

Die Grammatik von MiniJava

```
<program> ::= <decl>* <stmt>*

<decl>    ::= <type> <name> ( , <name> )* ;

<type>    ::= int

<stmt>    ::= ;
            | { <stmt>* }
            | <name> = <expr>;
            | <name> = read();
            | write(<expr>);
            | if (<cond>) <stmt>
            | if (<cond>) <stmt> else <stmt>
            | while (<cond>) <stmt>

<expr>    ::= <number>
            | <name>
            | (<expr>)
            | <unop> <expr>
            | <expr> <binop> <expr>

<unop>    ::= -

<binop>    ::= - | + | * | / | %

<cond>     ::= true
            | false
            | ( <cond> )
            | <expr> <comp> <expr>
            | <bunop> <cond>
            | <cond> <bbinop> <cond>

<comp>     ::= == | != | <= | < | >= | >

<bunop>     ::= !

<bbinop>    ::= && | ||
<number>   ::= digit digit*
<name>     ::= letter ( letter | digit )*
letter     ::= a,...,z,A,...,Z
digit      ::= 0,...,9
```