Languages-beta: SIMPLE-A-Disambiguation

The PLanCompS Project

Languages-beta/SIMPLE/SIMPLE-A-Disambiguation/SIMPLE-A-Disambiguation.cbs*

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
}
```