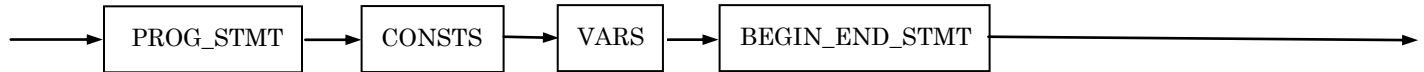


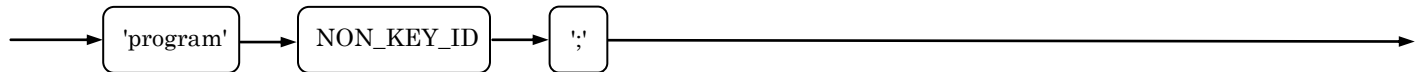
## Syntax Chart - Stage 2

Stage2 adds the *if*, *while*, and *repeat* statements to the features available to the programmer. Pascallite has now become a reasonably complex language. To implement these new statements, the operand stack will be extended to hold labels as well as the operands of operators, which has a direct analog in Pascallite source programs

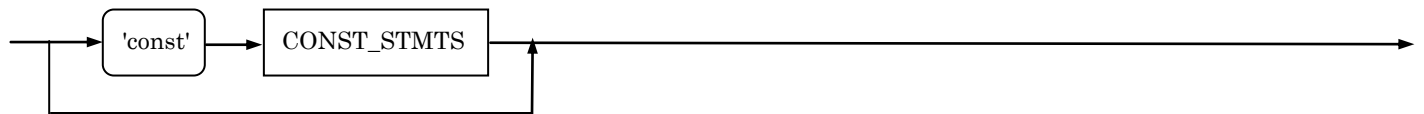
### PROGRAM



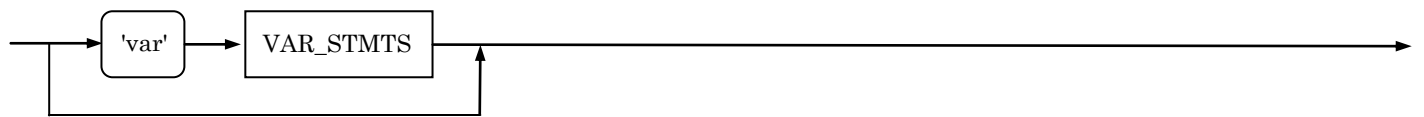
### PROG\_STMT



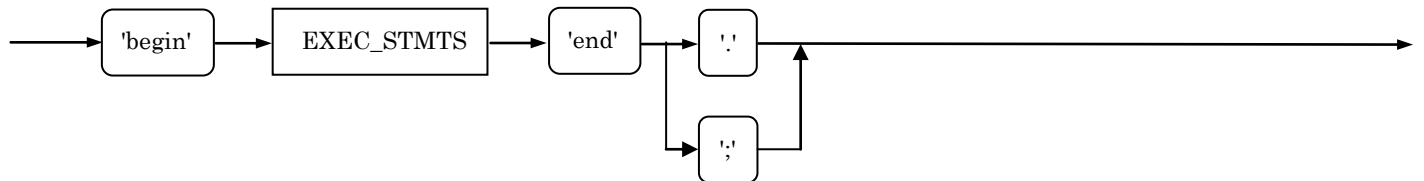
### CONSTS



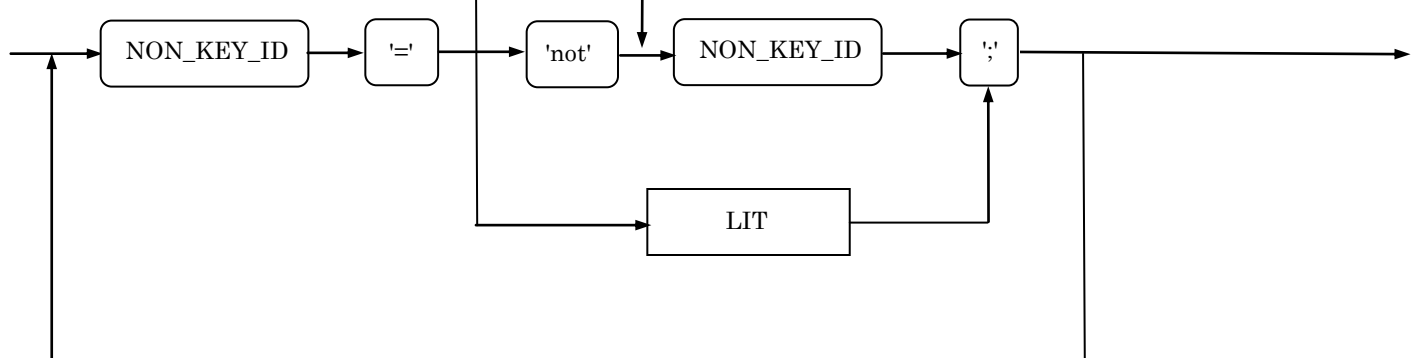
