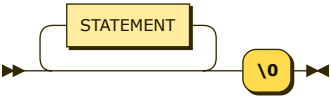


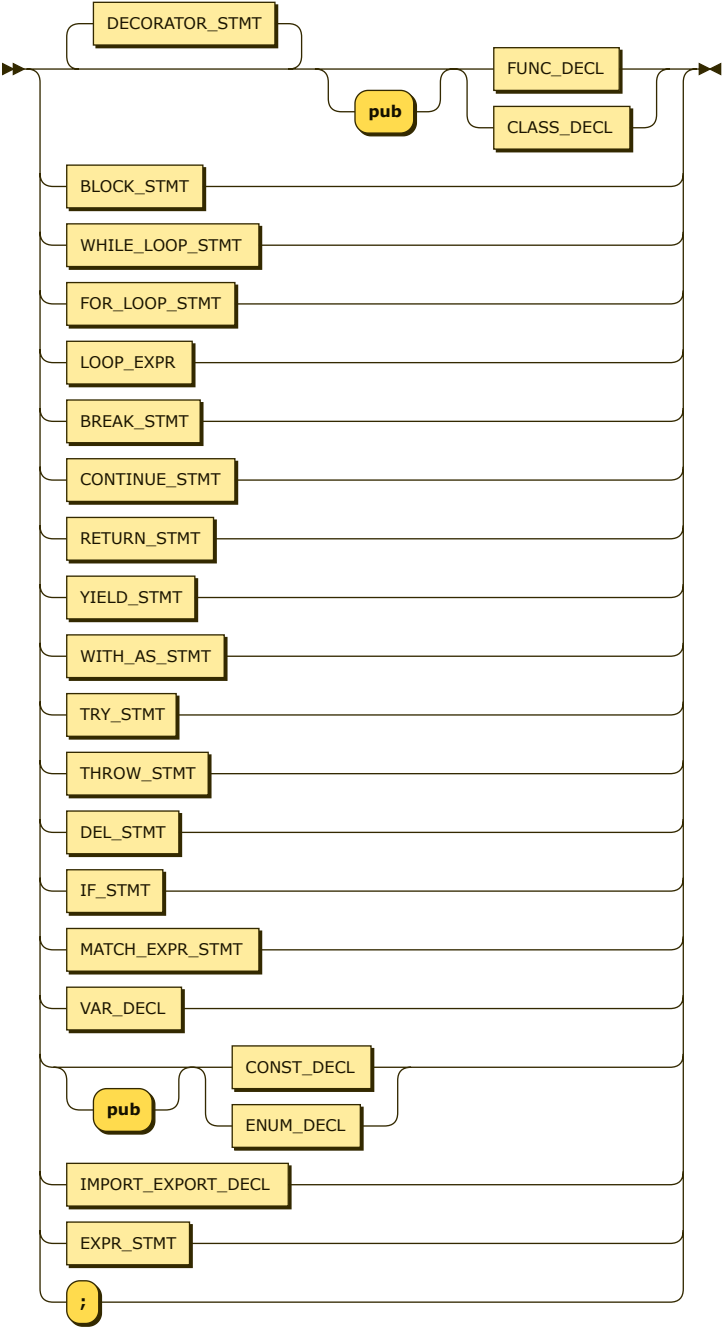
MODULE:



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

```

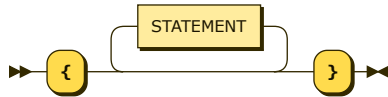
| IF_STMT
| MATCH_EXPR_STMT
| VAR_DECL
| 'pub'? ( CONST_DECL | ENUM_DECL )
| IMPORT_EXPORT_DECL
| DECORATOR_STMT* 'pub'? ( FUNC_DECL | CLASS_DECL )
| EXPR_STMT
| ';'

```

referenced by:

- [BLOCK_STMT](#)
- [MODULE](#)

BLOCK_STMT:



```

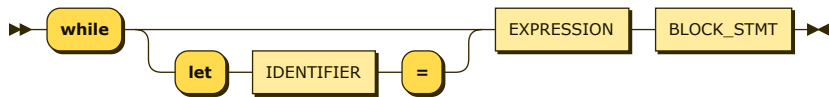
BLOCK_STMT
    ::= '{' STATEMENT* '}'

```

referenced by:

- [CLS_MEMBER](#)
- [DEFAULT_ARM](#)
- [DEFAULT_CATCH](#)
- [FINALLY_PART](#)
- [FOR_LOOP_STMT](#)
- [FUNC_DECL](#)
- [IF_STMT](#)
- [LAMBDA_EXPR](#)
- [LOOP_EXPR](#)
- [MATCH_PATT_ARM](#)
- [NAMED_CATCH](#)
- [STATEMENT](#)
- [TRY_STMT](#)
- [WHILE_LOOP_STMT](#)
- [WITH_AS_STMT](#)

WHILE_LOOP_STMT:



```

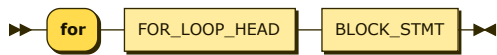
WHILE_LOOP_STMT
    ::= 'while' ( 'let' IDENTIFIER '=' )? EXPRESSION BLOCK_STMT

```

referenced by:

- [STATEMENT](#)

FOR_LOOP_STMT:



```

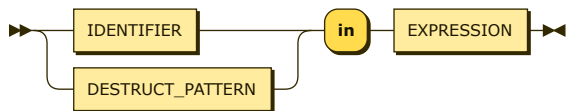
FOR_LOOP_STMT
    ::= 'for' FOR_LOOP_HEAD BLOCK_STMT

```

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:

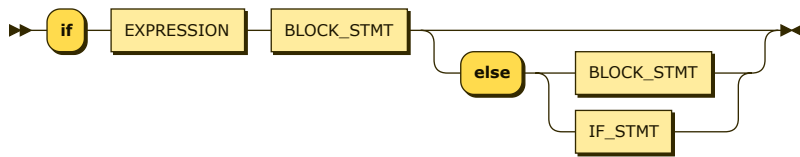


DEL_STMT ::= 'del' EXPRESSION ';'

referenced by:

- STATEMENT

IF_STMT:

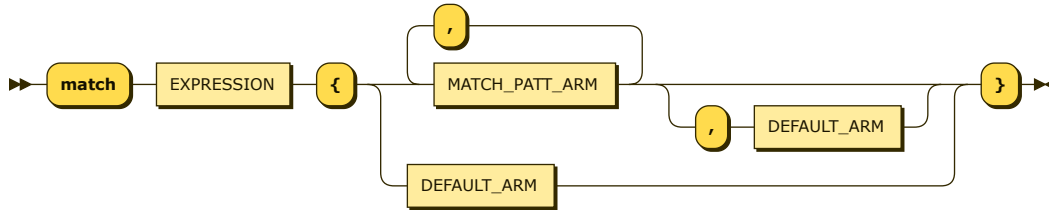


IF_STMT ::= 'if' EXPRESSION BLOCK_STMT ('else' (BLOCK_STMT | IF_STMT))?

