Languages-beta: SIMPLE-A-Disambiguation *

The PLanCompS 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
} >
```

```
{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
}
```