### VARS



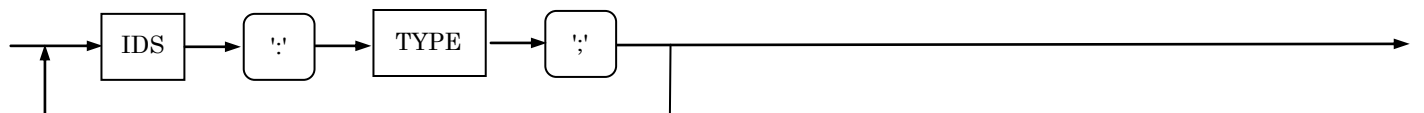
### BEGIN\_END\_STMT



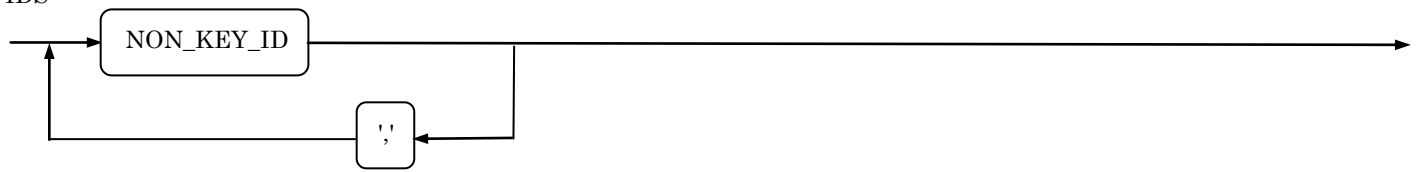
### CONST\_STMTS



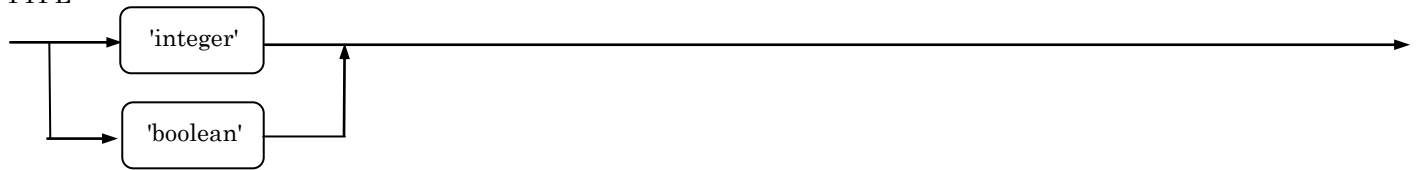
### VAR\_STMTS



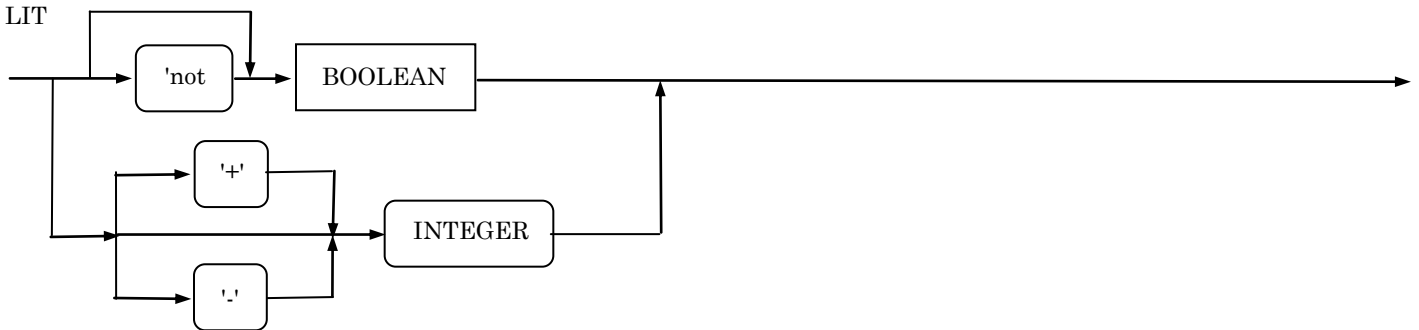
IDS



TYPE



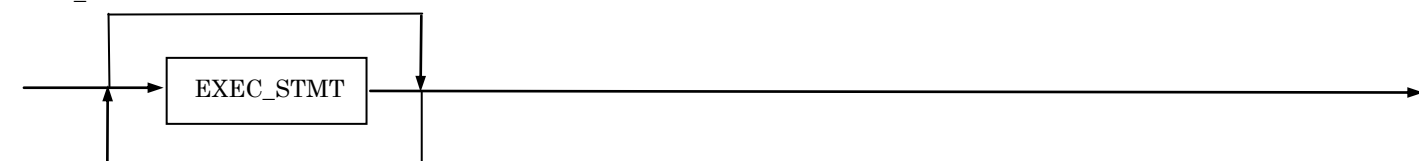
LIT



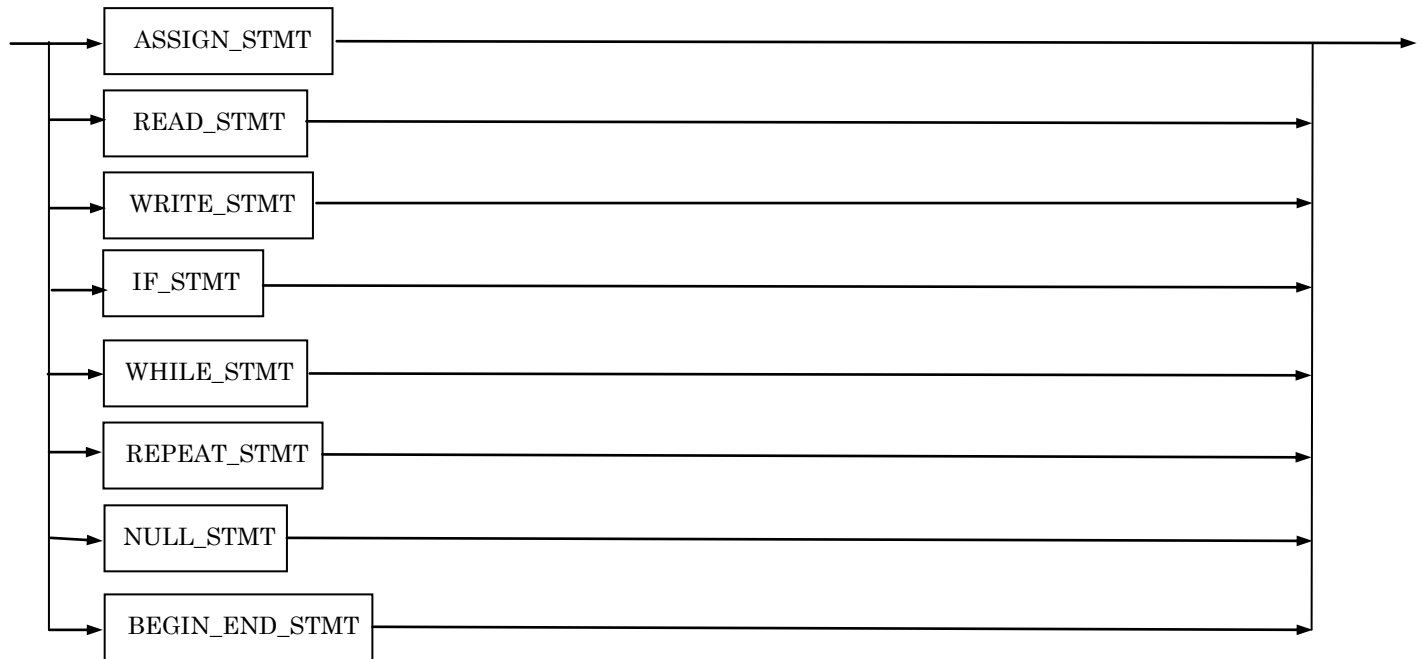
