

Parsed Rules

- (1) program \rightarrow prolog FUNC func_list_pre MAIN '(' ')' '{' EOL body '}' EOL func_list EOF
- (2) prolog \rightarrow PACKAGE MAIN EOL
- (3) func_list_pre $\rightarrow \epsilon$
- (4) func_list_pre \rightarrow FUNC_ID '(' param_list ')' func_def_type EOL FUNC func_list_pre
- (5) func_list $\rightarrow \epsilon$
- (6) func_list \rightarrow func_def func_list
- (7) func_def \rightarrow FUNC FUNC_ID '(' param_list ')' func_def_type EOL
- (8) param_list $\rightarrow \epsilon$
- (9) param_list \rightarrow VAR_ID type next_param
- (10) next_param $\rightarrow \epsilon$
- (11) next_param \rightarrow ',' VAR_ID type next_param
- (12) func_def_type \rightarrow '{' EOL body '}'
- (13) func_def_type \rightarrow '(' func_def_ret
- (14) func_def_ret \rightarrow ')' '{' EOL body '}'
- (15) func_def_ret \rightarrow ret_list ')' '{' EOL body RETURN expr_list '}'
- (16) ret_list \rightarrow type next_ret
- (17) next_ret $\rightarrow \epsilon$
- (18) next_ret \rightarrow ',' type next_ret
- (19) body $\rightarrow \epsilon$
- (20) body \rightarrow command EOL body
- (21) command \rightarrow VAR_ID var_
- (22) command \rightarrow if
- (23) command \rightarrow cycle
- (24) command \rightarrow func_call
- (25) var_ \rightarrow var_def
- (26) var_ \rightarrow var_move
- (27) var_def \rightarrow ':=' EXPR
- (28) var_move \rightarrow next_id '=' expr_list
- (29) next_id $\rightarrow \epsilon$
- (30) next_id \rightarrow ',' VAR_ID next_id
- (31) if \rightarrow IF COND '{' EOL body '}' ELSE '{' EOL body '}'
- (32) cycle \rightarrow FOR for_def ';' COND ';' for_move '{' EOL body '}'
- (33) for_def $\rightarrow \epsilon$
- (34) for_def \rightarrow VAR_ID var_def
- (35) for_move $\rightarrow \epsilon$
- (36) for_move \rightarrow VAR_ID var_move
- (37) return \rightarrow RETURN ret
- (38) ret $\rightarrow \epsilon$
- (39) ret \rightarrow expr_list
- (40) func_call \rightarrow FUNC_ID '(' expr_list ')'
- (41) expr_list \rightarrow EXPR next_expr
- (42) expr_list \rightarrow func_call
- (43) next_expr $\rightarrow \epsilon$
- (44) next_expr \rightarrow ',' EXPR next_expr
- (45) type \rightarrow INT
- (46) type \rightarrow FLOAT64
- (47) type \rightarrow STRING