1.	*program*	$\rightarrow$	**program id (** *identifier_list* **) ;**
			declarations
			subprogram_declarations
			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.	*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.	*subprogram_declarations*	$\rightarrow$	ϵ
7.	*subprogram_declaration*	$\rightarrow$	*subprogram_head declarations*
			subprogram_declarations compound_statement
8.	*subprogram_head*	$\rightarrow$	**procedure id** *arguments* **;**
9.1.	*arguments*	$\rightarrow$	**(** *parameter_list* **)**
9.2.	*arguments*	$\rightarrow$	ϵ
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.	*compound_statement*	$\rightarrow$	**begin**
			optional_statements
			end
12.1.	*optional_statements*	$\rightarrow$	*statement_list*
12.2.	*optional_statements*	$\rightarrow$	ϵ
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*	$\rightarrow$	**while** *expression* **do** *statement*
14.5.	*statement*	$\rightarrow$	**if** *expression* **then** *statement else'*
15.1.	*else'*	$\rightarrow$	**else** *statement*
15.2.	*else'*	$\rightarrow$	ϵ
16.	*variable*	$\rightarrow$	**id** *array_access*
17.1.	*array_access*	$\rightarrow$	**[** *expression* **]**
17.2.	*array_access*	$\rightarrow$	ϵ
18.	*procedure_statement*	$\rightarrow$	**call id** *optional_expressions*
19.1.	*optional_expressions*	$\rightarrow$	**(** *expression_list* **)**
19.2.	*optional_expressions*	$\rightarrow$	ϵ
20.1.	*expression_list*	$\rightarrow$	*expression expression_list'*
20.2.1.	*expression_list'*	$\rightarrow$	**,** *expression expression_list'*
20.2.2.	*expression_list'*	$\rightarrow$	ϵ
21.	*expression*	$\rightarrow$	*simple_expression related_expression*
22.1.	*related_expression*	$\rightarrow$	**relop** *simple_expression*
22.2.	*related_expression*	$\rightarrow$	ϵ
23.1.	*simple_expression*	$\rightarrow$	*term simple_expression'*
23.2.	*simple_expression*	$\rightarrow$	*sign term simple_expression'*
23.3.1.	*simple_expression'*	$\rightarrow$	**addop** *term simple_expression'*
23.3.2.	*simple_expression'*	$\rightarrow$	ϵ

24.1.	$term$	$\rightarrow$	$factor\ term'$
24.2.1.	$term'$	$\rightarrow$	**mulop** $factor\ term'$
24.2.2.	$term'$	$\rightarrow$	ϵ
25.1.	$factor$	$\rightarrow$	$variable$
25.2.	$factor$	$\rightarrow$	**num**
25.3.	$factor$	$\rightarrow$	($expression$)
25.4.	$factor$	$\rightarrow$	**not** $factor$
26.1.	$sign$	$\rightarrow$	$+$
26.2.	$sign$	$\rightarrow$	$-$