BOOLEAN



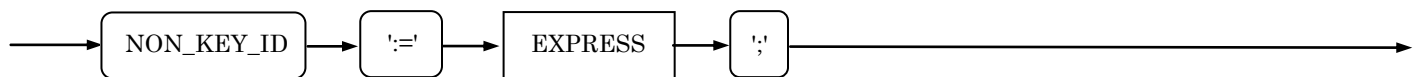
EXEC\_STMTS



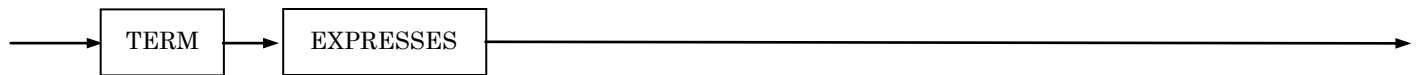
## EXEC\_STMT



## ASSIGN\_STMT



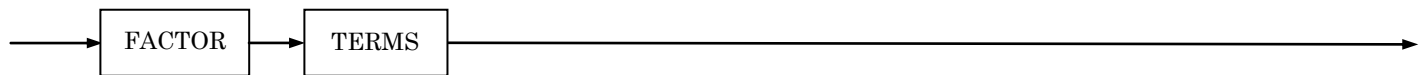
## EXPRESS



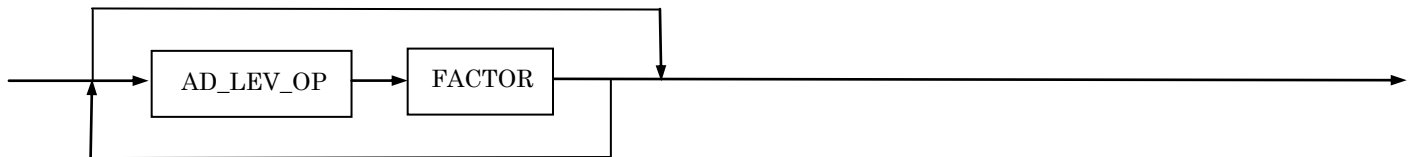
## EXPRESSES



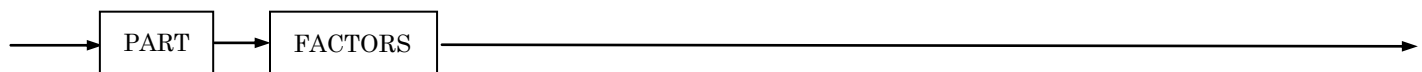
