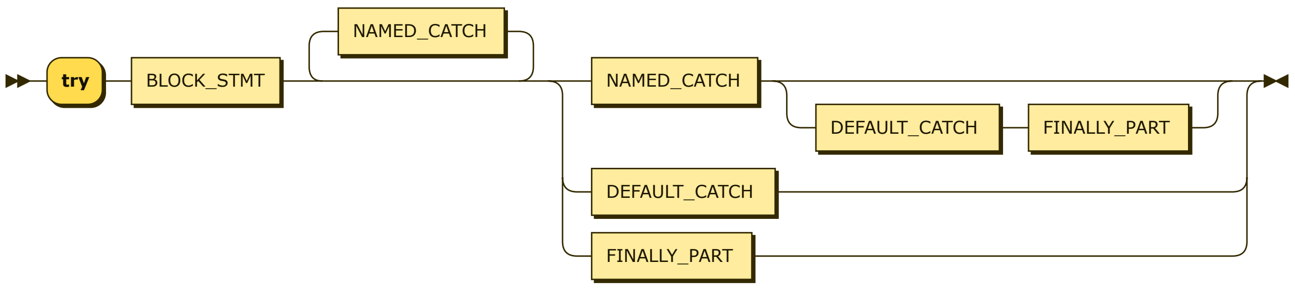


```
WITH_STMT_HEAD
         ::= EXPRESSION 'as' IDENTIFIER
```

referenced by:

- WITH_AS_STMT

TRY_STMT:

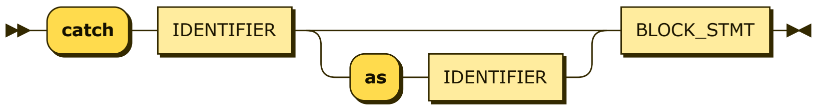


```
TRY_STMT ::= 'try' BLOCK_STMT NAMED_CATCH* ( NAMED_CATCH ( DEFAULT_CATCH FINALLY_PART )? | DEFAULT_CATCH | FINALLY_PART )
```

referenced by:

- STATEMENT

NAMED_CATCH:

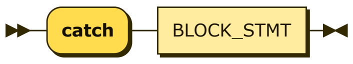


```
NAMED_CATCH
         ::= 'catch' IDENTIFIER ( 'as' IDENTIFIER )? BLOCK_STMT
```

referenced by:

- TRY_STMT

DEFAULT_CATCH:

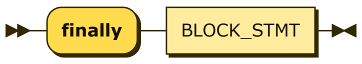


```
DEFAULT_CATCH
         ::= 'catch' BLOCK_STMT
```

referenced by:

- TRY_STMT

FINALLY_PART:

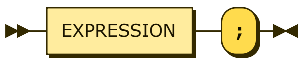


```
FINALLY_PART
         ::= 'finally' BLOCK_STMT
```

referenced by:

- TRY_STMT

EXPR_STMT:

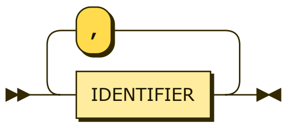


```
EXPR_STMT
         ::= EXPRESSION ';'
```

referenced by:

- STATEMENT

IDENTIFIER_LIST:

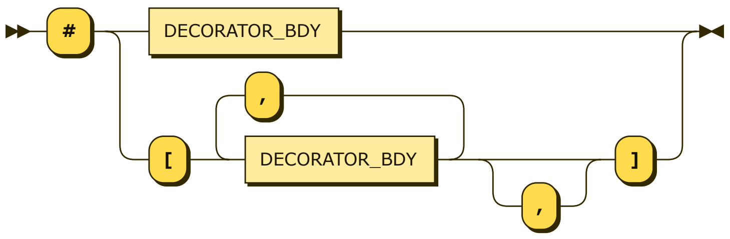


```
IDENTIFIER_LIST
         ::= IDENTIFIER ( ',' IDENTIFIER )*
```

referenced by:

- CLASS_EXTEND
- CLASS_IMPL
- DESTRUCT_PATTERN
- ENUM_DECL
- PARAMETERS

DECORATOR_STMT:

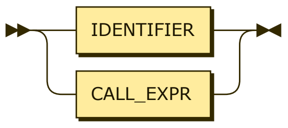


```
DECORATOR_STMT
         ::= '#' ( DECORATOR_BDY | '[' DECORATOR_BDY ( ',' DECORATOR_BDY )* ','? ']' )
```

referenced by:

- CLASS_MEMBER
- STATEMENT

DECORATOR_BDY:

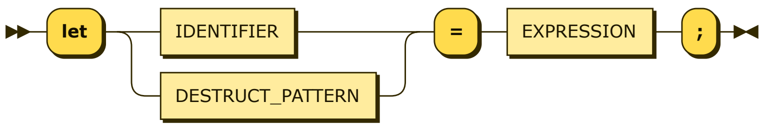


```
DECORATOR_BDY
         ::= IDENTIFIER
           | CALL_EXPR
```

referenced by:

- DECORATOR_STMT

VAR_DECL:

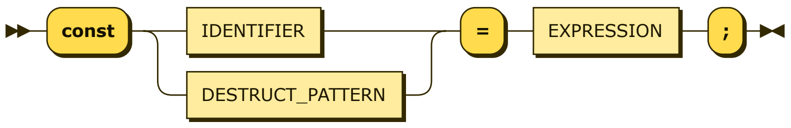


```
VAR_DECL ::= 'let' ( IDENTIFIER | DESTRUCT_PATTERN ) '=' EXPRESSION ';'
```

referenced by:

- CLASS_MEMBER
- STATEMENT

CONST_DECL:

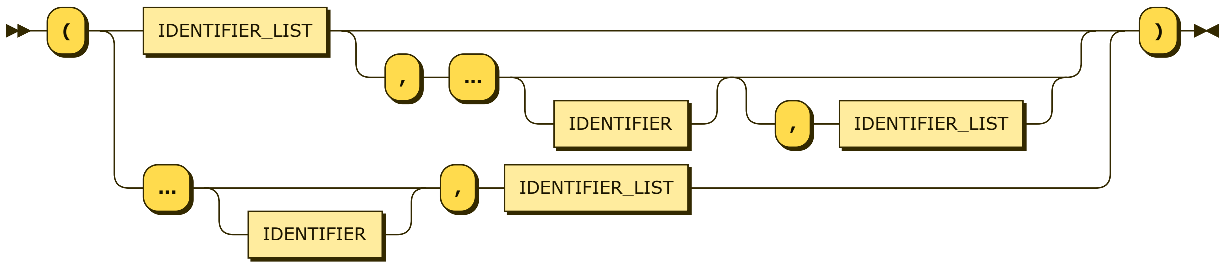


```
CONST_DECL
         ::= 'const' ( IDENTIFIER | DESTRUCT_PATTERN ) '=' EXPRESSION ';'
```

referenced by:

- CLASS_MEMBER
- STATEMENT

DESTRUCT_PATTERN:

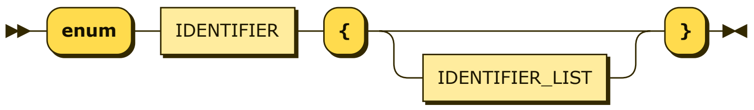


```
DESTRUCT_PATTERN
         ::= '(' ( IDENTIFIER_LIST ( ',' '...' IDENTIFIER? ( ',' IDENTIFIER_LIST )? )? | '...' IDENTIFIER? ',' IDENTIFIER_LIST ) ')'
```

referenced by:

- CONST_DECL
- FOR_LOOP_HEAD
- VAR_DECL

ENUM_DECL:

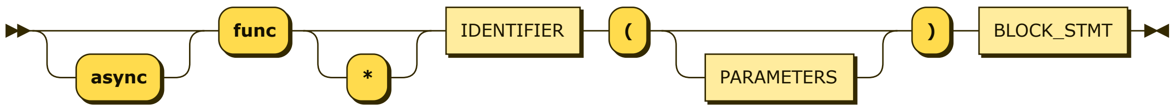


```
ENUM_DECL
         ::= 'enum' IDENTIFIER '{' IDENTIFIER_LIST? '}'
```

referenced by:

- STATEMENT

FUNC_DECL:

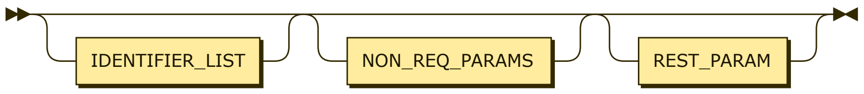


```
FUNC_DECL
         ::= 'async'? 'func' '*'? IDENTIFIER '(' PARAMETERS? ')' BLOCK_STMT
```

referenced by:

- CLASS_MEMBER
- STATEMENT

PARAMETERS:

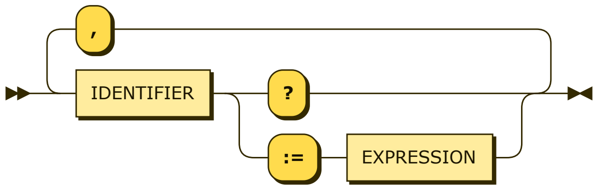


```
PARAMETERS
         ::= IDENTIFIER_LIST? NON_REQ_PARAMS? REST_PARAM?
```

referenced by:

- FUNC_DECL
- LAMBDA_EXPR
- OPERATOR_OVERLOAD

NON_REQ_PARAMS:

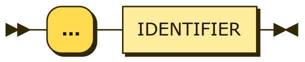


```
NON_REQ_PARAMS
         ::= IDENTIFIER ( '?' | ':=' EXPRESSION ) ( ',' IDENTIFIER ( '?' | ':=' EXPRESSION ) )*
```

referenced by:

- PARAMETERS

REST_PARAM:

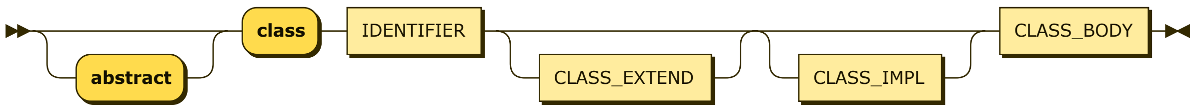


```
REST_PARAM
         ::= '...' IDENTIFIER
```

referenced by:

- PARAMETERS

CLASS_DECL:

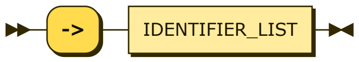


```
CLASS_DECL
         ::= 'abstract'? 'class' IDENTIFIER CLASS_EXTEND? CLASS_IMPL? CLASS_BODY
```

referenced by:

- STATEMENT

CLASS_EXTEND:

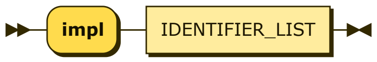


```
CLASS_EXTEND
         ::= '->' IDENTIFIER_LIST
```

referenced by:

- CLASS_DECL

CLASS_IMPL:

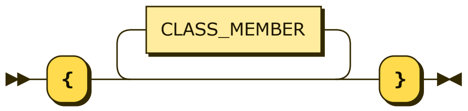


```
CLASS_IMPL
         ::= 'impl' IDENTIFIER_LIST
```

referenced by:

- CLASS_DECL

CLASS_BODY:

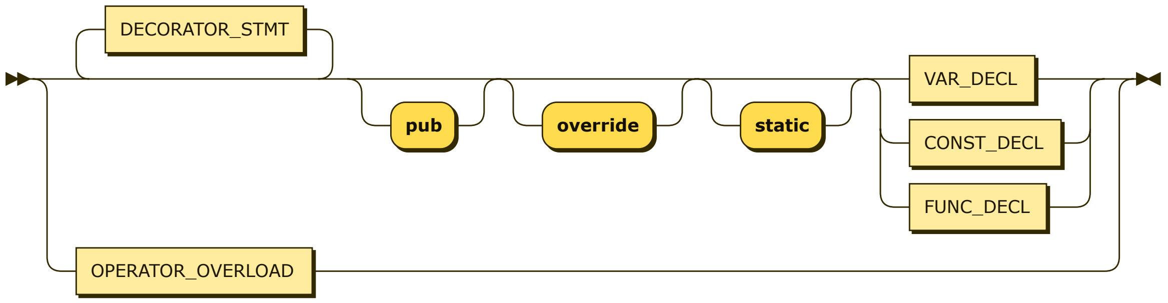


```
CLASS_BODY
         ::= '{' CLASS_MEMBER* '}'
```

referenced by:

- CLASS_DECL

CLASS_MEMBER:

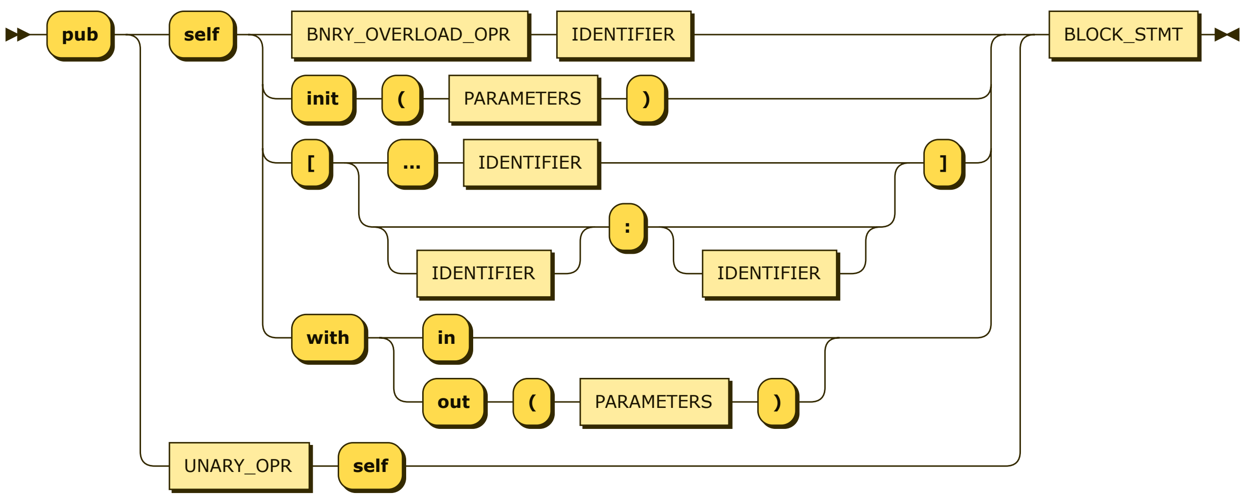


```
CLASS_MEMBER
         ::= DECORATOR_STMT* 'pub'? 'override'? 'static'? ( VAR_DECL | CONST_DECL | FUNC_DECL )
           | OPERATOR_OVERLOAD
```

referenced by:

- CLASS_BODY

OPERATOR_OVERLOAD:

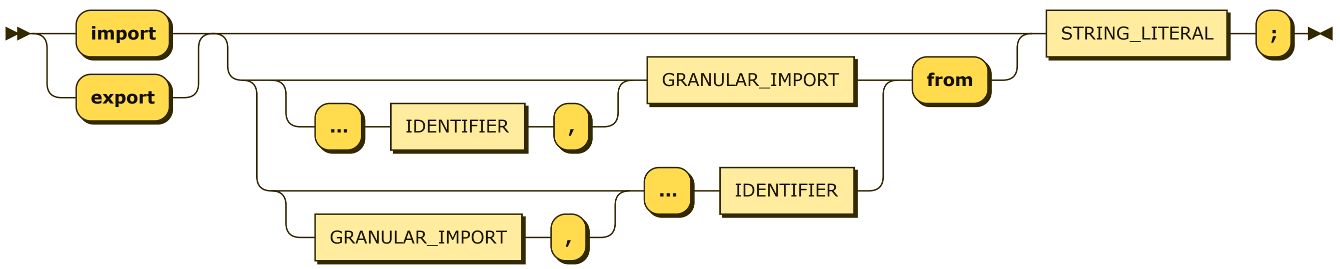


```
OPERATOR_OVERLOAD
         ::= 'pub' ( 'self' ( BNRY_OVERLOAD_OPR IDENTIFIER | 'init' '(' PARAMETERS ')' | '[' ( '...' IDENTIFIER | IDENTIFIER? ':'
             IDENTIFIER? ) ']' | 'with' ( 'in' | 'out' '(' PARAMETERS ')' ) ) | UNARY_OPR 'self' ) BLOCK_STMT
```

referenced by:

- CLASS_MEMBER

IMPORT_EXPORT_DECL:

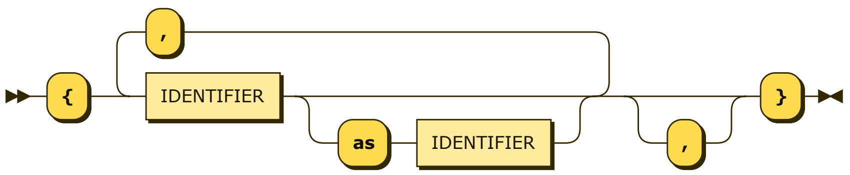


```
IMPORT_EXPORT_DECL
         ::= ( 'import' | 'export' ) ( ( ( '...' IDENTIFIER ',' )? GRANULAR_IMPORT | ( GRANULAR_IMPORT ',' )? '...' IDENTIFIER ) 'from'
             )? STRING_LITERAL ';'
```

referenced by:

- STATEMENT

GRANULAR_IMPORT:



```
GRANULAR_IMPORT
         ::= '{' IDENTIFIER ( 'as' IDENTIFIER )? ( ',' IDENTIFIER ( 'as' IDENTIFIER )? )* ','? '}'
```

referenced by:

- IMPORT_EXPORT_DECL

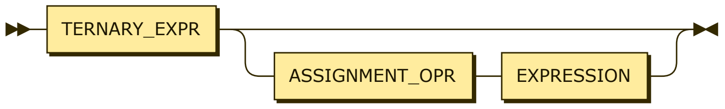
EXPRESSION:

```
EXPRESSION
         ::= REASSIGNMENT_EXPR
```

referenced by:

- ARR_TPL_LIST
- ARR_TPL_REPEAT
- BREAK_STMT
- CALL_EXPR
- COMPACT_ARR_TPL
- COMPACT_FOR_LOOP
- CONST_DECL
- DEFAULT_ARM
- DEL_STMT
- EXPR_STMT
- FOR_LOOP_HEAD
- IF_STMT
- INDEXER
- KEY_VAL_PAR
- LAMBDA_EXPR
- LITERAL_EXPR
- MATCH_EXPR_STMT
- MATCH_PATT_ARM
- NAMED_ARGS
- NON_REQ_PARAMS
- REASSIGNMENT_EXPR
- RETURN_STMT
- SINGLE_SPREAD_EXPR
- SLICE
- STRING_SEQUENCE
- TERNARY_EXPR
- THROW_STMT
- VAR_DECL
- WHILE_LOOP_STMT
- WITH_STMT_HEAD
- YIELD_STMT

REASSIGNMENT_EXPR:

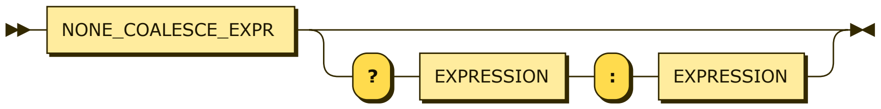


```
REASSIGNMENT_EXPR
         ::= TERNARY_EXPR ( ASSIGNMENT_OPR EXPRESSION )?
```

referenced by:

- EXPRESSION

TERNARY_EXPR:

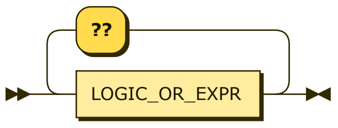


```
TERNARY_EXPR
         ::= NONE_COALESCE_EXPR ( '?' EXPRESSION ':' EXPRESSION )?
```

referenced by:

- REASSIGNMENT_EXPR

NONE_COALESCE_EXPR:

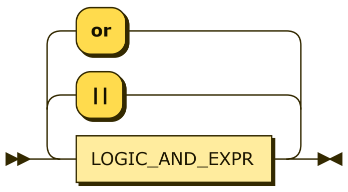


```
NONE_COALESCE_EXPR
         ::= LOGIC_OR_EXPR ( '??' LOGIC_OR_EXPR )*
```

referenced by:

- TERNARY_EXPR

LOGIC_OR_EXPR:

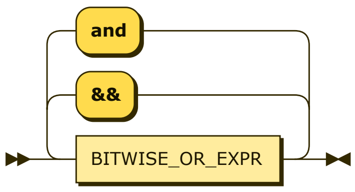


```
LOGIC_OR_EXPR
         ::= LOGIC_AND_EXPR ( ( '||' | 'or' ) LOGIC_AND_EXPR )*
```

referenced by:

- NONE_COALESCE_EXPR

LOGIC_AND_EXPR:

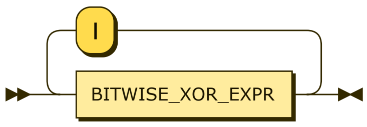


```
LOGIC_AND_EXPR
         ::= BITWISE_OR_EXPR ( ( '&&' | 'and' ) BITWISE_OR_EXPR )*
```

referenced by:

- LOGIC_OR_EXPR

BITWISE_OR_EXPR:

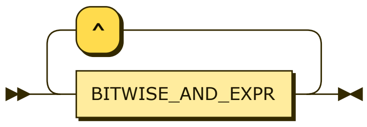


```
BITWISE_OR_EXPR
         ::= BITWISE_XOR_EXPR ( '|' BITWISE_XOR_EXPR )*
```

referenced by:

- LOGIC_AND_EXPR

BITWISE_XOR_EXPR:

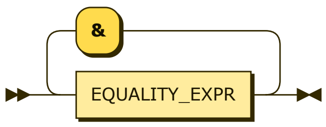


```
BITWISE_XOR_EXPR
         ::= BITWISE_AND_EXPR ( '^' BITWISE_AND_EXPR )*
```

referenced by:

- BITWISE_OR_EXPR

BITWISE_AND_EXPR:

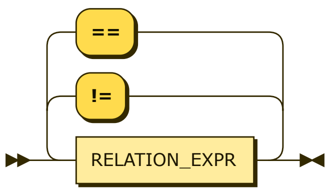


```
BITWISE_AND_EXPR
         ::= EQUALITY_EXPR ( '&' EQUALITY_EXPR )*
```

referenced by:

- BITWISE_XOR_EXPR

EQUALITY_EXPR:

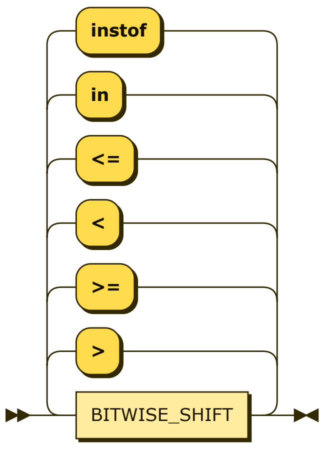


```
EQUALITY_EXPR
         ::= RELATION_EXPR ( ( '!=' | '==' ) RELATION_EXPR )*
```

referenced by:

- BITWISE_AND_EXPR

RELATION_EXPR:

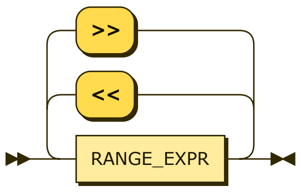


```
RELATION_EXPR
         ::= BITWISE_SHIFT ( ( '>' | '>=' | '<' | '<=' | 'in' | 'instof' ) BITWISE_SHIFT )*
```

referenced by:

- EQUALITY_EXPR

BITWISE_SHIFT:

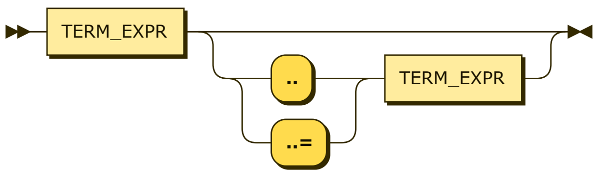


```
BITWISE_SHIFT
         ::= RANGE_EXPR ( ( '<<' | '>>' ) RANGE_EXPR )*
```

referenced by:

- RELATION_EXPR

RANGE_EXPR:

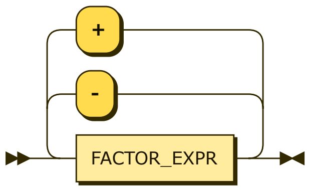


```
RANGE_EXPR
         ::= TERM_EXPR ( ( '..' | '..=' ) TERM_EXPR )?
```

referenced by:

- BITWISE_SHIFT

TERM_EXPR:

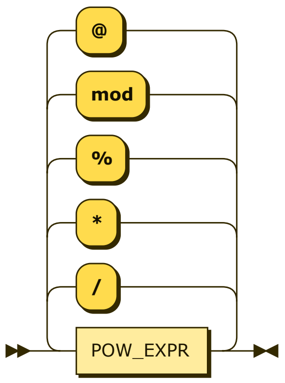


```
TERM_EXPR
         ::= FACTOR_EXPR ( ( '-' | '+' ) FACTOR_EXPR )*
```

referenced by:

- RANGE_EXPR

FACTOR_EXPR:

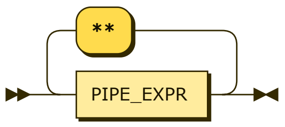


```
FACTOR_EXPR
         ::= POW_EXPR ( ( '/' | '*' | '%' | 'mod' | '@' ) POW_EXPR )*
```

referenced by:

- TERM_EXPR

POW_EXPR:

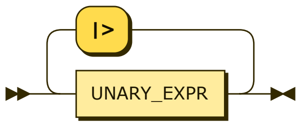


```
POW_EXPR ::= PIPE_EXPR ( '**' PIPE_EXPR )*
```

referenced by:

- FACTOR_EXPR

PIPE_EXPR:

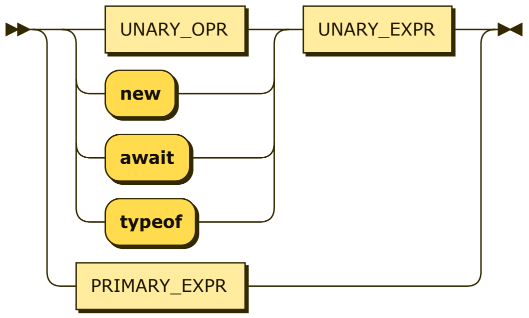


```
PIPE_EXPR
         ::= UNARY_EXPR ( '|>' UNARY_EXPR )*
```

referenced by:

- POW_EXPR

UNARY_EXPR:

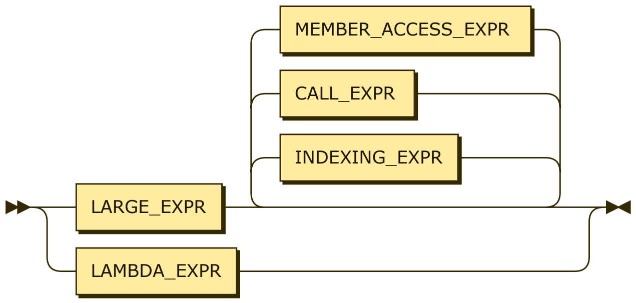


```
UNARY_EXPR
         ::= ( UNARY_OPR | 'new' | 'await' | 'typeof' ) UNARY_EXPR
           | PRIMARY_EXPR
```

referenced by:

