1.1.	*program*	→	**program id** (*identifier_list*) **;** *declarations* *subprogram_declarations* *compound_statement* **.**
1.2.	*program*	→	**program id** (*identifier_list*) **;** *declarations* *compound_statement* **.**
1.3.	*program*	→	**program id** (*identifier_list*) **;** *subprogram_declarations* *compound_statement* **.**
1.4.	*program*	→	**program id** (*identifier_list*) **;** *compound_statement* **.**
2.1.	*identifier_list*	→	**id** *identifier_list′*
2.2.1.	*identifier_list′*	→	**,** **id** *identifier_list′*
2.2.2.	*identifier_list′*	→	ϵ
3.1.	*declarations*	→	**var id :** *type* **;** *declarations′*
3.2.1.	*declarations′*	→	**var id :** *type* **;** *declarations′*
3.2.2.	*declarations′*	→	ϵ
4.1.	*type*	→	*standard_type*
4.2.	*type*	→	**array** [**num .. num**] **of** *standard_type*
5.1.	*standard_type*	→	**integer**
5.2.	*standard_type*	→	**real**
6.1.	*subprogram_declarations*	→	*subprogram_declaration* **;** *subprogram_declarations′*
6.2.1.	*subprogram_declarations′*	→	*subprogram_declaration* **;** *subprogram_declarations′*
6.2.2.	*subprogram_declarations′*	→	ϵ
7.1.	*subprogram_declaration*	→	*subprogram_head declarations* *subprogram_declarations compound_statement*
7.2.	*subprogram_declaration*	→	*subprogram_head declarations* *subprogram_declarations*
7.3.	*subprogram_declaration*	→	*subprogram_head declarations* *compound_statement*
7.4.	*subprogram_declaration*	→	*subprogram_head declarations*
8.1.	*subprogram_head*	→	**procedure id ;**
8.2.	*subprogram_head*	→	**procedure id** *arguments* **;**
9.1.	*arguments*	→	(*parameter_list*)
10.1.	*parameter_list*	→	**id :** *type parameter_list′*
10.2.1.	*parameter_list′*	→	**; id :** *type parameter_list′*
10.2.2.	*parameter_list′*	→	ϵ
11.1.	*compound_statement*	→	**begin** *optional_statements* **end**
11.2.	*compound_statement*	→	**begin** **end**
12.	*optional_statements*	→	*statement_list*
13.1.	*statement_list*	→	*statement statement_list′*
13.2.1.	*statement_list′*	→	**;** *statement statement_list′*
13.2.2.	*statement_list′*	→	ϵ
14.1.	*statement*	→	*variable* **assignop** *expression*
14.2.	*statement*	→	*procedure_statement*
14.3.	*statement*	→	*compound_statement*
14.4.	*statement*	→	**if** *expression* **then** *statement*

14.5.	*statement*	$\rightarrow$	**if** *expression* **then** *statement* **else** *statement*
14.6.	*statement*	$\rightarrow$	**while** *expression* **do** *statement*
15.1.	*variable*	$\rightarrow$	**id**
15.2.	*variable*	$\rightarrow$	**id** [*expression*]
16.1.	*procedure_statement*	$\rightarrow$	**call id**
16.2.	*procedure_statement*	$\rightarrow$	**call id** (*expression_list*)
17.1.	*expression_list*	$\rightarrow$	*expression expression_list′*
17.2.1.	*expression_list′*	$\rightarrow$	**,** *expression expression_list′*
17.2.2.	*expression_list′*	$\rightarrow$	ϵ
18.1.	*expression*	$\rightarrow$	*simple_expression*
18.2.	*expression*	$\rightarrow$	*simple_expression* **relop** *simple_expression*
19.1.	*simple_expression*	$\rightarrow$	*term simple_expression′*
19.2.	*simple_expression*	$\rightarrow$	*sign term simple_expression′*
19.3.1.	*simple_expression′*	$\rightarrow$	**addop** *term simple_expression′*
19.3.2.	*simple_expression′*	$\rightarrow$	ϵ
20.1.	*term*	$\rightarrow$	*factor term′*
20.2.1.	*term′*	$\rightarrow$	**mulop** *factor term′*
20.2.2.	*term′*	$\rightarrow$	ϵ
21.1.	*factor*	$\rightarrow$	**id**
21.2.	*factor*	$\rightarrow$	**id** [*expression*]
21.3.	*factor*	$\rightarrow$	**num**
21.4.	*factor*	$\rightarrow$	(*expression*)
21.5.	*factor*	$\rightarrow$	**not** *factor*
22.1.	*sign*	$\rightarrow$	$+$
22.2.	*sign*	$\rightarrow$	$-$