referenced by:

- IF_STMT
- STATEMENT

MATCH_EXPR_STMT:

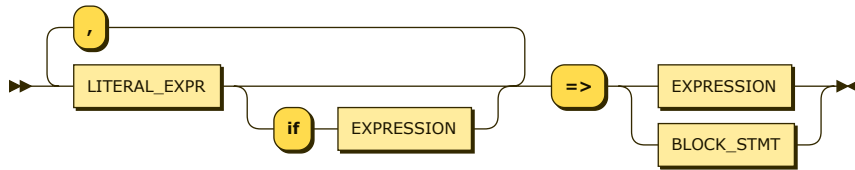


MATCH_EXPR_STMT ::= 'match' EXPRESSION '{' (MATCH_PATT_ARM (',' MATCH_PATT_ARM)* (',' DEFAULT_ARM)? | DEFAULT_ARM) '}'

referenced by:

- LARGE_EXPR
- STATEMENT

MATCH_PATT_ARM:

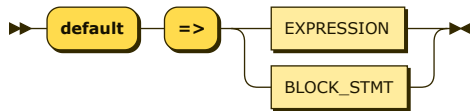


MATCH_PATT_ARM ::= LITERAL_EXPR ('if' EXPRESSION)? (',' LITERAL_EXPR ('if' EXPRESSION)?)* '=>' (EXPRESSION | BLOCK_STMT)

referenced by:

- MATCH_EXPR_STMT

DEFAULT_ARM:

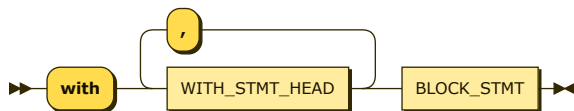


DEFAULT_ARM ::= 'default' '=>' (EXPRESSION | BLOCK_STMT)

referenced by:

- MATCH_EXPR_STMT

WITH_AS_STMT:

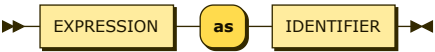


WITH_AS_STMT ::= 'with' WITH_STMT_HEAD (',' WITH_STMT_HEAD)* BLOCK_STMT

referenced by:

- STATEMENT

WITH_STMT_HEAD:

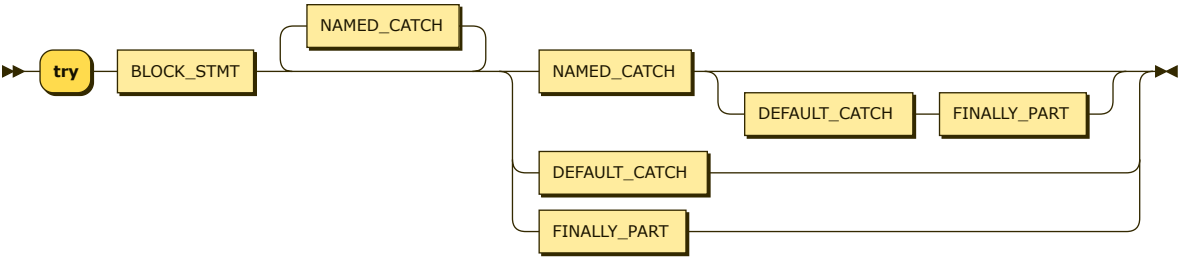


WITH_STMT_HEAD
 ::= EXPRESSION 'as' IDENTIFIER

referenced by:

- WITH_AS_STMT

TRY_STMT:

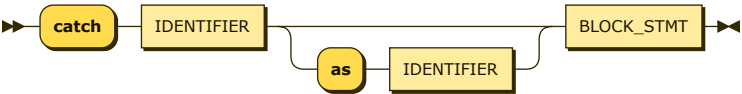


TRY_STMT ::= 'try' BLOCK_STMT NAMED_CATCH* (NAMED_CATCH (DEFAULT_CATCH FINALLY_PART)? | DEFAULT_CATCH | FINALLY_PART)

referenced by:

- STATEMENT

NAMED_CATCH:

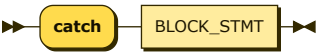


NAMED_CATCH
 ::= 'catch' IDENTIFIER ('as' IDENTIFIER)? BLOCK_STMT

referenced by:

- TRY_STMT

DEFAULT_CATCH:

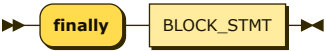


DEFAULT_CATCH
 ::= 'catch' BLOCK_STMT

referenced by:

- TRY_STMT

FINALLY_PART:



FINALLY_PART
 ::= 'finally' BLOCK_STMT

referenced by:

- TRY_STMT

EXPR_STMT:

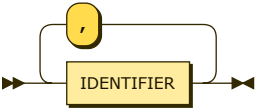


EXPR_STMT
 ::= EXPRESSION ';'

referenced by:

- [STATEMENT](#)

IDENTIFIER_LIST:

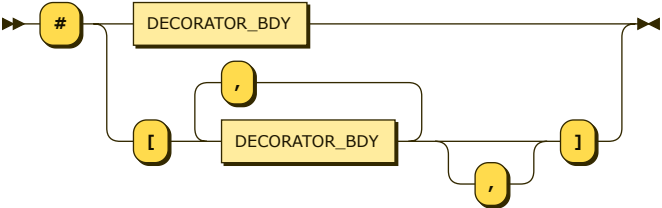


IDENTIFIER_LIST
 ::= IDENTIFIER (',' IDENTIFIER)*

referenced by:

- [CLS_EXTEND](#)
- [CLS_IMPL](#)
- [DESTRUCT_PATTERN](#)
- [ENUM_DECL](#)
- [PARAMETERS](#)

DECORATOR_STMT:

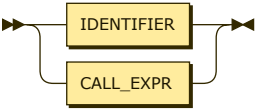


DECORATOR_STMT
 ::= '#' (DECORATOR_BDY | '[' DECORATOR_BDY (',' DECORATOR_BDY)* ','? ']')

referenced by:

- [CLS_MEMBER](#)
- [CLS_PARAM_MODE](#)
- [STATEMENT](#)

DECORATOR_BDY:

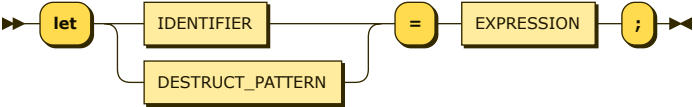


DECORATOR_BDY
 ::= IDENTIFIER
 | CALL_EXPR

referenced by:

- [DECORATOR_STMT](#)

VAR_DECL:

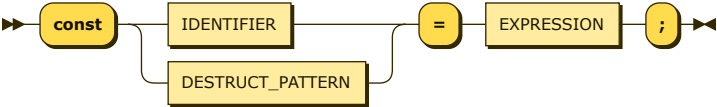


VAR_DECL ::= 'let' (IDENTIFIER | DESTRUCT_PATTERN) '=' EXPRESSION ';' ;

referenced by:

- [CLS_MEMBER](#)
- [STATEMENT](#)

CONST_DECL:

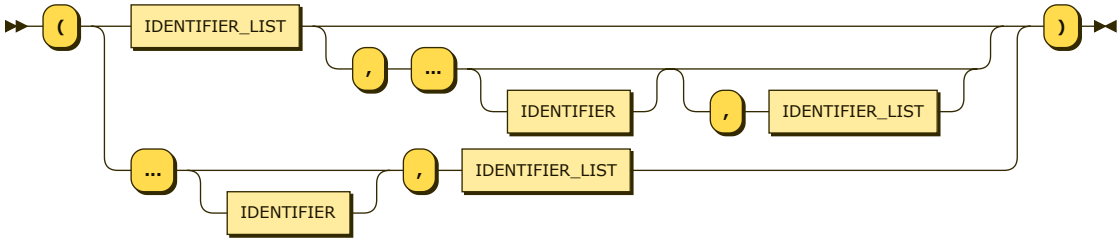


CONST_DECL
 ::= 'const' (IDENTIFIER | DESTRUCT_PATTERN) '=' EXPRESSION ';'

referenced by:

- [CLS_MEMBER](#)
- [STATEMENT](#)

DESTRUCT_PATTERN:

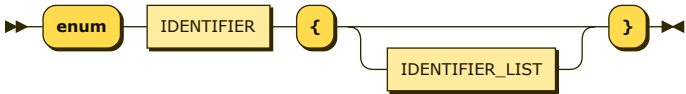


DESTRUCT_PATTERN
 ::= '(' (IDENTIFIER_LIST (',' '...' IDENTIFIER? (',' IDENTIFIER_LIST)?)? | '...' IDENTIFIER? ',' IDENTIFIER_LIST) ')'

referenced by:

- [CONST_DECL](#)
- [FOR_LOOP_HEAD](#)
- [VAR_DECL](#)

ENUM_DECL:

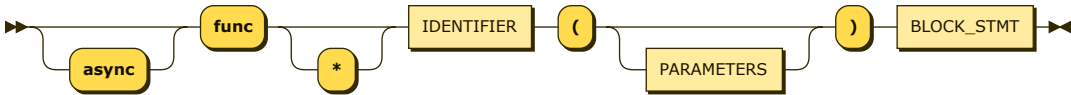


ENUM_DECL
 ::= 'enum' IDENTIFIER '{' IDENTIFIER_LIST? '}'

referenced by:

- [STATEMENT](#)

FUNC_DECL:

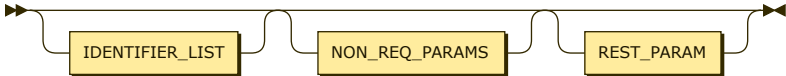


FUNC_DECL
 ::= 'async'? 'func' '*'? IDENTIFIER '(' PARAMETERS? ')' BLOCK_STMT

referenced by:

- [CLS_MEMBER](#)
- [STATEMENT](#)

PARAMETERS:

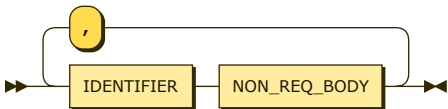


PARAMETERS
 ::= IDENTIFIER_LIST? NON_REQ_PARAMS? REST_PARAM?

referenced by:

- [FUNC_DECL](#)
- [LAMBDA_EXPR](#)

NON_REQ_PARAMS:

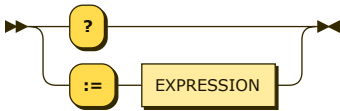


NON_REQ_PARAMS
 ::= IDENTIFIER NON_REQ_BODY (',' IDENTIFIER NON_REQ_BODY)*

referenced by:

- PARAMETERS

NON_REQ_BODY:



NON_REQ_BODY
 ::= '?'
 | ':= ' EXPRESSION

referenced by:

- CLS_NON_REQ_PARAMS
- NON_REQ_PARAMS

REST_PARAM:

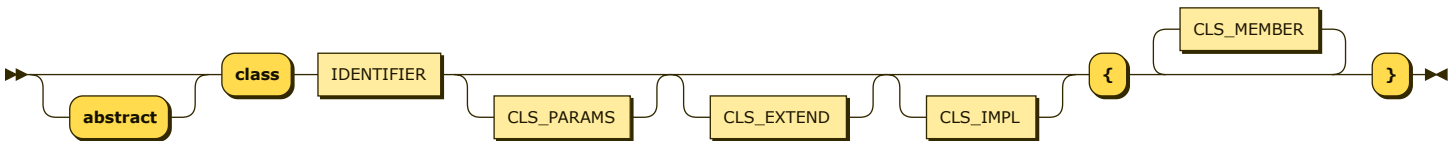


REST_PARAM
 ::= '...' IDENTIFIER

referenced by:

- CLS_PARAMS
- PARAMETERS

CLASS_DECL:

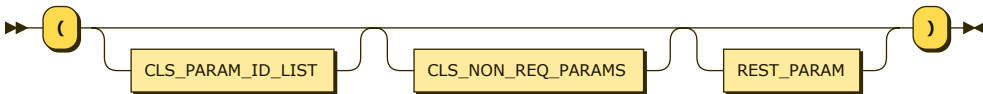


CLASS_DECL
 ::= 'abstract'? 'class' IDENTIFIER CLS_PARAMS? CLS_EXTEND? CLS_IMPL? '{' CLS_MEMBER* '}'

referenced by:

- STATEMENT

CLS_PARAMS:

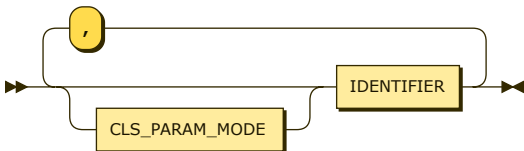


CLS_PARAMS
 ::= '(' CLS_PARAM_ID_LIST? CLS_NON_REQ_PARAMS? REST_PARAM? ')'

referenced by:

- CLASS_DECL

CLS_PARAM_ID_LIST:

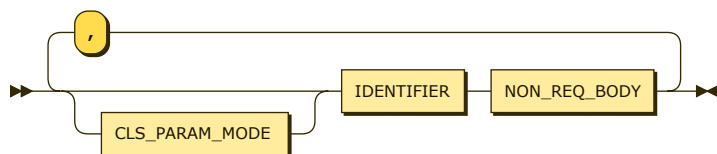


CLS_PARAM_ID_LIST
 ::= CLS_PARAM_MODE? IDENTIFIER (',' CLS_PARAM_MODE? IDENTIFIER)*

referenced by:

- [CLS_PARAMS](#)

CLS_NON_REQ_PARAMS:

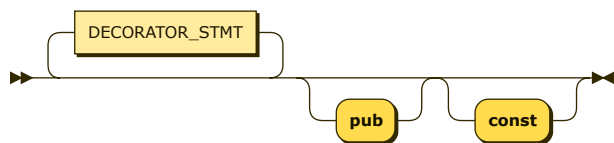


CLS_NON_REQ_PARAMS
 ::= CLS_PARAM_MODE? IDENTIFIER NON_REQ_BODY (',' CLS_PARAM_MODE? IDENTIFIER NON_REQ_BODY)*

referenced by:

- [CLS_PARAMS](#)

CLS_PARAM_MODE:

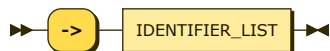


CLS_PARAM_MODE
 ::= DECORATOR_STMT* 'pub'? 'const'?

referenced by:

- [CLS_NON_REQ_PARAMS](#)
- [CLS_PARAM_ID_LIST](#)

CLS_EXTEND:

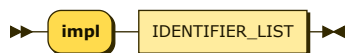


CLS_EXTEND
 ::= '-'? IDENTIFIER_LIST

referenced by:

- [CLASS_DECL](#)

CLS_IMPL:

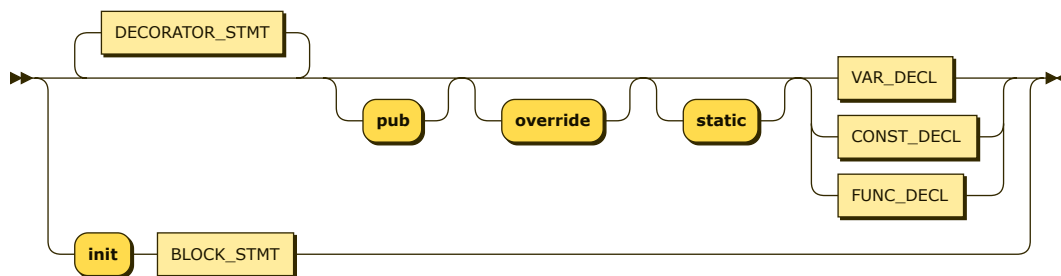


CLS_IMPL ::= 'impl' IDENTIFIER_LIST

referenced by:

- [CLASS_DECL](#)

CLS_MEMBER:

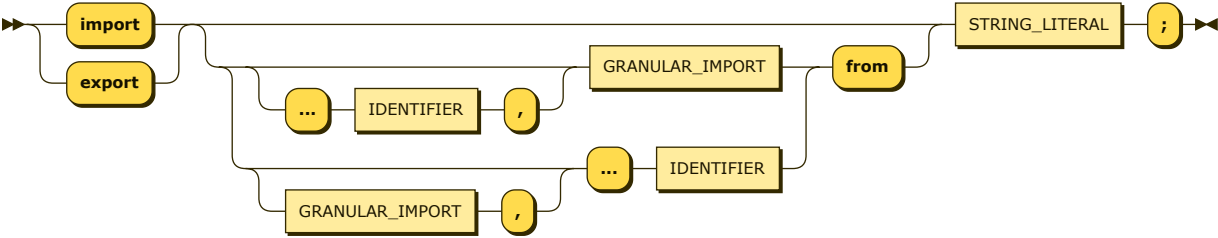


CLS_MEMBER
 ::= DECORATOR_STMT* 'pub'? 'override'? 'static'? (VAR_DECL | CONST_DECL | FUNC_DECL)
 | 'init' BLOCK_STMT

referenced by:

- [CLASS_DECL](#)

IMPORT_EXPORT_DECL:

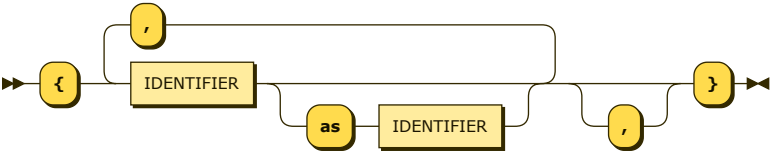


IMPORT_EXPORT_DECL ::= ('import' | 'export') ((('...' IDENTIFIER ',')? GRANULAR_IMPORT | (GRANULAR_IMPORT ',')? '...' IDENTIFIER) 'from')? STRING_LITERAL ;

referenced by:

- [STATEMENT](#)

GRANULAR_IMPORT:



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

referenced by:

- [IMPORT_EXPORT_DECL](#)

EXPRESSION:

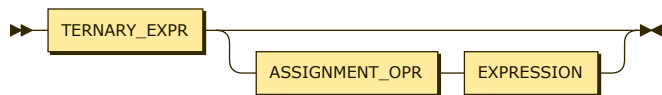


EXPRESSION ::= REASSIGNMENT_EXPR

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_BODY](#)
- [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:

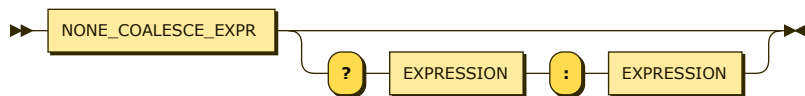


REASSIGNMENT_EXPR
 ::= TERNARY_EXPR (ASSIGNMENT_OPR EXPRESSION)?

referenced by:

- EXPRESSION

TERNARY_EXPR:

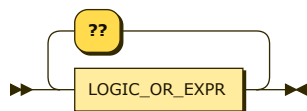


TERNARY_EXPR
 ::= NONE_COALESCE_EXPR ('?' EXPRESSION ':' EXPRESSION)?

referenced by:

- REASSIGNMENT_EXPR

NONE_COALESCE_EXPR:

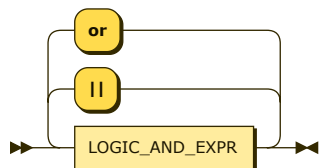


NONE_COALESCE_EXPR
 ::= LOGIC_OR_EXPR ('??' LOGIC_OR_EXPR)*

referenced by:

- TERNARY_EXPR

LOGIC_OR_EXPR:

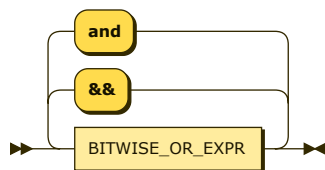


LOGIC_OR_EXPR
 ::= LOGIC_AND_EXPR (('||' | 'or') LOGIC_AND_EXPR)*

referenced by:

- NONE_COALESCE_EXPR

LOGIC_AND_EXPR:

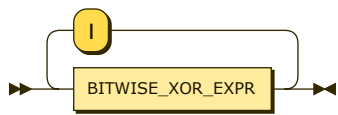


LOGIC_AND_EXPR
 ::= BITWISE_OR_EXPR (('&&' | 'and') BITWISE_OR_EXPR)*

referenced by:

- LOGIC_OR_EXPR

BITWISE_OR_EXPR:

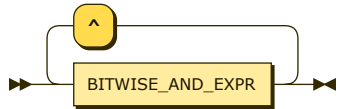


BITWISE_OR_EXPR
 ::= BITWISE_XOR_EXPR ('|' BITWISE_XOR_EXPR)*

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:

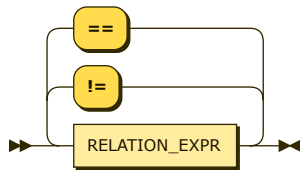


BITWISE_AND_EXPR
 ::= EQUALITY_EXPR ('&' EQUALITY_EXPR)*

referenced by:

- BITWISE_XOR_EXPR

EQUALITY_EXPR:

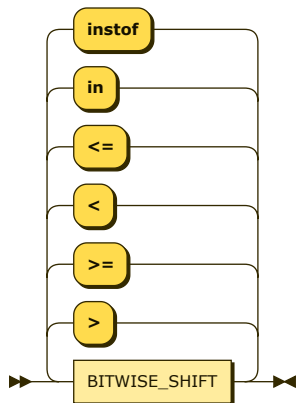


EQUALITY_EXPR
 ::= RELATION_EXPR (('!=' | '==') RELATION_EXPR)*

referenced by:

- BITWISE_AND_EXPR

RELATION_EXPR:



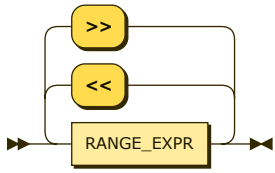
RELATION_EXPR

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

referenced by:

- [EQUALITY_EXPR](#)

BITWISE_SHIFT:

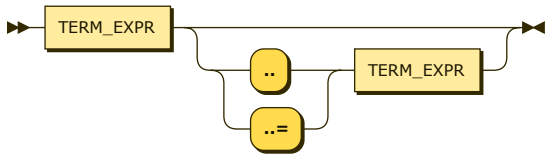


`BITWISE_SHIFT`
`::= RANGE_EXPR (('<<' | '>>') RANGE_EXPR)*`

referenced by:

- [RELATION_EXPR](#)

RANGE_EXPR:

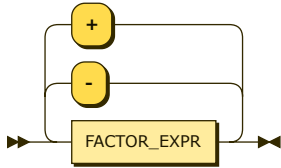


`RANGE_EXPR`
`::= TERM_EXPR (('..' | '..=') TERM_EXPR)?`

referenced by:

- [BITWISE_SHIFT](#)

TERM_EXPR:

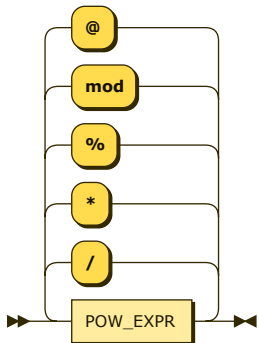


`TERM_EXPR`
`::= FACTOR_EXPR (('-' | '+') FACTOR_EXPR)*`

referenced by:

- [RANGE_EXPR](#)

FACTOR_EXPR:

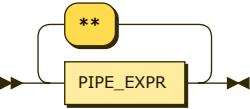


`FACTOR_EXPR`
`::= POW_EXPR (('/' | '*' | '%' | 'mod' | '@') POW_EXPR)*`

referenced by:

- [TERM_EXPR](#)

POW_EXPR:

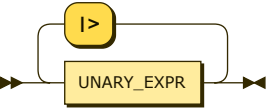


POW_EXPR ::= PIPE_EXPR ('**' PIPE_EXPR)*

referenced by:

- FACTOR_EXPR

PIPE_EXPR:

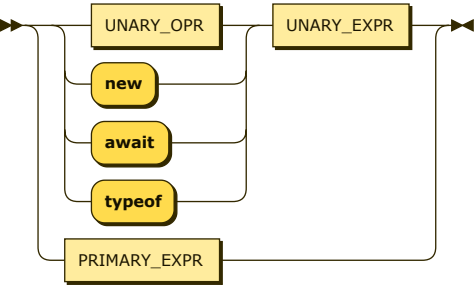


PIPE_EXPR ::= UNARY_EXPR ('|>' UNARY_EXPR)*

referenced by:

- POW_EXPR

UNARY_EXPR:

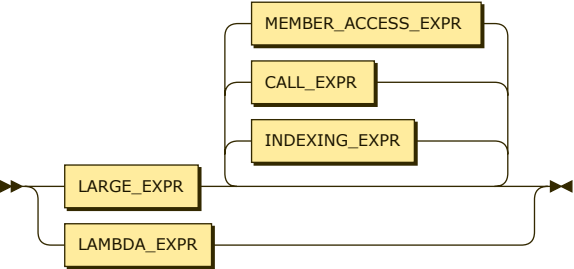


UNARY_EXPR ::= (UNARY_OPR | 'new' | 'await' | 'typeof') UNARY_EXPR | PRIMARY_EXPR

referenced by:

- PIPE_EXPR
- UNARY_EXPR

PRIMARY_EXPR:

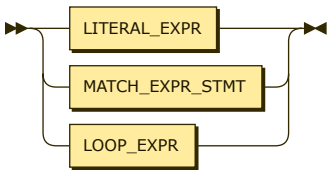


PRIMARY_EXPR ::= LAMBDA_EXPR | LARGE_EXPR (INDEXING_EXPR | CALL_EXPR | MEMBER_ACCESS_EXPR)*

referenced by:

- UNARY_EXPR

LARGE_EXPR:

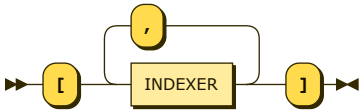


LARGE_EXPR
 ::= LITERAL_EXPR
 | MATCH_EXPR_STMT
 | LOOP_EXPR

referenced by:

- PRIMARY_EXPR

INDEXING_EXPR:

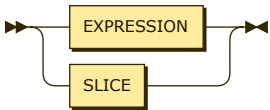


INDEXING_EXPR
 ::= '[' INDEXER (',' INDEXER)* ']'

referenced by:

- PRIMARY_EXPR

INDEXER:

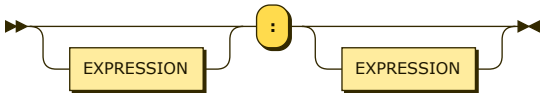


INDEXER ::= EXPRESSION
 | SLICE

referenced by:

- INDEXING_EXPR

SLICE:

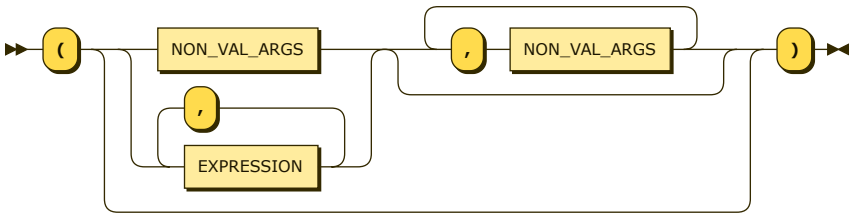


SLICE ::= EXPRESSION? ':' EXPRESSION?

referenced by:

- INDEXER

CALL_EXPR:

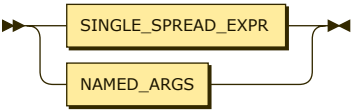


CALL_EXPR
 ::= '(' ((NON_VAL_ARGS | EXPRESSION (',' EXPRESSION)*) (',' NON_VAL_ARGS)*)? ')'

referenced by:

- DECORATOR_BDY
- PRIMARY_EXPR

NON_VAL_ARGS:

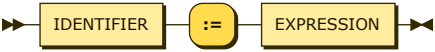


NON_VAL_ARGS
 ::= SINGLE_SPREAD_EXPR
 | NAMED_ARGS

referenced by:

- CALL_EXPR

NAMED_ARGS:

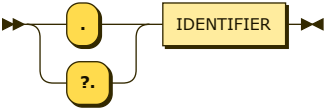


NAMED_ARGS
 ::= IDENTIFIER ':'= ' EXPRESSION

referenced by:

- NON_VAL_ARGS

MEMBER_ACCESS_EXPR:

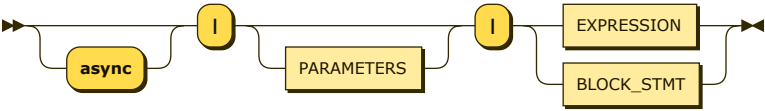


MEMBER_ACCESS_EXPR
 ::= ('.' | '?.') IDENTIFIER

referenced by:

- PRIMARY_EXPR

LAMBDA_EXPR:

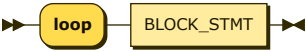


LAMBDA_EXPR
 ::= 'async'? 'λ' PARAMETERS? 'λ' (EXPRESSION | BLOCK_STMT)

referenced by:

- PRIMARY_EXPR

LOOP_EXPR:

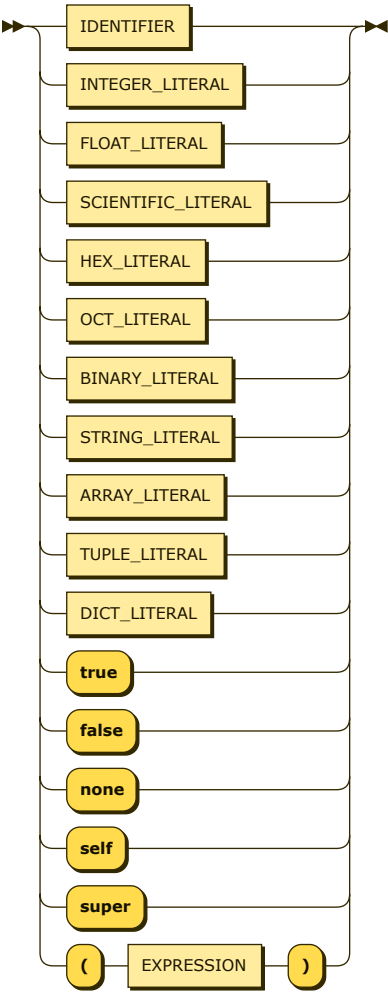


LOOP_EXPR
 ::= 'loop' BLOCK_STMT

referenced by:

- LARGE_EXPR
- STATEMENT

LITERAL_EXPR:

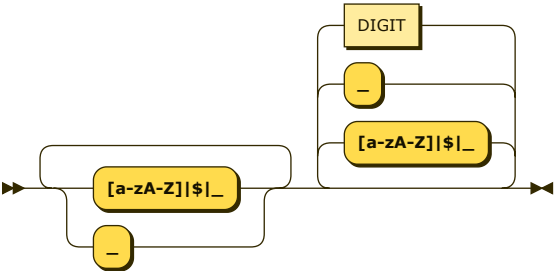


```
LITERAL_EXPR
 ::= IDENTIFIER
    | INTEGER_LITERAL
    | FLOAT_LITERAL
    | SCIENTIFIC_LITERAL
    | HEX_LITERAL
    | OCT_LITERAL
    | BINARY_LITERAL
    | STRING_LITERAL
    | ARRAY_LITERAL
    | TUPLE_LITERAL
    | DICT_LITERAL
    | 'true'
    | 'false'
    | 'none'
    | 'self'
    | 'super'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

referenced by:

- [LARGE_EXPR](#)
- [MATCH_PATT_ARM](#)

IDENTIFIER:

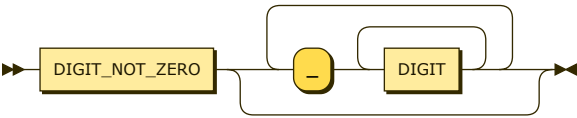


```
IDENTIFIER
 ::= ( '[a-zA-Z]|$|_' | '_' )+ ( '[a-zA-Z]|$|_' | '_' | DIGIT )*
```

referenced by:

- [CLASS_DECL](#)
- [CLS_NON_REQ_PARAMS](#)
- [CLS_PARAM_ID_LIST](#)
- [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](#)
- [REST_PARAM](#)
- [VAR_DECL](#)
- [WHILE_LOOP_STMT](#)
- [WITH_STMT_HEAD](#)

INTEGER_LITERAL:

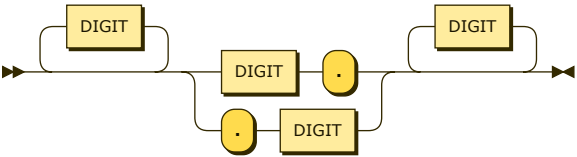


INTEGER_LITERAL ::= DIGIT_NOT_ZERO ('-' DIGIT+)*

referenced by:

- [KEY_VAL_PAR](#)
- [LITERAL_EXPR](#)
- [SCIENTIFIC_LITERAL](#)

Float_LITERAL:

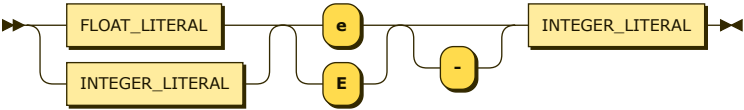


Float_LITERAL ::= DIGIT* (DIGIT '.' | '.' DIGIT) DIGIT*

referenced by:

- [LITERAL_EXPR](#)
- [SCIENTIFIC_LITERAL](#)

SCIENTIFIC_LITERAL:

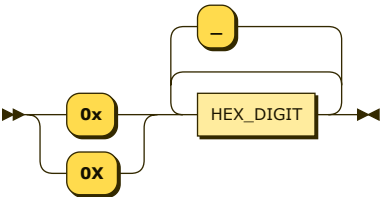


SCIENTIFIC_LITERAL ::= (Float_LITERAL | INTEGER_LITERAL) ('e' | 'E') '-'? INTEGER_LITERAL

referenced by:

- [LITERAL_EXPR](#)

HEX_LITERAL:

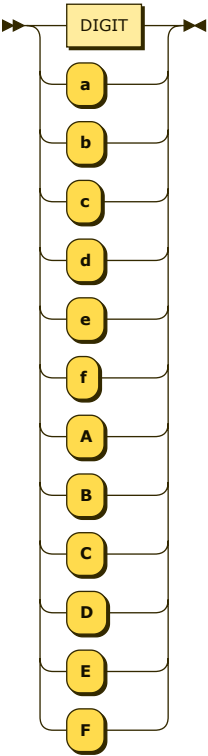


HEX_LITERAL
 ::= ('0x' | '0X') HEX_DIGIT ('_'? HEX_DIGIT)*

referenced by:

- KEY_VAL_PAR
- LITERAL_EXPR

HEX_DIGIT:



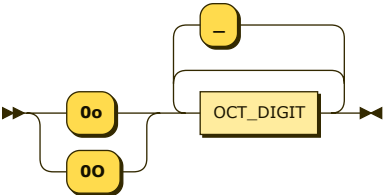
```

