

program_sym program

identifier example

lparen (

identifier input

comma ,

identifier output

rparen)

semicolon ;

var_sym var

litchar x

comma ,

litchar y

colon :

integer_sym integer

semicolon ;

function_sym function

identifier gcd

lparen (

litchar a

comma ,

litchar b

colon :

integer_sym integer

rparen)

colon :

integer_sym integer

semicolon ;

begin_sym begin

lbrace {

identifier gcd
rbrace }
if_sym if
litchar b
greaterequal >=
number 0
then_sym then
identifier gcd
assign :=
litchar a
else_sym else
identifier gcd
assign :=
lparen (
litchar b
comma ,
litchar a
mod_sym mod
litchar b
rparen)
end_sym end
semicolon ;
lbrace {
identifier gcd
rbrace }
begin_sym begin
lbrace {
identifier example
rbrace }

read read

lparen (

litchar x

comma ,

litchar y

rparen)

semicolon ;

write_sym write

lparen (

identifier gcd

lparen (

litchar x

comma ,

litchar y

rparen)

rparen)

semicolon ;

end_sym end

period .