

Languages-beta: SIMPLE-5-Programs *

The P_LanCompS Project

SIMPLE-5-Programs.cbs | PLAIN | PRETTY

Language "SIMPLE"

5 Programs

Syntax $Pgm : pgm ::= decls$

Semantics $run[Decls : pgm] : \Rightarrow values$
 $= scope($
 $collateral(declarations[Decls]),$
 $sequential($
 $initialisations[Decls],$
 $apply(assigned(bound("main")), tuple()))$

Syntax $Decls : decls ::= decl decls?$

Semantics $declarations[_ : decls] : (\Rightarrow environments)^+$
Rule $declarations[Decl] = declare[Decl]$
Rule $declarations[Decl Decls] = declare[Decl], declarations[Decls]$

Semantics $initialisations[_ : decls] : (\Rightarrow null-type)^+$
Rule $initialisations[Decl] = initialise[Decl]$
Rule $initialisations[Decl Decls] =$
 $initialise[Decl], initialisations[Decls]$

*Suggestions for improvement: plancomps@gmail.com.
Reports of issues: <https://github.com/plancomps/CBS-beta/issues>.