```
Grammar mC:
program → var_declaration | function_declaration
var_declartion → type list_id SM
type \rightarrow INT | FLOAT
list id → ID COMA list id
       | ID
Function_declaration → type ID parameter_declaration body_declaration
parameter_declartion → LP list_parameter RP
list_parameter → not_empty_paralist
               empty
not_empty_paralist → parameter COMA not_empty_paralist
                   parameter
parameter → type list_id
body_declaration → LB body RB
body → not_empty_body
     empty
not_empty_body → varDec&stm not_empty_body | varDecOrStm
var_declaration_or_statement → vadeclaration | statement
statement → statement SM
          empty
statement → assign | call | return
assign \rightarrow ID EQUAL exp
call → ID LP list_expr RP
list_expr → not_empty_exprlist
         | empty
not_empty_exprlist → exp CM not_empty_exprlist
                   | exp
```

```
return → RETURN exp SM

exp → exp1 ADD exp

| exp1

exp1 → exp2 SUB exp2

| exp2

exp2 → exp2 MUL exp3

| exp2 DIV exp3

| exp3

exp3 → operands

operands → INTLIT

| FLOATLIT

| ID

| call

| sub_exp

sub_exp → LP exp RP
```