    HEX_DIGIT
    ::= DIGIT
       | 'a'
       | 'b'
       | 'c'
       | 'd'
       | 'e'
       | 'f'
       | 'A'
       | 'B'
       | 'C'
       | 'D'
       | 'E'
       | 'F'
  
```

referenced by:

- HEX_LITERAL

OCT_LITERAL:



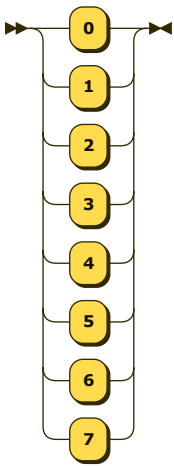
```

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

referenced by:

- KEY_VAL_PAR
- LITERAL_EXPR

OCT_DIGIT:

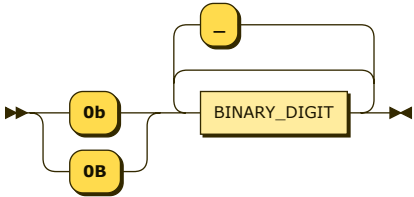


OCT_DIGIT ::= '0'
 | '1'
 | '2'
 | '3'
 | '4'
 | '5'
 | '6'
 | '7'

referenced by:

- OCT_LITERAL

BINARY_LITERAL:

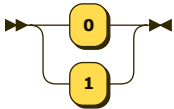


BINARY_LITERAL ::= ('0b' | '0B') BINARY_DIGIT ('_'? BINARY_DIGIT)*

referenced by:

- KEY_VAL_PAR
- LITERAL_EXPR

BINARY_DIGIT:

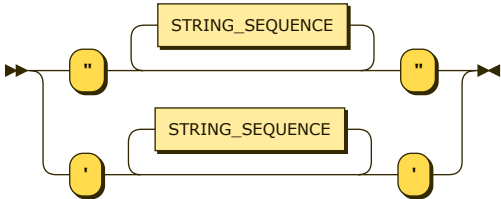


BINARY_DIGIT ::= '0'
 | '1'

referenced by:

- BINARY_LITERAL

STRING_LITERAL:



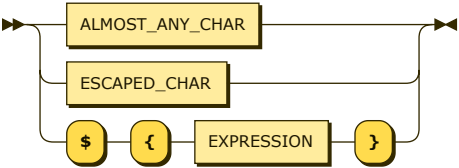
STRING_LITERAL ::= ''' STRING_SEQUENCE* '''

| `""" STRING_SEQUENCE* """`

referenced by:

- [IMPORT_EXPORT_DECL](#)
- [KEY_VAL_PAR](#)
- [LITERAL_EXPR](#)

STRING_SEQUENCE:

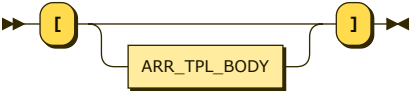


```
STRING_SEQUENCE
  ::= ALMOST_ANY_CHAR
     | ESCAPED_CHAR
     | '$' '{' EXPRESSION '}'
```

referenced by:

- [STRING_LITERAL](#)

ARRAY_LITERAL:

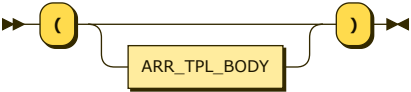


```
ARRAY_LITERAL
  ::= '[' ARR_TPL_BODY? ']'
```

referenced by:

- [LITERAL_EXPR](#)

TUPLE_LITERAL:

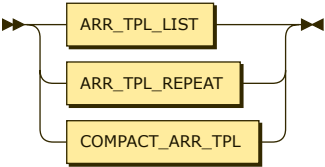


```
TUPLE_LITERAL
  ::= '(' ARR_TPL_BODY? ')'
```

referenced by:

- [KEY_VAL_PAR](#)
- [LITERAL_EXPR](#)

ARR_TPL_BODY:

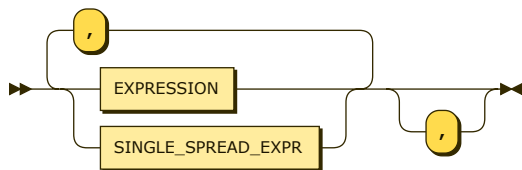


```
ARR_TPL_BODY
  ::= ARR_TPL_LIST
     | ARR_TPL_REPEAT
     | COMPACT_ARR_TPL
```

referenced by:

- [ARRAY_LITERAL](#)
- [TUPLE_LITERAL](#)

ARR_TPL_LIST:

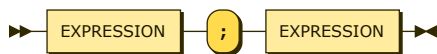


ARR_TPL_LIST
 ::= (EXPRESSION | SINGLE_SPREAD_EXPR) (',' (EXPRESSION | SINGLE_SPREAD_EXPR))* ',' ?

referenced by:

- [ARR_TPL_BODY](#)

ARR_TPL_REPEAT:

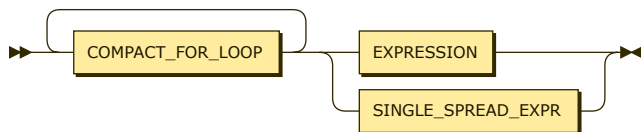


ARR_TPL_REPEAT
 ::= EXPRESSION ';' EXPRESSION

referenced by:

