

Grammer – BNF – Yahav Yehoshua Bariah - 326295417

expr : KEYWORD:VAR IDENTIFIER EQ expr
: comp-expr ((KEYWORD:AND|KEYWORD:OR) comp-expr)*

comp-expr : NOT comp-expr
: arith-expr ((EE|LT|GT|LTE|GTE) arith-expr)*

arith-expr : term ((PLUS|MINUS) term)*

term : factor ((MUL|DIV) factor)*

factor : (PLUS|MINUS) factor
: call

call : atom (LPAREN (expr (COMMA expr)*)? RPAREN)?

atom : INT|IDENTIFIER
: LPAREN expr RPAREN
: Defun
: Lambd

Defun : KEYWORD:Defun IDENTIFIER? LPAREN (IDENTIFIER (COMMA IDENTIFIER)*)?
RPAREN ARROW expr

Lambd : KEYWORD:Lambd IDENTIFIER ((COMMA IDENTIFIER)*)? DOT LPREAN expr RPAREN
LPREAN NUMBER ((COMMA NUMBER)*)? RPAREN