

Γραμματική της *minimal++*

<code><program></code>	<code>::=</code>	<code>program id { <block> }</code>
<code><block></code>	<code>::=</code>	<code><declarations> <subprograms> <statements></code>
<code><declarations></code>	<code>::=</code>	<code>(declare <varlist>;)*</code>
<code><varlist></code>	<code>::=</code>	<code>ε id (, id)*</code>
<code><subprograms></code>	<code>::=</code>	<code>(<subprogram>)*</code>
<code><subprogram></code>	<code>::=</code>	<code>function id <funcbody> procedure id <funcbody></code>
<code><funcbody></code>	<code>::=</code>	<code><formalpars> { <block> }</code>
<code><formalpars></code>	<code>::=</code>	<code>(<formalparlist>)</code>
<code><formalparlist></code>	<code>::=</code>	<code><formalparitem> (, <formalparitem>)* ε</code>
<code><formalparitem></code>	<code>::=</code>	<code>in id inout id</code>
<code><statements></code>	<code>::=</code>	<code><statement> { <statement> (; <statement>)* }</code>
<code><statement></code>	<code>::=</code>	<code><assignment-stat> </code> <code><if-stat> </code> <code><while-stat> </code> <code><doublewhile-stat> </code> <code><loop-stat> </code> <code><exit-stat> </code> <code><forcase-stat> </code> <code><incase-stat> </code> <code><call-stat> </code> <code><return-stat> </code> <code><input-stat> </code> <code><print-stat></code>
<code><assignment-stat></code>	<code>::=</code>	<code>id := <expression></code>
<code><if-stat></code>	<code>::=</code>	<code>if (<condition>) then <statements> <elsepart></code>
<code><elsepart></code>	<code>::=</code>	<code>ε else <statements></code>
<code><while-stat></code>	<code>::=</code>	<code>while (<condition>) <statements></code>
<code><doublewhile-stat></code>	<code>::=</code>	<code>doublewhile (<condition>) <statements></code> <code>else <statements></code>
<code><loop-stat></code>	<code>::=</code>	<code>loop <statements></code>
<code><exit-stat></code>	<code>::=</code>	<code>exit</code>

<forcase-stat>	::=	forcase (when (<condition>) : <statements>) * default: <statements>
<incase-stat>	::=	incase (when (<condition>) : <statements>) *
<return-stat>	::=	return <expression>
<call-stat>	::=	call id <actualpars>
<print-stat>	::=	print (<expression>)
<input-stat>	::=	input (id)
<actualpars>	::=	(<actualparlist>)
<actualparlist>	::=	<actualparitem> (, <actualparitem>) * ε
<actualparitem>	::=	in <expression> inout id
<condition>	::=	<boolterm> (or <boolterm>) *
<boolterm>	::=	<boolfactor> (and <boolfactor>) *
<boolfactor>	::=	not [<condition>] [<condition>] <expression> <relational-oper> <expression>
<expression>	::=	<optional-sign> <term> (<add-oper> <term>) *
<term>	::=	<factor> (<mul-oper> <factor>) *
<factor>	::=	constant (<expression>) id <idtail>
<idtail>	::=	ε <actualpars>
<relational-oper>	::=	= <= >= > < <>
<add-oper>	::=	+ -
<mul-oper>	::=	* /
<optional-sign>	::=	ε <add-oper>