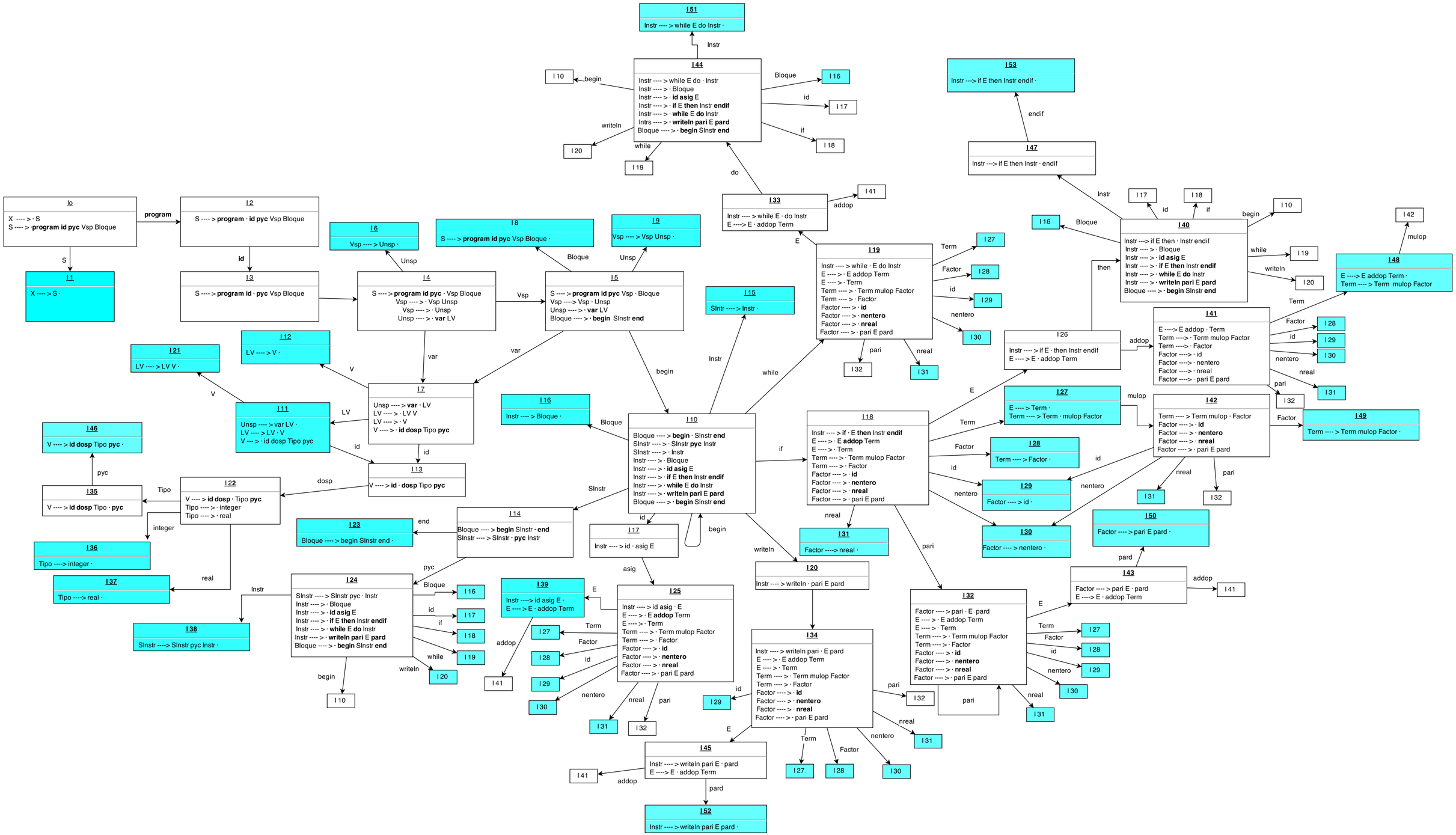
I0
X ----> · S
S ----> ·program id pyc Vsp Bloque
program
S
I1
X ----> S ·
I2
S ----> program · id pyc Vsp Bloque
id
I3
S ----> program id · pyc Vsp Bloque
I4
S ----> program id pyc · Vsp Bloque
Vsp ----> · Vsp Unsp
Vsp ----> · Unsp
Unsp ----> · var LV
Vsp
I5
S ----> program id pyc Vsp · Bloque
Vsp ----> Vsp · Unsp
Unsp ----> · var LV
Bloque ----> · begin SInstr end
I6
Vsp ----> Unsp ·
Unsp
I8
S ----> program id pyc Vsp Bloque ·
Bloque
I9
Vsp ----> Vsp Unsp ·
Unsp
I7
Unsp ----> var · LV
LV ----> · LV V
LV ----> · V
V ----> · id dosp Tipo pyc
var
var
I12
LV ----> V ·
V
I21
LV ----> LV V ·
V
I11
Unsp ----> var LV ·
LV ----> LV · V
V ----> · id dosp Tipo pyc
LV
id
I13
V ----> id · dosp Tipo pyc
id
I46
V ----> id dosp Tipo pyc ·
pyc
I35
V ----> id dosp Tipo · pyc
Tipo
I22
V ----> id dosp · Tipo pyc
Tipo ----> · integer
Tipo ----> · real
dosp
integer
I36
Tipo ----> integer ·
real
I37
Tipo ----> real ·
I23
Bloque ----> begin SInstr end ·
end
I14
Bloque ----> begin SInstr · end
SInstr ----> SInstr · pyc Instr
pyc
I24
SInstr ----> SInstr pyc · Instr
Instr ----> · Bloque
Instr ----> · id asig E
Instr ----> · if E then Instr endif
Instr ----> · while E do Instr
Instr ----> · writeln pari E pard
Bloque ----> · begin SInstr end
Instr
I38
SInstr ----> SInstr pyc Instr ·
Bloque
I16
id
I17
if
I18
while
I19
writeln
I20
begin
I10
I16
Instr ----> Bloque ·
Bloque
I10
Bloque ----> begin · SInstr end
SInstr ----> · SInstr pyc Instr
SInstr ----> · Instr
Instr ----> · Bloque
Instr ----> · id asig E
Instr ----> · if E then Instr endif
Instr ----> · while E do Instr
Instr ----> · writeln pari E pard
Bloque ----> · begin SInstr end
SInstr
id
I17
Instr ----> id · asig E
asig
begin
I25
Instr ----> id asig · E
E ----> · E addop Term
E ----> · Term
Term ----> · Term mulop Factor
Term ----> · Factor
Factor ----> · id
Factor ----> · nentero
Factor ----> · nreal
Factor ----> · pari E pard
E
I39
Instr ----> id asig E ·
E ----> E · addop Term
addop
I41
Term
I27
Factor
I28
id
I29
nentero
I30
nreal
I31
pari
I32
I15
SInstr ----> Instr ·
Instr
while
I19
Instr ----> while · E do Instr
E ----> · E addop Term
E ----> · Term
Term ----> · Term mulop Factor
Term ----> · Factor
Factor ----> · id
Factor ----> · nentero
Factor ----> · nreal
Factor ----> · pari E pard
Term
I27
Factor
I28
id
I29
nentero
I30
pari
I32
nreal
I31
I33
Instr ----> while E · do Instr
E ----> E · addop Term
addop
I41
do
I144
Instr ----> while E do · Instr
Instr ----> · Bloque