## TERM



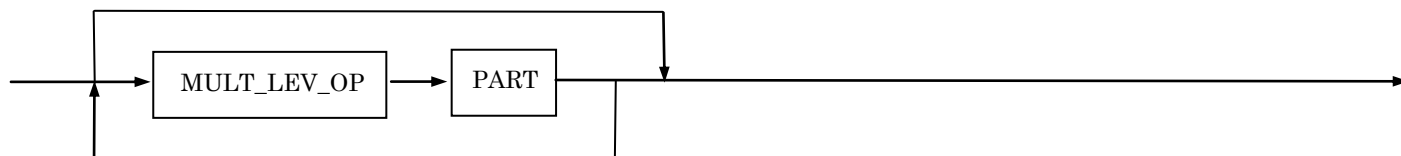
## TERMS



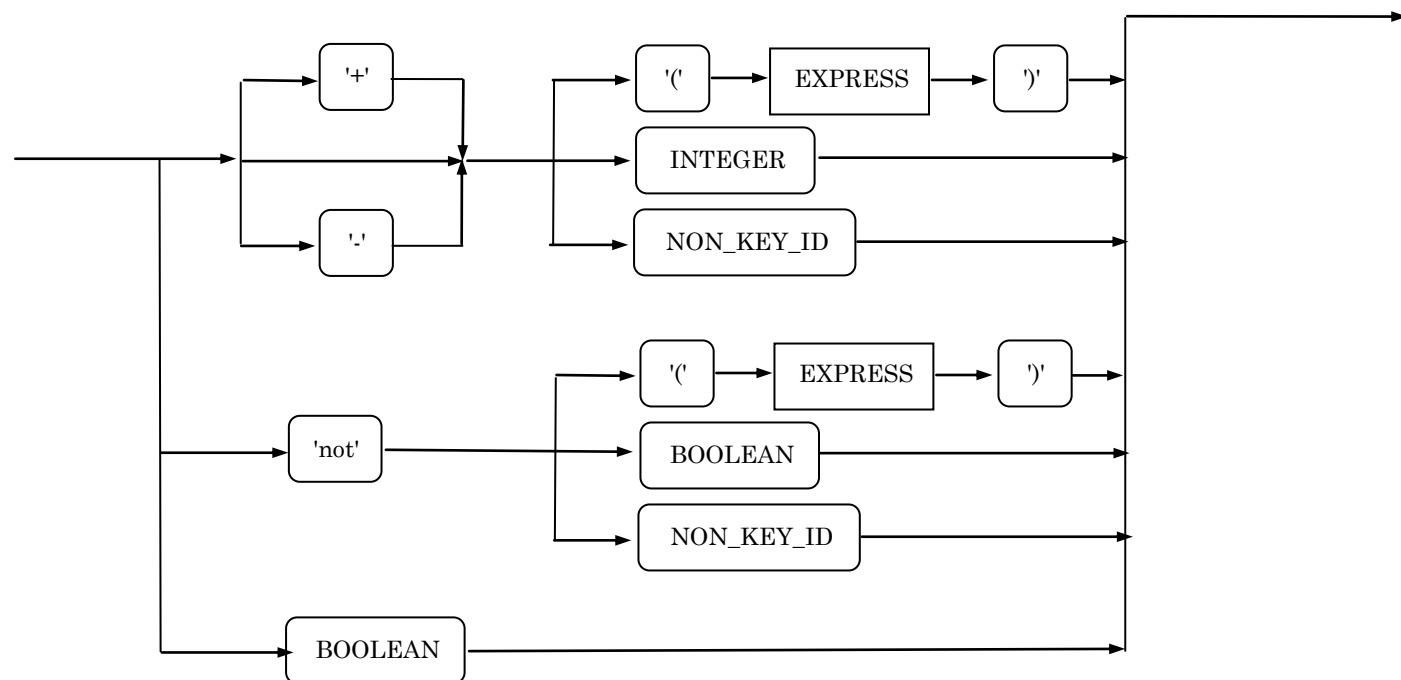
## FACTOR



## FACTORS



## PART



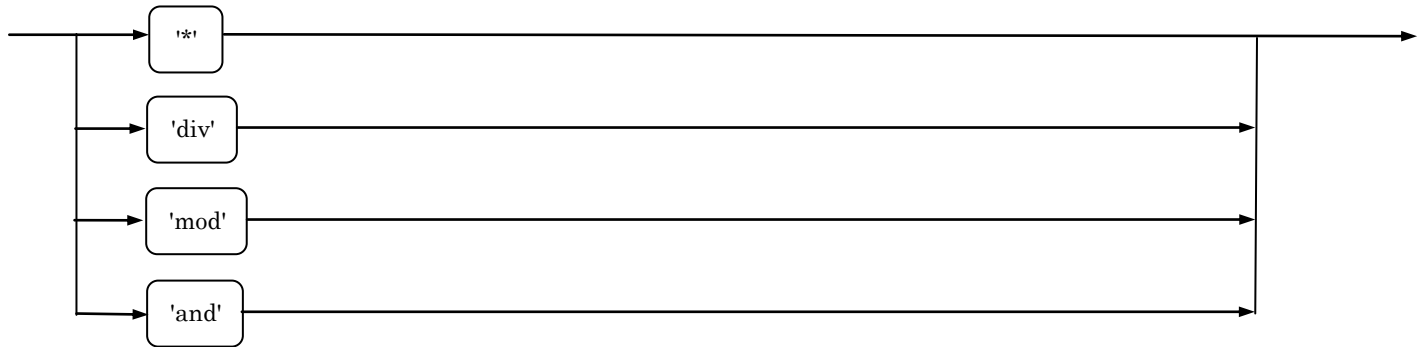
## REL\_OP



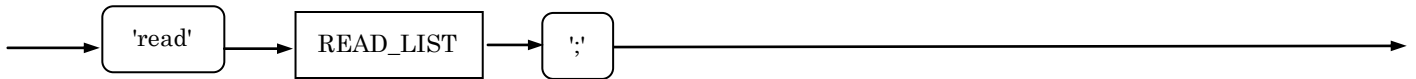
ADD\_LEV\_OP



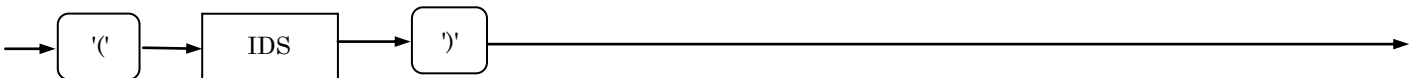
MULT\_LEV\_OP



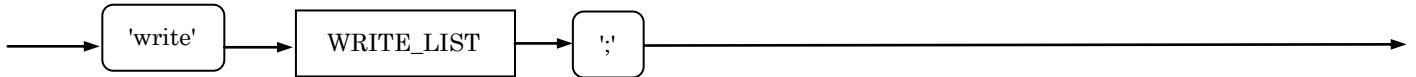
