PROGRAM -> DECLARA-LIB A

A -> class id begin DECLARA ESTATUTOS end

DECLARA-LIB -> A

DECLARA-LIB -> import id\_lib ; DECLARA-LIB

DECLARA -> ε

DECLARA -> def B

B -> id C

C -> , B

C -> as TIPO ; DECLARA

TIPO -> integer

TIPO -> float

TIPO -> char

TIPO -> string

TIPO -> boolean

ESTATUTOS -> ε

ESTATUTOS -> EST\_ASIG ; ESTATUTOS

ESTATUTOS -> EST\_IF ; ESTATUTOS

ESTATUTOS -> EST\_WHILE ; ESTATUTOS

ESTATUTOS -> EST\_FOR ; ESTATUTOS

ESTATUTOS -> EST\_READ ; ESTATUTOS

ESTATUTOS -> EST\_WRITE ; ESTATUTOS

ESTATUTOS -> EST\_ENTER ; ESTATUTOS

EST\_IF -> if ( EXPR ) ESTATUTOS D

D -> endif

D -> else ESTATUTOS endif

EST\_WHILE -> while ( EXPR ) ESTATUTOS endwhile

EST\_FOR -> for ( EST\_ASIG : EXPR ) ESTATUTOS endfor

EXPR -> EXPR2 E

E -> ε

E -> || EXPR

EXPR2 -> EXPR3 F

F -> ε

F -> && EXPR2

EXPR3 -> G

G -> EXPR4

G -> ! EXPR4

EXPR4 -> EXPR5 H

H -> ε

H -> OPREL EXPR5

EXPR5 -> TERM I

I -> ε

I -> + EXPR5

I -> - EXPR5

TERM -> FACT J

J -> ε

J -> \* TERM

J -> / TERM

J -> % TERM

FACT -> id

FACT -> cteentera

FACT -> ctenotacion

FACT -> ctecaracter

FACT -> ctestring

FACT -> ( EXPR )

OPREL -> ==

OPREL -> !=

OPREL -> <

OPREL -> <=

OPREL -> >

OPREL -> >=

EST\_ENTER -> enter

EST\_ASIG -> id = EXPR

EST\_WRITE -> write ( K

K -> EXPR L

L -> )

L -> , K

EST\_READ -> read ( M

M -> id N

N -> )

N -> , M