- PIPE_EXPR
- UNARY_EXPR

PRIMARY_EXPR:

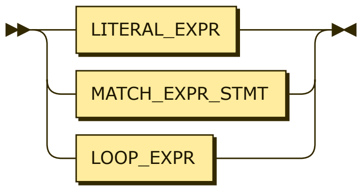


```
PRIMARY_EXPR
         ::= LAMBDA_EXPR
           | LARGE_EXPR ( INDEXING_EXPR | CALL_EXPR | MEMBER_ACCESS_EXPR )*
```

referenced by:

- UNARY_EXPR

LARGE_EXPR:

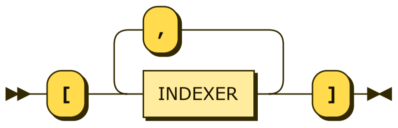


```
LARGE_EXPR
         ::= LITERAL_EXPR
           | MATCH_EXPR_STMT
           | LOOP_EXPR
```

referenced by:

- PRIMARY_EXPR

INDEXING_EXPR:

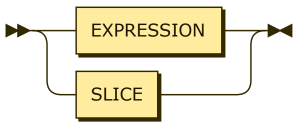


```
INDEXING_EXPR
         ::= '[' INDEXER ( ',' INDEXER )* ']'
```

referenced by:

- PRIMARY_EXPR

INDEXER:

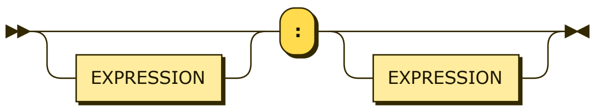


```
INDEXER  ::= EXPRESSION
           | SLICE
```

referenced by:

- INDEXING_EXPR

SLICE:

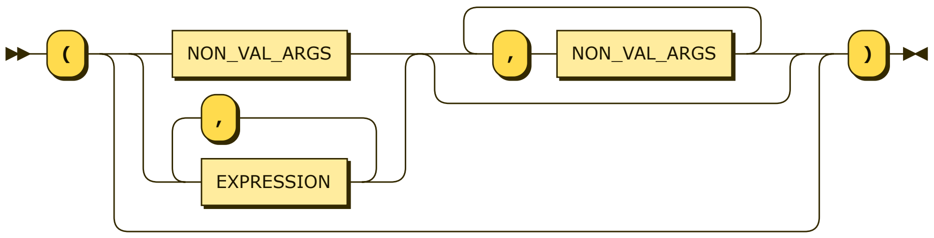


```
SLICE    ::= EXPRESSION? ':' EXPRESSION?
```

referenced by:

- INDEXER

CALL_EXPR:

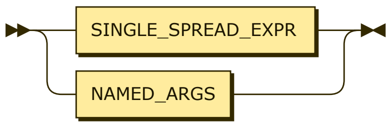


```
CALL_EXPR
         ::= '(' ( ( NON_VAL_ARGS | EXPRESSION ( ',' EXPRESSION )* ) ( ',' NON_VAL_ARGS )* )? ')'
```

referenced by:

- DECORATOR_BDY
- PRIMARY_EXPR

NON_VAL_ARGS:

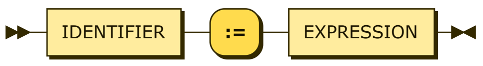


```
NON_VAL_ARGS
         ::= SINGLE_SPREAD_EXPR
           | NAMED_ARGS
```

referenced by:

- CALL_EXPR

NAMED_ARGS:

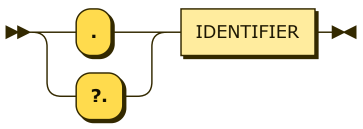


```
NAMED_ARGS
         ::= IDENTIFIER ':=' EXPRESSION
```

referenced by:

- NON_VAL_ARGS

MEMBER_ACCESS_EXPR:

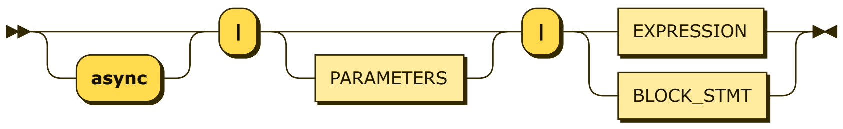


```
MEMBER_ACCESS_EXPR
         ::= ( '.' | '?.' ) IDENTIFIER
```

referenced by:

- PRIMARY_EXPR

LAMBDA_EXPR:

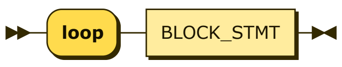


```
LAMBDA_EXPR
         ::= 'async'? '|' PARAMETERS? '|' ( EXPRESSION | BLOCK_STMT )
```

referenced by:

- PRIMARY_EXPR

LOOP_EXPR:

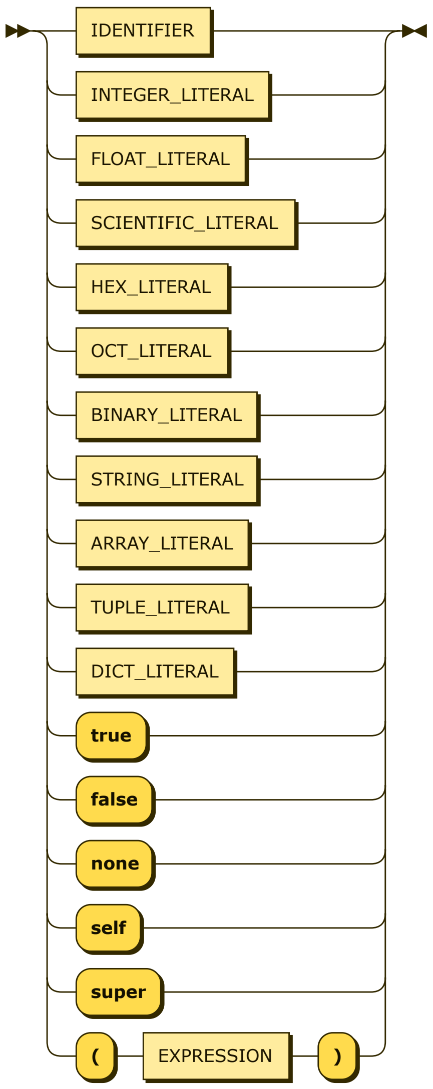


```
LOOP_EXPR
         ::= 'loop' BLOCK_STMT
```

referenced by:

- LARGE_EXPR
- STATEMENT

LITERAL_EXPR:

