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