Instr ----> · id asig E
Instr ----> · if E then Instr endif
Instr ----> · while E do Instr
Intrs ----> · writeln pari E pard
Bloque ----> · begin SInstr end
Instr
I51
Instr ----> while E do Instr ·
I10
begin
Bloque
I16
id
I17
if
I18
writeln
I20
while
I19
I53
Instr ---> if E then Instr endif ·
endif
I47
Instr ---> if E then Instr · endif
Instr
I17
id
I18
if
I16
Bloque
I40
Instr ---> if E then · Instr endif
Instr ----> · Bloque
Instr ----> · id asig E
Instr ----> · if E then Instr endif
Instr ----> · while E do Instr
Instr ----> · writeln pari E pard
Bloque ----> · begin SInstr end
begin
I10
while
I19
writeln
I20
then
I26
Instr ----> if E · then Instr endif
E ----> E · addop Term
addop
I41
E ----> E addop · Term
Term ----> · Term mulop Factor
Term ----> · Factor
Factor ----> · id
Factor ----> · nentero
Factor ----> · nreal
Factor ----> · pari E pard
Term
Factor
I28
id
I29
nentero
I30
nreal
I31
pari
I32
I42
Term ----> E addop Term ·
Term ----> Term ·mulop Factor
mulop
I48
E ----> E addop Term ·
Term ----> Term mulop Factor
E
I27
Term ----> Term ·
Term ----> Term · mulop Factor
mulop
I42
Term ----> Term mulop · Factor
Factor ----> · id
Factor ----> · nentero
Factor ----> · nreal
Factor ----> · pari E pard
Factor
I49
Term ----> Term mulop Factor ·
I18
Instr ----> if · E then Instr endif
E ----> · E addop Term
E ----> · Term
Term ----> · Term mulop Factor
Term ----> · Factor
Factor ----> · id
Factor ----> · nentero
Factor ----> · nreal
Factor ----> · pari E pard
if
Term
I28
Term ----> Factor ·
Factor
id
I29
Factor ----> id ·
nentero
I30
Factor ----> nentero ·
nreal
I31
Factor ----> nreal ·
pari
I32
Factor ----> pari · E pard
E
id
nentero
nreal
pari
I31
I32
I50
Factor ----> pari E pard ·
pard
I43
Factor ----> pari E · pard
E ----> E · addop Term
addop
I41
writeln
I20
Instr ----> writeln · pari E pard
I34
Instr ----> writeln pari · E pard
E ----> · E addop Term
E ----> · Term
Term ----> · Term mulop Factor
Term ----> · Factor
Factor ----> · id
Factor ----> · nentero
Factor ----> · nreal
Factor ----> · pari E pard
id
I29
pari
I32
nreal
I31
nentero
I30
Term
I27
Factor
I28
E
I145
Instr ----> writeln pari E · pard
E ----> E · addop Term
I41
addop
pard
I152
Instr ----> writeln pari E pard ·
I32
Factor ----> pari · E pard
E ----> · E addop Term
E ----> · Term
Term ----> · Term mulop Factor
Term ----> · Factor
Factor ----> · id
Factor ----> · nentero
Factor ----> · nreal
Factor ----> · pari E pard
E
Term
I27
Factor
I28
id
I29
nentero
I30
pari
I32
nreal
I31