

Syntax

...

SYNTAX

$Id ::= object$

$| null$

SYNTAX

$Variable ::= \#Int$

SYNTAX

$VariableName ::= \psi \#Int$

SYNTAX

$Selector ::= \langle init \rangle s()IV$

SYNTAX

$TypeName ::= \#Id$

$| \#Id / TypeName$

SYNTAX

$TypeReference ::= \langle \#Id , TypeName \rangle$

SYNTAX

$FieldReference ::= \langle \#Id , TypeName , Id , TypeReference \rangle$

SYNTAX

$MethodReference ::= \langle \#Id , TypeName , Selector \rangle$

SYNTAX

$Params ::= List(Variable, ...)$

SYNTAX

$NewInstructionBase ::= Variable \rightarrow new TypeReference @ \#Int$

SYNTAX

$NewInstruction ::= NewInstructionBase$

$(NewInstructionBase (Params)$

$Variable \rightarrow getField FieldReference Variable$

$Variable \rightarrow getStatic FieldReference$

$Variable \rightarrow putfield Variable = Variable FieldReference$

$Variable \rightarrow putStatic Variable FieldReference$

$return$

$noInstruction$

$main$

SYNTAX

$BBEdge ::= \#Id \rightarrow \#Id :$

SYNTAX

$BlockBody ::= Instruction$

$BlockBody ; BlockBody$

SYNTAX

$Block ::= \#Id : \{ BlockBody \}$

$\#Id : \{ \}$

SYNTAX

$TaskUnit ::= BBEdge$

$Block$

$start$

$analysis$

SYNTAX

$Task ::= TaskUnit$

$Task Task$

END MODULE

MODULE KWALA-SYNTAX

Semantics

...

Configuration

...

CONFIGURATION:

