

```

1  /*program*/
2  program->functions
3
4
5  /*function*/
6  functions -> function functions| epsilon
7  function ->
    "function"identidier";""beginparams"declaration"endparams""beginlocals""endlocal
    s""beginbody"statement"endbody"
8
9  /*identidier*/
10 identifiers -> ident
11             |ident "," identifiers
12
13 /*declararion*/
14 declarations->declaration";"declarations | epsilon
15 declaration->identifiers:""array""[""number""]"of""integer" |
    identifiers:""integer"
16
17 /*statement*/
18 statements->statement";"statements | e
19 statement->var:="expression
20 | "if"bool-expr"then" statement"else"statement"endif"
21 | "while"bool-expr"beginloop"statement"endloop"
22 | "do""beginloop"statement"endloop""while"bool-expr
23 | "read"v
24 | "write"v
25 | "break"
26 | "return"expresstion
27 v->var | var","v
28
29 /*bool-expr*/
30 bool-expr->relation-and-expr| relation-and-expr"or"bool-expr
31
32 /*relation-and-expr*/
33 relation-and-expr -> relation-expr|relation-expr"or"relation-and-expr
34
35 /*relation-expr*/
36 relation-expr -> "not"r|r
37 r-> expresstion comp expresstion
38 | true
39 | false
40 | "("bool-expr")"
41
42 /*comp*/
43 comp -> "=="
44         | "<>"
45         | "<"
46         | ">"
47         | "<="
48         | ">="
49

```

```

50 /*expression*/
51 expression -> multiplicative-expr|multiplicative-expr"+"expression|multiplicative-  ↗
    expr "-" expression
52
53 /*multiplicative-expr*/
54 multiplicative-expr -> term|term"*"multiplicative-expr|term"/"multiplicative-  ↗
    expr|"%"multiplicative-expr
55
56 /*term*/
57 term -> "-"t
58         |t
59         |"identifier"("expression")
60 t -> var
61     |"number"
62     |("expression")
63
64 /*var*/
65 var -> "identifier"
66       |"identifier"["expression"]

```