G INIZIALE

(

 N = {Program, Stmt, Expr, Term},

 T = {ID, IF, THEN, RELOP, NUMBER, ;, ASSIGN},

 S = Program

 P = {

          Program -> Program ; Stmt

                           |  Stmt

           Stmt -> IF Expr THEN Stmt

                     | ID ASSIGN Expr

          Expr ->  Term  RELOP Term

                    |   Term

          Term ->  ID

                     |  NUMBER

       }

)

G risulta essere ricorsiva a sinistra.

Elimino la ricorsione a sinistra.

 P = {

          Program -> Stmt Program1

Program1 -> ; Stmt Program1 | ε

Stmt -> IF Expr THEN Stmt

                     | ID ASSIGN Expr

          Expr ->  Term  RELOP Term

                    |   Term

          Term ->  ID

                     |  NUMBER

       }

G risulta essere fattorizzabile a sinistra.

Elimino la fattorizzazione a sinistra.

 P = {

          Program -> Stmt Program1

Program1 -> ; Stmt Program1 | ε

Stmt -> IF Expr THEN Stmt

                     | ID ASSIGN Expr

Expr ->  Term Expr1

Expr1 -> RELOP Term

Expr1 -> ε

Term ->  ID

            |  NUMBER

       }