P -> SS

SS -> S | S SEMI SS

S -> ID ASSIG EXP

EXP -> T TT

TT -> AOP T TT | epsilon

T -> F FT

FT -> MOP F FT | epsilon

F -> LPAREN EXP RPAREN | ID | CONST

CONST -> const

ID -> id

ASSIG -> :=

SEMI -> ;

AOP -> + | -

MOP -> \* | /

LPAREN -> (

RPAREN -> )

program P

statements SS

statement S

ident ID

mult\_op MOP

add\_op AOP

assignment\_op ASSIG

term\_tail TT

semi\_colon SEMI

factor\_tail FT

factor F

left\_paren LPAREN

right\_paren RPAREN

expression EXP

const CONST

P -> SS

SS -> S

SS -> S SEMI SS

S -> ID ASSIG EXP

EXP -> T TT

TT -> AOP T TT

TT -> ''

T -> F FT

FT -> MOP F FT

FT -> ''

F -> LPAREN EXP RPAREN

F -> ID

F -> CONST

CONST -> const

ID -> id

ASSIG -> :=

SEMI -> ;

AOP -> +

AOP -> -

MOP -> \*

MOP -> /

LPAREN -> (

RPAREN -> )