- [ARR_TPL_BODY](#)

COMPACT_ARR_TPL:

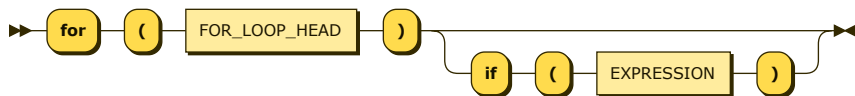


COMPACT_ARR_TPL
 ::= COMPACT_FOR_LOOP+ (EXPRESSION | SINGLE_SPREAD_EXPR)

referenced by:

- [ARR_TPL_BODY](#)

COMPACT_FOR_LOOP:

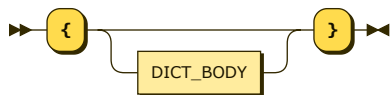


COMPACT_FOR_LOOP
 ::= 'for' '(' FOR_LOOP_HEAD ')' ('if' '(' EXPRESSION ')') ?

referenced by:

- [COMPACT_ARR_TPL](#)
- [COMPACT_DICT](#)

DICT_LITERAL:

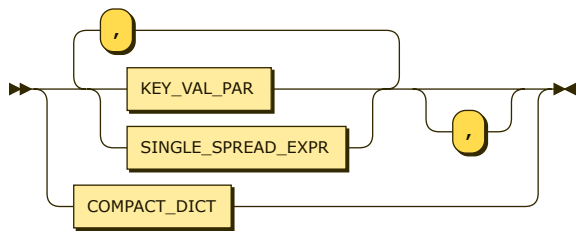


DICT_LITERAL
 ::= '{' DICT_BODY? '}'

referenced by:

- [LITERAL_EXPR](#)

DICT_BODY:

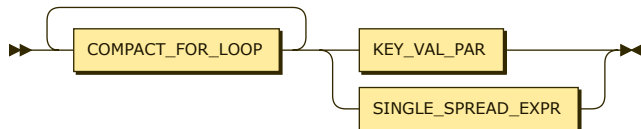


DICT_BODY
 ::= (KEY_VAL_PAR | SINGLE_SPREAD_EXPR) (',' (KEY_VAL_PAR | SINGLE_SPREAD_EXPR))* ',' '?'
 | COMPACT_DICT

referenced by:

- [DICT_LITERAL](#)

COMPACT_DICT:

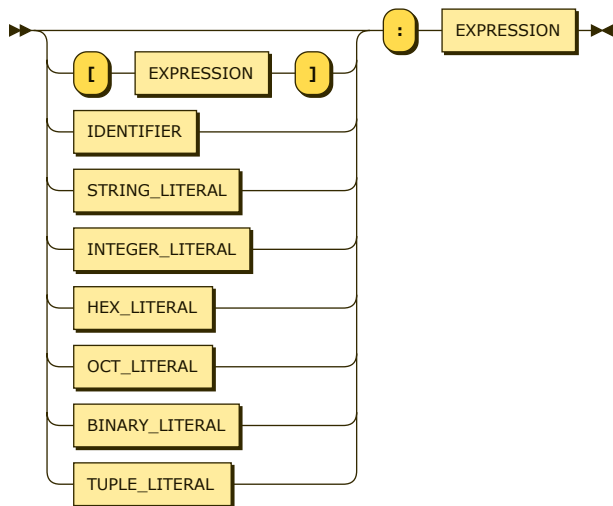


COMPACT_DICT
 ::= COMPACT_FOR_LOOP+ (KEY_VAL_PAR | SINGLE_SPREAD_EXPR)

referenced by:

- [DICT_BODY](#)

KEY_VAL_PAR:



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

referenced by:

- [COMPACT_DICT](#)
- [DICT_BODY](#)

SINGLE_SPREAD_EXPR:

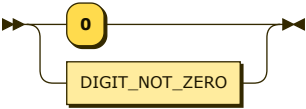


SINGLE_SPREAD_EXPR
 ::= '...' EXPRESSION

referenced by:

- [ARR_TPL_LIST](#)
- [COMPACT_ARR_TPL](#)
- [COMPACT_DICT](#)
- [DICT_BODY](#)
- [NON_VAL_ARGS](#)

DIGIT:

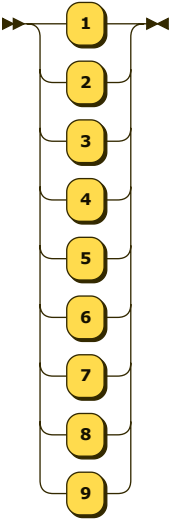


DIGIT ::= '0'
 | DIGIT_NOT_ZERO

referenced by:

- Float Literal
- Hex Digit
- Identifier
- Integer Literal

DIGIT_NOT_ZERO:

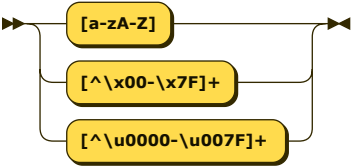


DIGIT_NOT_ZERO ::= '1'
 | '2'
 | '3'
 | '4'
 | '5'
 | '6'
 | '7'
 | '8'
 | '9'

referenced by:

- DIGIT
- Integer Literal

ALMOST_ANY_CHAR:

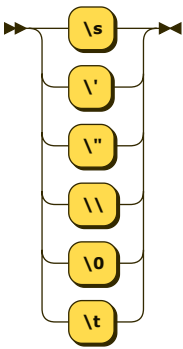


ALMOST_ANY_CHAR ::= '[a-zA-Z]'
 | '[^\x00-\x7F]+'

referenced by:

- String Sequence

ESCAPED_CHAR:

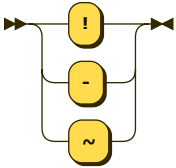


ESCAPED_CHAR
::= '\s'
 | '\s'
 | '\"'
 | '\s'
 | '\s'
 | '\0'
 | '\t'

referenced by:

- STRING_SEQUENCE

UNARY_OPR:

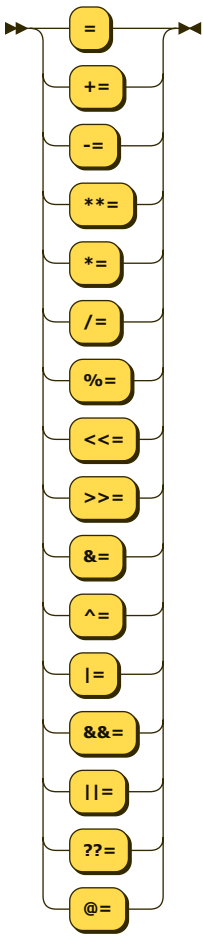


UNARY_OPR
::= '!'
 | '-'
 | '~'

referenced by:

- UNARY_EXPR

ASSIGNMENT_OPR:



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

referenced by:

- REASSIGNMENT_EXPR