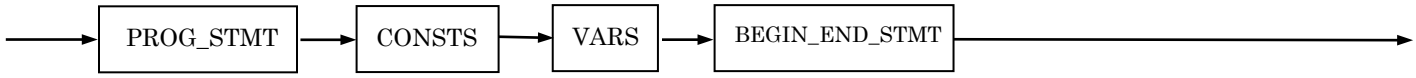
Syntax Chart - Stage 0

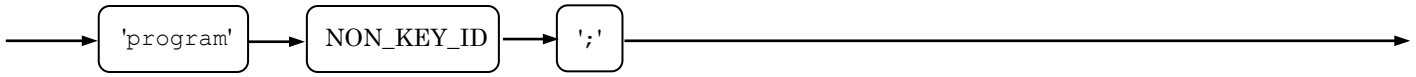
Following is a pictorial view of the elements of Pascallite implemented in stage0. These pictures, called *syntax charts*, are given so you can more easily grasp the entire language being implemented. For stage1 and stage2, only the *changes* in the context-free grammar will be given. By focusing on the changes, it is easy for you to lose sight of the language as a whole. The diagrams should compensate for this. Also, because they are pictorial, they are easier to read than a standard grammar.

The meaning of a diagram is straightforward. All alternative productions of a single nonterminal appear in a diagram. The name in the upper left-hand corner is equivalent to the left-hand side of a production. Rectangular boxes represent nonterminals; rounded boxes represent tokens. An arrow from box *x* to box *y* indicates *x* is followed by *y* in a sentential form. Alternatives are represented by multi-way branching arrows. You should match up the diagrams that follow with the grammar productions given earlier.

