

```
<program> ::= <command> | <command> ; <program>
<command> ::= <assignment> | <while>
<assignment> ::= <variable> := <value>
<value> ::= 0 | <sign> <variable>
<sign> ::= + | - | ε
<while> ::= while <variable> <operator> <sequence> <program>
<operator> ::= < | = | >
<variable> ::= x | x <sequence>
<sequence> ::= <digit> | <digit> <sequence>
<digit> ::= 0 | 1
```