

TreeList

ListDeclClass

ListDeclField

ListDeclMethod

ListDeclParam

ListDeclVar

ListExpr

ListInst

Location

Tree

AbstractDeclParam

AbstractDeclMethod

AbstractDeclField

AbstractDeclClass

AbstractDeclVar

AbstractInst

AbstractProgram

AbstractMethodBody

AbstractInitialization

AbstractMain

MethodAsmBody

Initialization

Main

EmptyMain

Program

DeclParam

DeclMethod

DeclField

DeclClass

DeclVar

AbstractExpr

IfThenElse

While

return

AbstractPrint

Print  
Println

NoOperation

AbstractLValue

AbstractReadExpr

AbstractBinaryExpr

BooleanLiteral

FloatLiteral

IntLiteral

StringLiteral

Null

InstanceOf

Cast

This

New

MethodCall

AbstractUnaryExpr

ConvFloat

UnaryMinus

Not !

Dot .

AbstractIdentifier

Identifier

ReadInt  
ReadFloat

Assign

AbstractOpCmp

AbstractOpBool

AbstractOpArith

AbstractOpIneq

Greater >  
GreaterOrEqual >=  
Lower <  
LowerOrEqual <=

AbstractOpExactCmp

Equals ==  
NotEquals !=Or ||  
And &&Plus +  
Minus -  
Multiply \*  
Divide /  
Modulo %