Unstable-Languages-beta: IMPPP-3 *

The PLanCompS Project

```
IMPPP-3.cbs | PLAIN | PRETTY
```

Language "IMPPP"

3 Boolean expressions

```
Syntax BExp: bexp: "= 'false'

| 'true'
| aexp'<='aexp
| '!' bexp
| bexp '&&' bexp
| '('bexp')'

Semantics eval-bool[_: bexp]]: \Rightarrow booleans

Rule eval-bool[_'false']] = false

Rule eval-bool[_'true']] = true

Rule eval-bool[_AExp_1'<='AExp_2]] =

is-less-or-equal left-to-right(eval-arith[_AExp_1]], eval-arith[_AExp_2]])

Rule eval-bool[_BExp_1'&&'_BExp_]] =

if-true-else(eval-bool[_BExp_1]], eval-bool[_BExp_2]], false)

Rule eval-bool[_'('BExp')']] = eval-bool[_BExp_]]
```

^{*}Suggestions for improvement: plancomps@gmail.com.
Reports of issues: https://github.com/plancomps/CBS-beta/issues.