

stmt_sequence -> statement
statement -> for_stmt||if_stmt||repeat_stmt||assign_stmt||read_stmt||write_stmt
for_stmt -> FOR EXP TO EXP STEP EXP DO stmt_sequence ENDFOR
if_stmt -> IF exp THEN stmt_sequence ELSE_STMT END
else_stmt -> ELSE stmt_sequence || ε
repeat_stmt -> REPEAT stmt_sequence UNTIL exp
assign_stmt -> id = exp
read_stmt -> READ id
write_stmt -> WRITE exp
writeln_stmt -> WRITELN exp
exp -> simple_exp
simple_exp -> +|- term
term -> factor
factor -> NUM||ID||(exp)