- Grammatica da modificare -

\<prog \> ::= \<statlist \> EOF

\<statlist \> ::= \<stat \> \<statlistp \>

\<statlistp \> ::= ; \<stat \> \<statlistp \> | ε

\<stat \> ::= assign \<assignlist \>
    | print (\<exprlist \>)
    | read (\<idlist\>)
    | for (\<forp\>) do \<stat\>
    | if (\<bexpr \>) \<stat \> \<ifp \> end
       | { \<statlist \> }

\<forp \> ::= ID := \<expr\> ; \<bexpr\>
      | \<bexpr \>

\<ifp\> ::= else \<stat \> | ε

\<assignlist \> ::= [\<expr\> to \<idlist\>] \<assignlistp\>

\<assignlistp \> ::= [\<expr\> to \<idlist\>] \<assignlistp\> | ε

\<idlist \> :: = ID \<idlistp\>

\<idlistp \> ::= , ID \<idlistp\> | ε

\<bexpr \> ::= RELOP \<expr \> \<expr \>

\<expr \> ::= + (\<exprlist\>)
      | - \<expr\> \<expr\>
   | * (\<exprlist\>)
     | / \<expr\> \<expr\>
     | NUM
     | ID

\<exprlist \> ::= \<expr \> \<exprlistp \>

\<exprlistp \> ::= , \<expr \> \<exprlistp \> | ε

FIRST e FOLLOW della grammatica modificata

Non terminali	Produzione	Guida
<prog>	<statlist> EOF	assign print read for if {
<statlist>	<stat> <statlisp>	assign print read for if {
<statlisp>	; <stat> <statlistp>	;
	ε	EOF }
<stat>	assign <assignlist>	assign
	print (<exprlsit>)	print
	for (<forp>) do <stat>	for
	if (<bexpr>) <stat> <ifp> end	if
	{ <statlist> }	{
<forp>	ID := <expr> ; <bexpr>	ID
	<bexpr>	RELOP
<ifp>	else <stat>	ELSE
	ε	assign print read for if {
<assignlist>	[<expr> to <idlist>] <assignlistp>	[
<assignListp>	[<expr> to <idlist>] <assignlistp>	[
<idlist>	ID <idlistp>	ID
	, ID <idlistp>	,
	ε	)]
<bexpr>	RELOP <expr> <expr>	RELOP
<expr>	+ (<exprlist>)	+
	- <expr> <expr>	-
	* (<exprlist>)	*
	/ <expr><expr>	/
	NUM	NUM
	ID	ID
<exprlist>	<expr><exprlist>	+ - * / NUM ID
<exprlistp>	, <expr> , <exprlistp>	,
	ε	)