Oct 16th Report

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Contents

1 Var Class

For the structure of **Var** class, there are two possible design structures:

Type: type()

Var

BoolVar
type()

IntVar
type()

Variable

Var *

Variable

Declaration

Verification

I tried them both, then I choose the first one.

2 Unused Variables

For displaying the message for unused variables, could create another visitor and let it traverse the Antlr AST after the type checker(because need to make sure there is no syntax error or type error), then use a map to output the unused variables.

boolean b1
boolean b2
verify b1
verify b2

bolean b1

boolean b2

verify b1

verify b2

decls(T): {b1, b2}
used(T): {b1, b2}
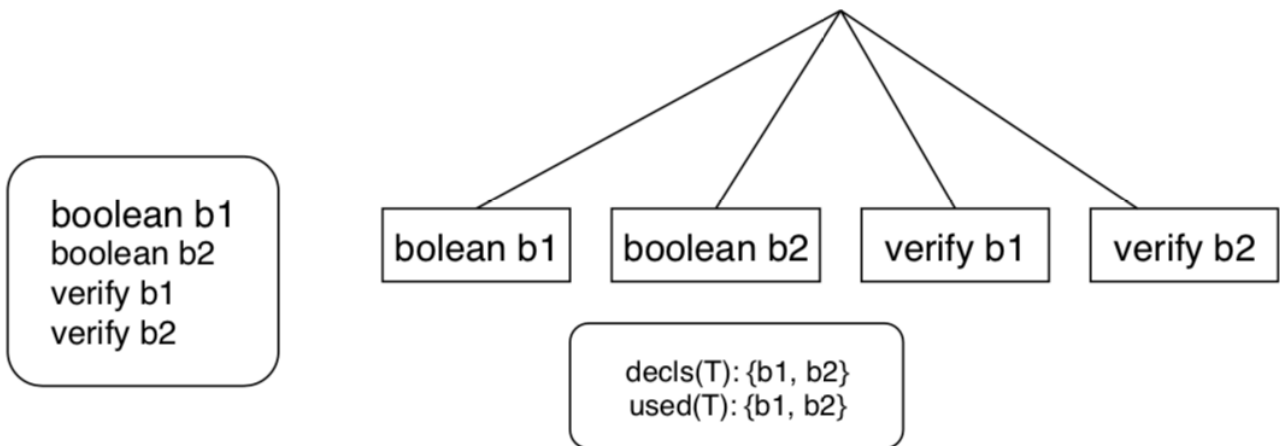
3 Regression tests

I added 43 more regression test cases.