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**
2.2.	*identifier_list*	$\rightarrow$	*identifier_list* , **id**
3.1.	*declarations*	$\rightarrow$	**var id :** *type* ;
3.2.	*declarations*	$\rightarrow$	*declarations* **var id :** *type* ;
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* ;
6.2.	*subprogram_declarations*	$\rightarrow$	*subprogram_declarations subprogram_declaration* ;
7.1.	*subprogram_declaration*	$\rightarrow$	*subprogram_head declarations*
			subprogram_declarations compound_statement
7.2.	*subprogram_declaration*	$\rightarrow$	*subprogram_head*
			subprogram_declarations compound_statement
7.3.	*subprogram_declaration*	$\rightarrow$	*subprogram_head 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*
10.2.	*parameter_list*	$\rightarrow$	*parameter_list* ; **id :** *type*
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*
13.2.	*statement_list*	$\rightarrow$	*statement_list* ; *statement*
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_
17.2.	_expression_list_	$\rightarrow$	_expression_list_ **,** _expression_
18.1.	_expression_	$\rightarrow$	_simple_expression_
18.2.	_expression_	$\rightarrow$	_simple_expression_ **relop** _simple_expression_
19.1.	_simple_expression_	$\rightarrow$	_term_
19.2.	_simple_expression_	$\rightarrow$	_sign term_
19.3.	_simple_expression_	$\rightarrow$	_simple_expression_ **addop** _term_
20.1.	_term_	$\rightarrow$	_factor_
20.2.	_term_	$\rightarrow$	_term_ **mulop** _factor_
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_	$\rightarrow$	**−**