```
start → definitions EOF

definitions → definition*

definition → definitionVariable
        | 'struct' IDENT '{' structFields '}' ';'
        | IDENT '(' definitionFunctionParams ')' '{' definitionVariables sentences '}'
        | IDENT '(' definitionFunctionParams ')' ':' type '{' definitionVariables sentences
'}'

definitionVariables → definitionVariable*

definitionVariable → 'var' IDENT ':' type ';'

structFields → structField*

structField → IDENT ':' type ';'

definitionFunctionParams →  (definitionFunctionParam  (',' definitionFunctionParam )*)?

definitionFunctionParam → IDENT ':' type

type → 'int'
        | 'float'
        | 'char'
        | '[' INT_CONSTANT ']' type
        | IDENT

sentences → sentence*

sentence → expression '=' expression ';'
        | 'return' expression ';'
        | 'return' ';'
        | 'print' expression ';'
        | 'print' ';'
        | 'printsp' expression ';'
        | 'printsp' ';'
        | 'println' expression ';'
        | 'println' ';'
        | 'read' expression';'
        | 'while' '(' expression ')' '{' sentences '}'
        | 'if' '(' expression ')' '{' sentences '}'
        | 'if' '(' expression ')' '{' sentences '}' 'else' '{' sentences '}'
        | IDENT '(' callFunctionParams ')' ';'

callFunctionParams → (expression  (',' expression)*)?

expression → '(' expression ')'
        | expression '[' expression ']'
        | expression '.' IDENT
        | IDENT
        | '<' type '>' '(' expression ')'
        | expression ('*' | '/' | '%') expression
        | expression ('+' | '-') expression
        | expression ('<' | '>' | '<=' | '>=') expression
        | expression ('==' | '!=') expression
        | expression '&&' expression
        | expression '||' expression
        | '!' expression
        | IDENT '(' callFunctionParams ')'
        | INT_CONSTANT
        | REAL_CONSTANT
        | CHAR_CONSTANT
```