READ\_STMT



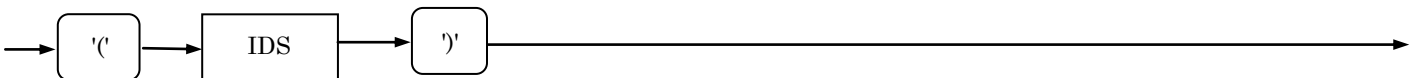
READ\_LIST



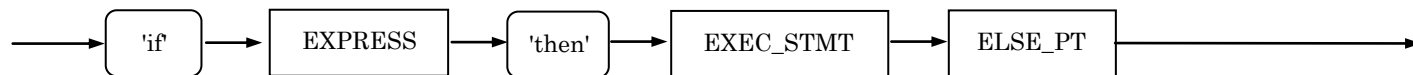
WRITE\_STMT



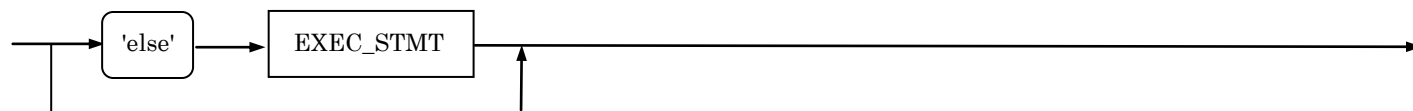
WRITE\_LIST



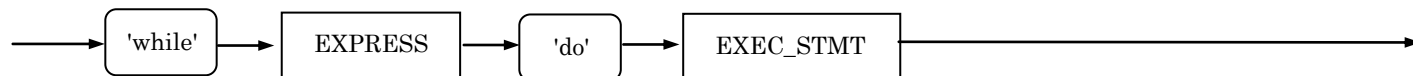
IF\_STMT



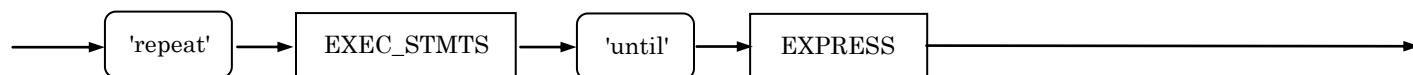
ELSE\_PT



WHILE\_STMT



REPEAT\_STMT



NULL\_STMT

