Описание грамматики языка задания грамматики

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1 Через РБНФ

RULE ';' | '.';

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TERMINALS:
name ::= '[\w\D][\w]^{*'};
char\_sequence ::= '[\W^']+';
\operatorname{string} ::= \text{"}(\backslash \backslash |[^{\wedge}\backslash ]^{+})^{*}.
KEYS:
'TERMINALS'; 'KEYS'; 'NONTERMINALS'; 'AXIOM'; 'RULES'; 'ERRORS';
'.'; ':'; '::='; ';'; '('; ')'; '|'; '['; ']'; '{'; '}'; '#'.
NONTERMINALS:
GRAMMAR;
TERMINALS_BLOCK;
KEYS_BLOCK;
NONTERMINALS BLOCK;
AXIOM BLOCK;
ERROR BLOCK;
RULES_BLOCK;
RULE;
RHS;
NONTERMINAL;
TERMINAL.
AXIOM: GRAMMAR.
ERRORS:
TERMINALS BLOCK '.';
KEYS BLOCK '.';
NONTERMINALS_BLOCK '.';
AXIOM BLOCK '.';
ERROR_BLOCK '.';
RULES_BLOCK '.';
```

```
RHS ';' | '.';
NONTERMINAL ';' | '.';
TERMINAL ';' | '.'.
RULES:
GRAMMAR ::=
    TERMINALS BLOCK KEYS BLOCK NONTERMINALS BLOCK
    AXIOM_BLOCK [ERROR_BLOCK] RULES_BLOCK;
TERMINALS BLOCK ::= TERMINALS: {name ::= string # ;}.;
KEYS BLOCK ::= KEYS: {string \#;}.;
NONTERMINALS_BLOCK ::= NONTERMINALS: {name # ;}.;
AXIOM BLOCK ::= AXIOM: NONTERMINAL.;
ERROR BLOCK ::= ERRORS: {NONTERMINAL {string # |} # ;}.;
RULES BLOCK ::= \{RULE \# ;\}.;
RULE ::= NONTERMINAL ::= RRP;
RHS ::=
     {TERMINAL | NONTERMINAL} |
    (\{RHS \# |\}) |
    [{RHS # |}] |
     {RHS [# RHS]}
     {# RHS};
NONTERMINAL ::= name;
TERMINAL := name \mid char sequence.
```

2 Через диаграммы Вирта

