Original Grammar

<prog>	→ **program** <identifier>; **var** <dec-list> **begin** <stat-list> **end.**
<identifier>	→ <letter>{<letter> | <digit>} note: this grammar is in EBNF
<dec-list>	→ <dec> : <type> ;
<dec>	→ <identifier> , <dec> | < identifier >
<type>	→ **integer**
<stat-list>	→ <stat> | <stat> <stat-list>
<stat>	→ <write> | <assign>
<write>	→ print ("value", < identifier >);
<assign>	→ < identifier > = <expr>;
<expr>	→ <expr> + < term> | <expr> - < term> | < term>
<term>	→ <term> * <factor> | <term> / <factor> | <factor>
<factor>	→ < identifier > | <number> | (<expr>)
<number>	→ <sign><digit>{<digit> } note: this grammar is in EBNF
<sign>	→ + | - | λ
<digit>	→ 0|1|2|…|9
<letter>	→ a | b | c | d | f