

Languages-beta: SIMPLE-A-Disambiguation

The P_{LAN}CompS 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`

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

```

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
}

```