Sprachbeschreibung: Java_{SST}

```
class = "class" ident classbody.
classbody = "{" declarations "}".
declarations = {"final" type ident "=" expression ";"}
               { type ident ";"}
              {method declaration}.
method_declaration = method_head method_body.
method_head = "public" method_type ident formal_parameters.
method_type = "void" | type.
formal_parameters = "(" [fp_section {"," fp_section}] ")".
fp_section = type ident .
method_body = "{" {local_declaration} statement_sequence"}".
local declaration = type ident ";".
statement_sequence = statement {statement}.
statement = assignment | procedure_call | if_statement | while_statement | return_statement.
type = "int".
assignment = ident "=" expression ";".
procedure call = intern procedure call ";".
intern_procedure_call = ident actual_parameters.
if_statement = "if" "(" expression ")" "{" statement_sequence "}" "else" "{"
statement_sequence "}".
while_statement = "while" "(" expression ")" "{" statement_sequence "}".
return_statement = "return" [ simple_expression ] ";".
actual_parameters = "(" [expression {"," expression}]")".
expression = simple expression [("==" | "<" | "<" | ">= ") simple expression].
simple_expression = term {("+" | "-" ) term}.
term = factor {("*" | "/" ) factor}.
factor = ident | number | "(" expression")" | intern_procedure_call.
number = digit {digit}.
ident = letter { letter | digit }.
digit = (..0" | ...| "9").
letter = ("a" | ... | "z" | "A" | ... | "Z").
```