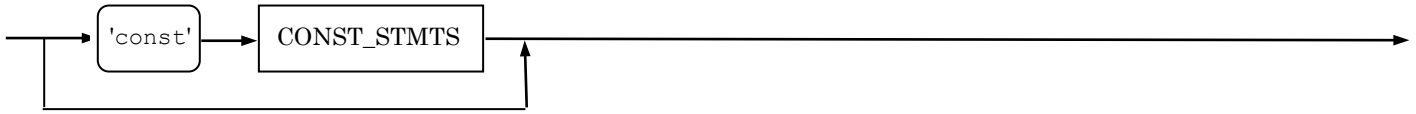
PROGRAM



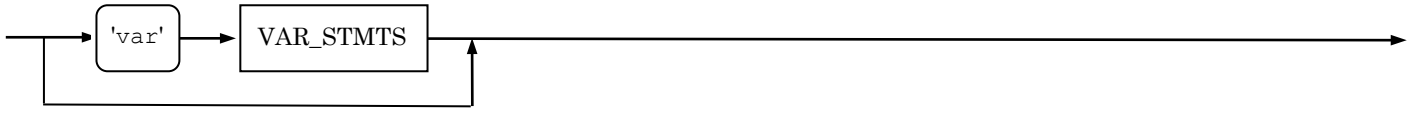
PROG_STMT



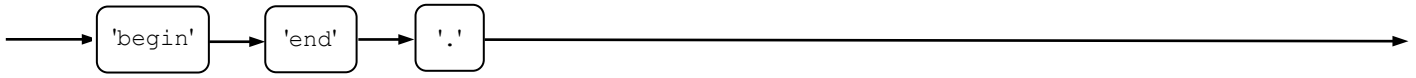
CONSTS



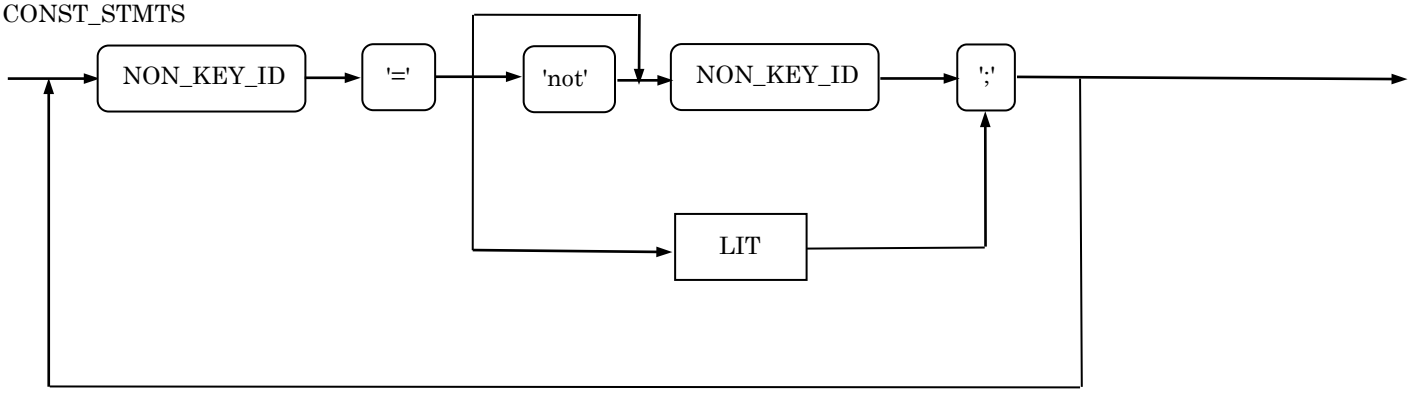
VARS



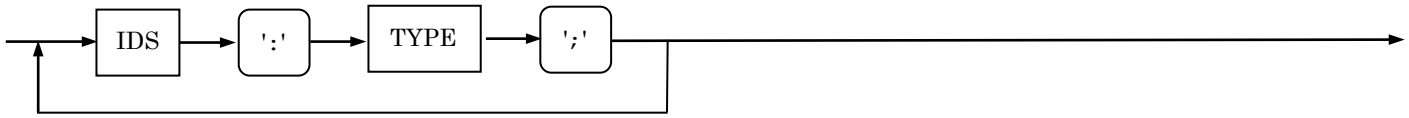
BEGIN_END_STMT



CONST_STMTS



VAR_STMTS



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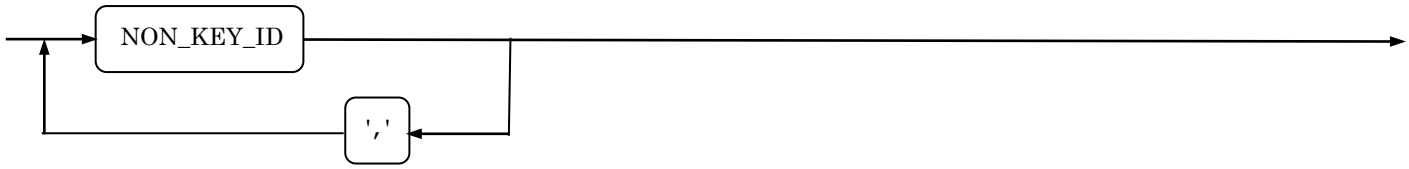

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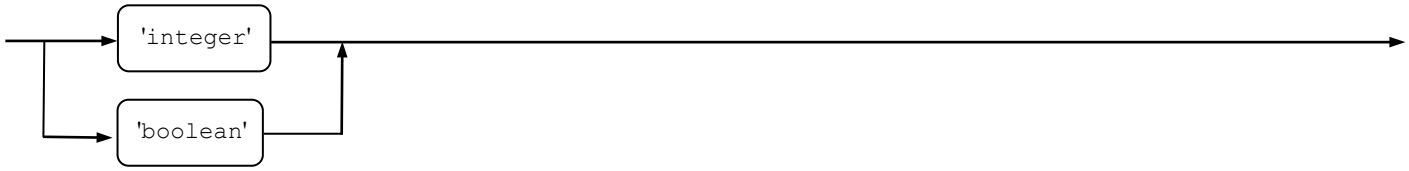
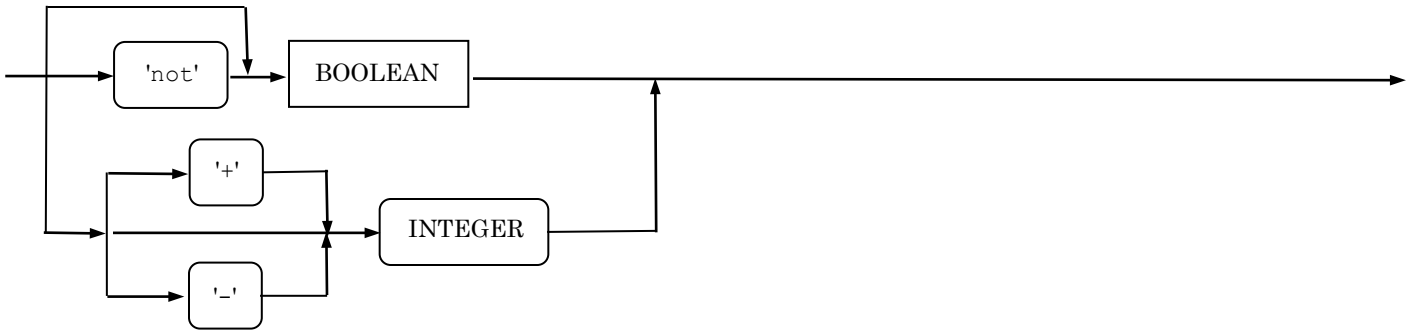


LIT



BOOLEAN