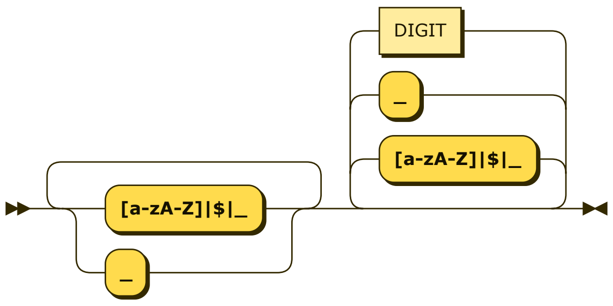


```
LITERAL_EXPR
         ::= IDENTIFIER
           | INTEGER_LITERAL
           | FLOAT_LITERAL
           | SCIENTIFIC_LITERAL
           | HEX_LITERAL
           | OCT_LITERAL
           | BINARY_LITERAL
           | STRING_LITERAL
           | ARRAY_LITERAL
           | TUPLE_LITERAL
           | DICT_LITERAL
           | 'true'
           | 'false'
           | 'none'
           | 'self'
           | 'super'
           | '(' EXPRESSION ')'
```

referenced by:

- LARGE_EXPR
- MATCH_PATT_ARM

IDENTIFIER:

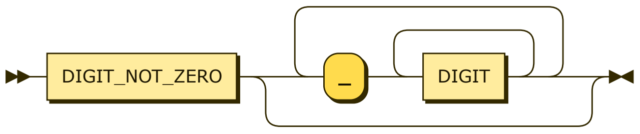


```
IDENTIFIER
         ::= ( '[a-zA-Z]|$|_' | '_' )+ ( '[a-zA-Z]|$|_' | '_' | DIGIT )*
```

referenced by:

- CLASS_DECL
- CONST_DECL
- DECORATOR_BDY
- DESTRUCT_PATTERN
- ENUM_DECL
- FOR_LOOP_HEAD
- FUNC_DECL
- GRANULAR_IMPORT
- IDENTIFIER_LIST
- IMPORT_EXPORT_DECL
- KEY_VAL_PAR
- LITERAL_EXPR
- MEMBER_ACCESS_EXPR
- NAMED_ARGS
- NAMED_CATCH
- NON_REQ_PARAMS
- OPERATOR_OVERLOAD
- REST_PARAM
- VAR_DECL
- WHILE_LOOP_STMT
- WITH_STMT_HEAD

INTEGER_LITERAL:

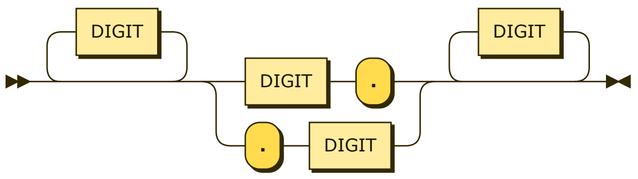


```
INTEGER_LITERAL
         ::= DIGIT_NOT_ZERO ( '_' DIGIT+ )*
```

referenced by:

- KEY_VAL_PAR
- LITERAL_EXPR
- SCIENTIFIC_LITERAL

FLOAT_LITERAL:

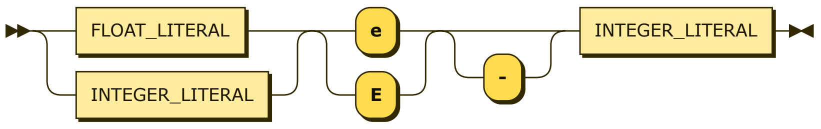


```
FLOAT_LITERAL
         ::= DIGIT* ( DIGIT '.' | '.' DIGIT ) DIGIT*
```

referenced by:

- LITERAL_EXPR
- SCIENTIFIC_LITERAL

SCIENTIFIC_LITERAL:

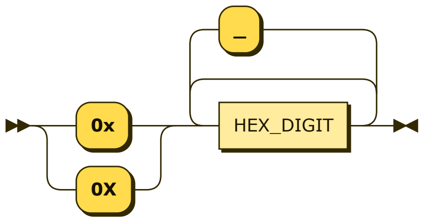


```
SCIENTIFIC_LITERAL
         ::= ( FLOAT_LITERAL | INTEGER_LITERAL ) ( 'e' | 'E' ) '-'? INTEGER_LITERAL
```

referenced by:

- LITERAL_EXPR

HEX_LITERAL:

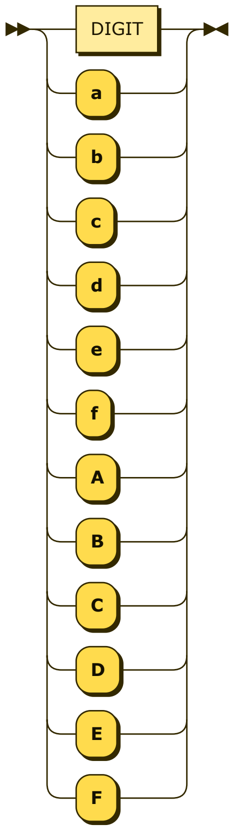


```
HEX_LITERAL
         ::= ( '0x' | '0X' ) HEX_DIGIT ( '_'? HEX_DIGIT )*
```

referenced by:

- KEY_VAL_PAR
- LITERAL_EXPR

HEX_DIGIT:



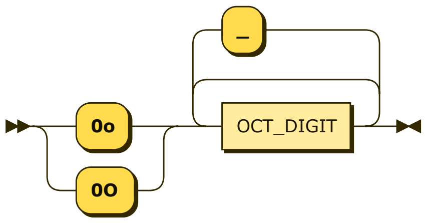
```
HEX_DIGIT
         ::= DIGIT
           | 'a'
           | 'b'
           | 'c'
           | 'd'
           | 'e'
           | 'f'
           | 'A'
```

```
            | 'B'
            | 'C'
            | 'D'
            | 'E'
            | 'F'
```

referenced by:

- HEX_LITERAL

OCT_LITERAL:

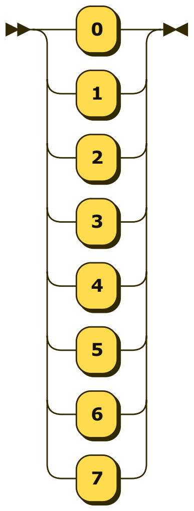


```
OCT_LITERAL
         ::= ( '0o' | '0O' ) OCT_DIGIT ( '_'? OCT_DIGIT )*
```

referenced by:

- KEY_VAL_PAR
- LITERAL_EXPR

OCT_DIGIT:

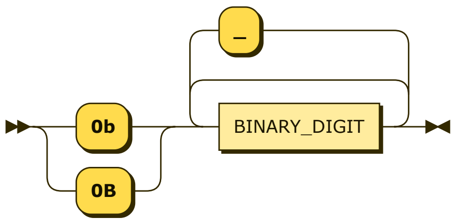


```
OCT_DIGIT
         ::= '0'
           | '1'
           | '2'
           | '3'
           | '4'
           | '5'
           | '6'
           | '7'
```

referenced by:

- OCT_LITERAL

BINARY_LITERAL:

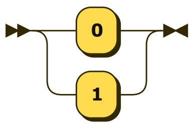


```
BINARY_LITERAL
         ::= ( '0b' | '0B' ) BINARY_DIGIT ( '_'? BINARY_DIGIT )*
```

referenced by:

- KEY_VAL_PAR
- LITERAL_EXPR

BINARY_DIGIT:

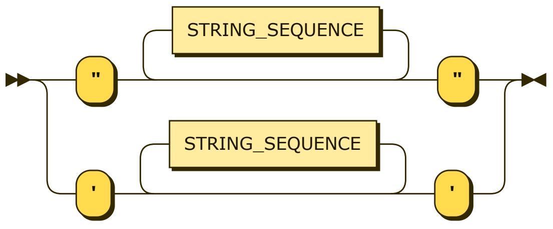


```
BINARY_DIGIT
         ::= '0'
           | '1'
```

referenced by:

- BINARY_LITERAL

STRING_LITERAL:

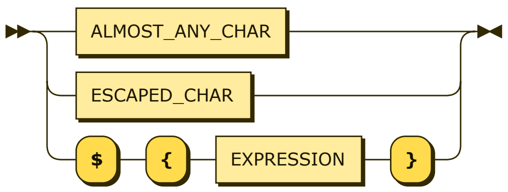


```
STRING_LITERAL
         ::= '"' STRING_SEQUENCE* '"'
           | "'" STRING_SEQUENCE* "'"
```

referenced by:

- IMPORT_EXPORT_DECL
- KEY_VAL_PAR
- LITERAL_EXPR

STRING_SEQUENCE:

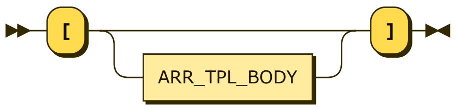


```
STRING_SEQUENCE
         ::= ALMOST_ANY_CHAR
           | ESCAPED_CHAR
           | '$' '{' EXPRESSION '}'
```

referenced by:

- STRING_LITERAL

ARRAY_LITERAL:

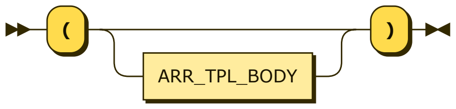


```
ARRAY_LITERAL
         ::= '[' ARR_TPL_BODY? ']'
```

referenced by:

- LITERAL_EXPR

TUPLE_LITERAL:

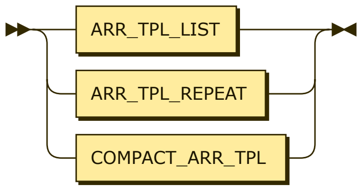


```
TUPLE_LITERAL
         ::= '(' ARR_TPL_BODY? ')'
```

referenced by:

- KEY_VAL_PAR
- LITERAL_EXPR

ARR_TPL_BODY:

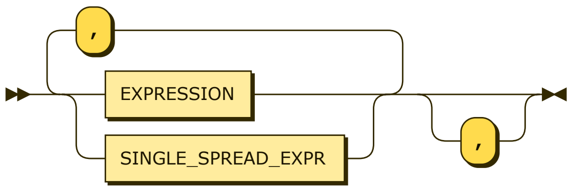


```
ARR_TPL_BODY
         ::= ARR_TPL_LIST
           | ARR_TPL_REPEAT
           | COMPACT_ARR_TPL
```

referenced by:

- ARRAY_LITERAL
- TUPLE_LITERAL

ARR_TPL_LIST:

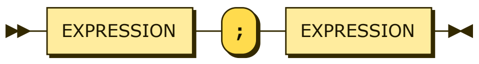


```
ARR_TPL_LIST
         ::= ( EXPRESSION | SINGLE_SPREAD_EXPR ) ( ',' ( EXPRESSION | SINGLE_SPREAD_EXPR ) )* ','?
```

referenced by:

- ARR_TPL_BODY

ARR_TPL_REPEAT:

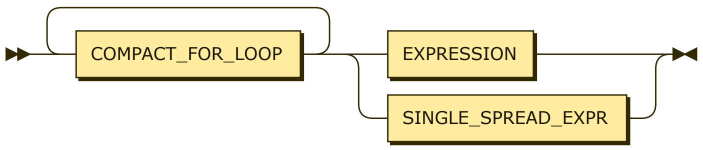


```
ARR_TPL_REPEAT
         ::= EXPRESSION ';' EXPRESSION
```

referenced by:

- ARR_TPL_BODY

COMPACT_ARR_TPL:

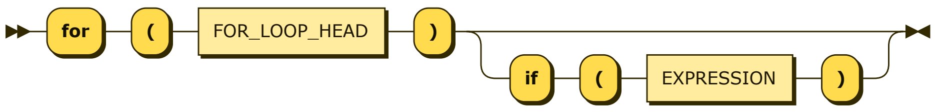


```
COMPACT_ARR_TPL
         ::= COMPACT_FOR_LOOP+ ( EXPRESSION | SINGLE_SPREAD_EXPR )
```

referenced by:

- ARR_TPL_BODY

COMPACT_FOR_LOOP:

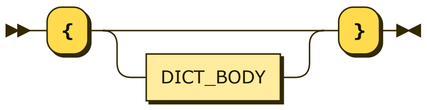


```
COMPACT_FOR_LOOP
         ::= 'for' '(' FOR_LOOP_HEAD ')' ( 'if' '(' EXPRESSION ')' )?
```

referenced by:

- COMPACT_ARR_TPL
- COMPACT_DICT

DICT_LITERAL:

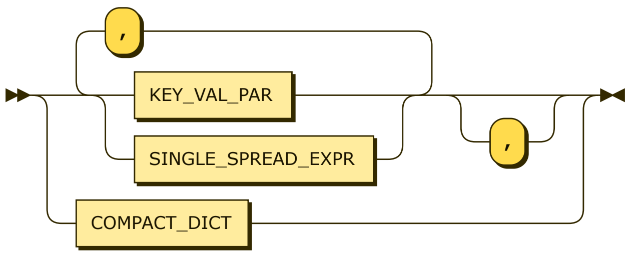


```
DICT_LITERAL
         ::= '{' DICT_BODY? '}'
```

referenced by:

- LITERAL_EXPR

DICT_BODY:

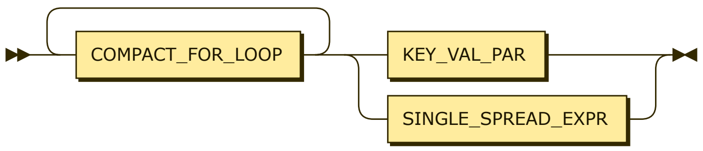


```
DICT_BODY
         ::= ( KEY_VAL_PAR | SINGLE_SPREAD_EXPR ) ( ',' ( KEY_VAL_PAR | SINGLE_SPREAD_EXPR ) )* ','?
           | COMPACT_DICT
```

referenced by:

- DICT_LITERAL

COMPACT_DICT:

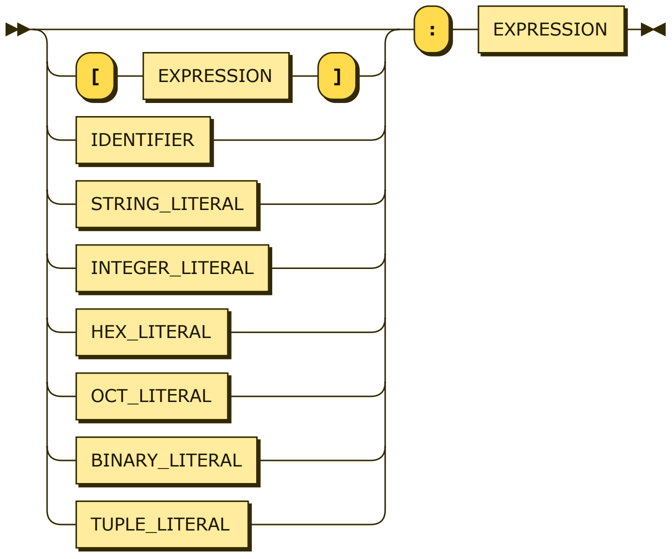


```
COMPACT_DICT
         ::= COMPACT_FOR_LOOP+ ( KEY_VAL_PAR | SINGLE_SPREAD_EXPR )
```

referenced by:

- DICT_BODY

KEY_VAL_PAR:

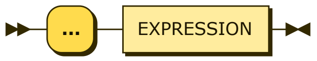


```
KEY_VAL_PAR
         ::= ( '[' EXPRESSION ']' | IDENTIFIER | STRING_LITERAL | INTEGER_LITERAL | HEX_LITERAL | OCT_LITERAL | BINARY_LITERAL |
             TUPLE_LITERAL )? ':' EXPRESSION
```

referenced by:

- COMPACT_DICT
- DICT_BODY

SINGLE_SPREAD_EXPR:

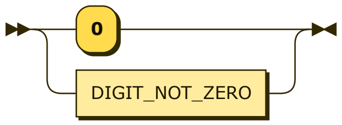


```
SINGLE_SPREAD_EXPR
         ::= '...' EXPRESSION
```

referenced by:

- ARR_TPL_LIST
- COMPACT_ARR_TPL
- COMPACT_DICT
- DICT_BODY
- NON_VAL_ARGS

DIGIT:

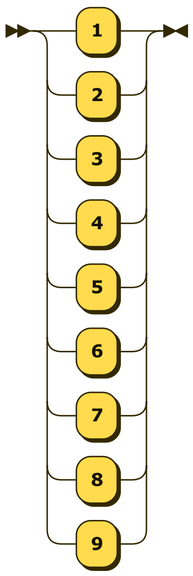


```
DIGIT    ::= '0'
           | DIGIT_NOT_ZERO
```

referenced by:

- FLOAT_LITERAL
- HEX_DIGIT
- IDENTIFIER
- INTEGER_LITERAL

DIGIT_NOT_ZERO:

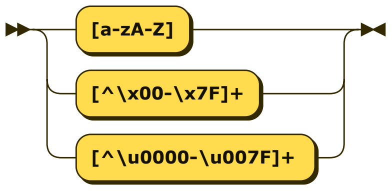


```
DIGIT_NOT_ZERO
         ::= '1'
           | '2'
           | '3'
           | '4'
           | '5'
           | '6'
           | '7'
           | '8'
           | '9'
```

referenced by:

- DIGIT
- INTEGER_LITERAL

ALMOST_ANY_CHAR:

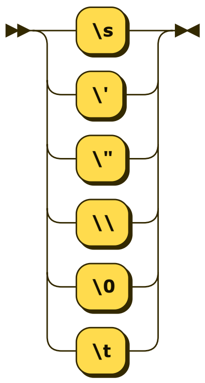


```
ALMOST_ANY_CHAR
         ::= '[a-zA-Z]'
           | '[^\x00-\x7F]+'
           | '[^\u0000-\u007F]+'
```

referenced by:

- STRING_SEQUENCE

ESCAPED_CHAR:



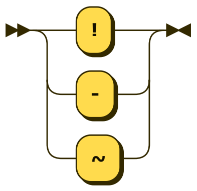
```
ESCAPED_CHAR
```

```
             ::= '\s'
               | "\'"
               | '\"'
               | '\\'
               | '\0'
               | '\t'
```

referenced by:

- STRING_SEQUENCE

UNARY_OPR:

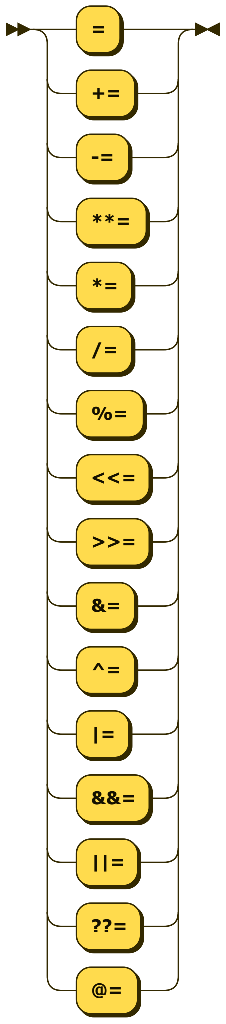


```
UNARY_OPR
         ::= '!'
           | '-'
           | '~'
```

referenced by:

- OPERATOR_OVERLOAD
- UNARY_EXPR

ASSIGNMENT_OPR:



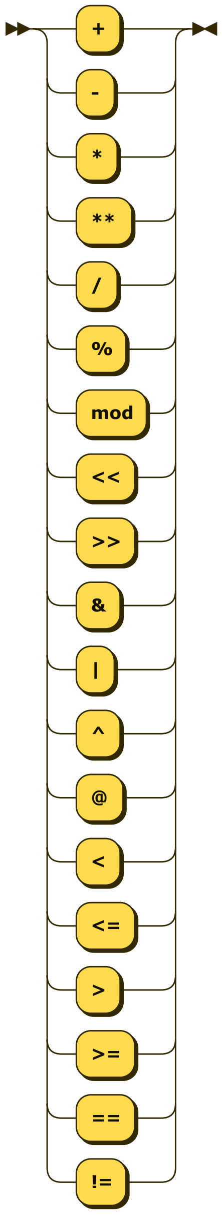
```
ASSIGNMENT_OPR
         ::= '='
           | '+='
```

```
               | '-='
               | '**='
               | '*='
               | '/='
               | '%='
               | '<<='
               | '>>='
               | '&='
               | '^='
               | '|='
               | '&&='
               | '||='
               | '??='
               | '@='
```

referenced by:

- REASSIGNMENT_EXPR

BNRY_OVERLOAD_OPR:



```
BNRY_OVERLOAD_OPR
         ::= '+'
           | '-'
           | '*'
           | '**'
           | '/'
           | '%'
           | 'mod'
           | '<<'
           | '>>'
           | '&'
         | '|'
         | '^'
         | '@'
         | '<'
         | '<='
         | '>'
         | '>='
         | '=='
         | '!='
```

referenced by:

- OPERATOR_OVERLOAD
