

Languages-beta: SIMPLE-A-Disambiguation *

The PPlanCompS Project

SIMPLE-A-Disambiguation.cbs | PLAIN | PRETTY

Language "SIMPLE"

A Disambiguation

Lexis SDF

lexical syntax
`id = keyword {reject}`

lexical restrictions
`id -/- [A-Za-z0-9]`

Syntax SDF

context-free syntax
`exp ::= exp '*' exp {left}`
`exp ::= exp '/' exp {left}`
`exp ::= exp '%' exp {left}`

`exp ::= exp '+' exp {left}`
`exp ::= exp '-' exp {left}`

`exp ::= exp '&&' exp {left}`
`exp ::= exp '||' exp {left}`

context-free priorities
{
 `exp ::= exp '(' exps? ')'`
}>
{
 `exp ::= '-' exp`
 `exp ::= '++' lexp`
 `exp ::= '!' exp`
}>
{left:
 `exp ::= exp '*' exp`
 `exp ::= exp '/' exp`
 `exp ::= exp '%' exp`
}>
{left:
 `exp ::= exp '+' exp`
 `exp ::= exp '-' exp`
}>

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

```

{non-assoc:
  exp ::= exp '<' exp
  exp ::= exp '<=' exp
  exp ::= exp '>' exp
  exp ::= exp '>=' exp
  exp ::= exp '==' exp
  exp ::= exp '!=' exp
} >
{assoc:
  exp ::= exp '&&' exp
} >
{assoc:
  exp ::= exp '||' exp
} >
{
  exp ::= lexp '=' exp
}

```