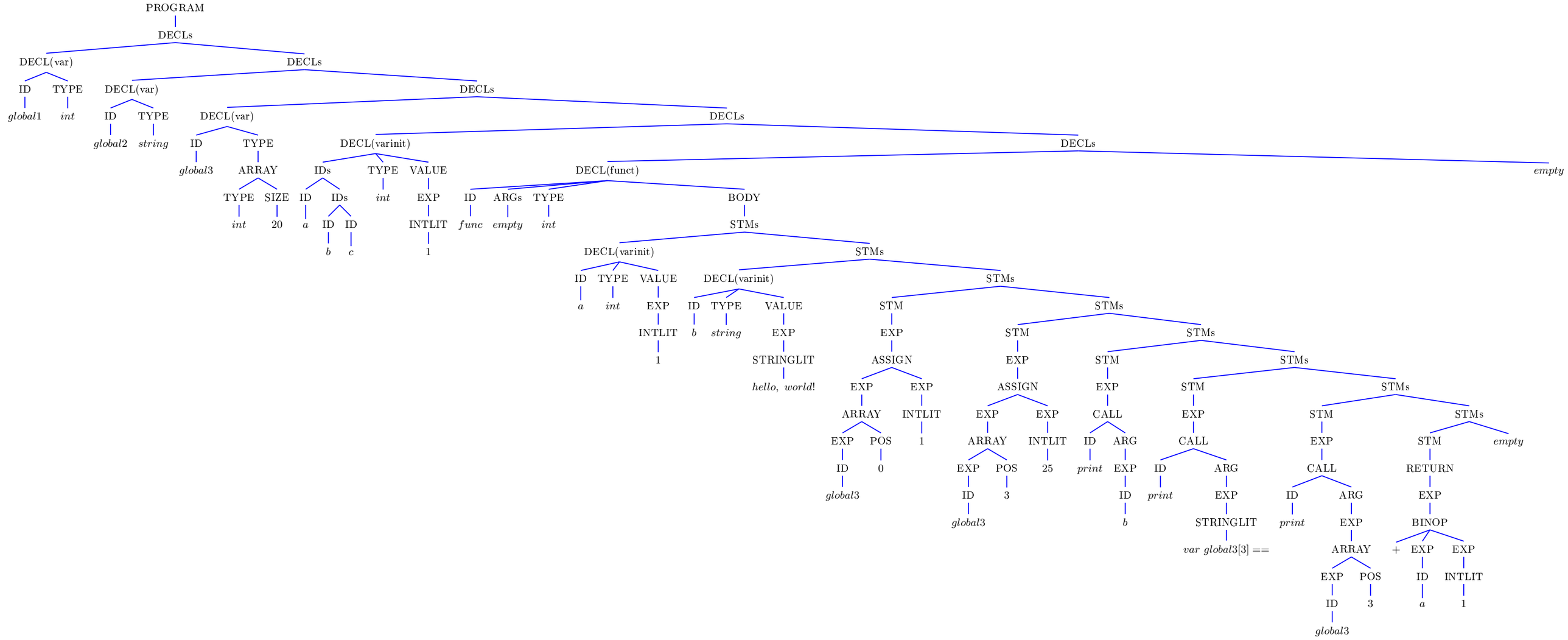
PROGRAM
DECLs
DECL(var)
DECLs
ID
TYPE
global1
int
DECL(var)
DECLs
ID
TYPE
global2
string
DECL(var)
DECLs
ID
TYPE
global3
ARRAY
DECL(varinit)
DECLs
TYPE
SIZE
IDs
TYPE
VALUE
int
20
ID
IDs
int
EXP
a
ID
ID
INTLIT
b
c
1
DECL(funct)
DECLs
empty
ID
ARGs
TYPE
BODY
func
empty
int
STMs
DECL(varinit)
STMs
ID
TYPE
VALUE
DECL(varinit)
STMs
a
int
EXP
ID
TYPE
VALUE
STM
STMs
INTLIT
b
string
EXP
EXP
STM
STMs
1
STRINGLIT
ASSIGN
EXP
STM
STMs
hello, world!
EXP
EXP
ASSIGN
STM
STMs
ARRAY
INTLIT
EXP
EXP
CALL
EXP
STM
STMs
EXP
POS
1
ARRAY
INTLIT
ID
ARG
CALL
EXP
STM
STMs
ID
0
EXP
POS
25
print
EXP
ID
ARG
EXP
STM
STMs
global3
ID
3
ID
print
EXP
STRINGLIT
RETURN
global3
b
var global3[3] ==
print
EXP
BINOP
ARRAY
+
EXP
EXP
EXP
POS
ID
INTLIT
ID
3
a
1
global3