Attribute Grammar

Nodo	Predicados	Reglas Semánticas
program → *definitions*:definition*		
varDefinition:definition → *name*:String *type*:type	variables.getFromTop(name) == null	variables[name] = varDefinition

structDefinition:definition → *name*:varType *definitions*:structField*	variables.getFromAny(name) == null	variables[name] = structDefinition
		structs[name] = structDefinition

funDefinition:definition → *name*:String *params*:definition* *return_t*:type *definitions*:varDefinition* *sentences*:sentence*	funciones[name] == null	funciones[name] = funDefinition
structField:definition → *name*:String *type*:type	variables.getFromTop(name) == null	variables[name] = structField
intType:type → λ		
realType:type → λ		
charType:type → λ		
varType:type → *type*:String		
voidType:type → λ		
arrayType:type → *size*:intConstant *type*:type		
structType:type → *fields*:structField*		
errorType:type → λ		
print:sentence → *expression*:expression		
printsp:sentence → *expression*:expression		
println:sentence → *expression*:expression		
read:sentence → *expression*:expression		
assignment:sentence → *left*:expression *right*:expression		
return:sentence → *expression*:expression		
ifElse:sentence → *expression*:expression *if_s*:sentence* *else_s*:sentence*		
while:sentence → *expression*:expression *sentence*:sentence*		
funcInvocation:sentence → *name*:String *params*:expression*	funciones[name] ¡= null	funcInvocation.definition = funciones[name]
variable:expression → *name*:String	variables.getFromAny(name) ¡= null	variable.definition = variables[name]
intConstant:expression → *value*:String		

realConstant:expression → *value*:String		
charConstant:expression → *value*:String		
voidConstant:expression → λ		
funcInvocationExpression:expression → *name*:String *params*:expression*	funciones[name] ¡= null	funcInvocationExpression.definition = funciones[name]
arithmeticExpression:expression → *left*:expression *operator*:String *right*:expression		
logicalExpression:expression → *left*:expression *operator*:String *right*:expression		
unaryExpression:expression → *operator*:String *expr*:expression		
comparableExpression:expression → *left*:expression *operator*:String *right*:expression		
castExpression:expression → *type*:type *expr*:expression		
fieldAccessExpression:expression → *expr*:expression *name*:String		
indexExpression:expression → *expr*:expression *index*:expression		

Recordatorio de los operadores (para cortar y pegar): ⇒ ⇔ ≠ ∅ ∈ ∉ ∪ ∩ ⊂ ⊄ ∑ ∃ ∀

Atributos

Nodo/Categoría Sintáctica	Nombre del Atributo	Tipo Java	Heredado/Sintetizado	Descripción
funcInvocation	definition	FuncDefinition	Sintetizado	
funcInvocationExpression	definition	FuncDefinition	Sintetizado	
variable	definition	VarDefinition	Sintetizado	