

# Languages-beta: SIMPLE-A-Disambiguation \*

The PPlanCompS Project

SIMPLE-A-Disambiguation.cbs | PLAIN | PRETTY

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*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`  
}>

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\*Suggestions for improvement: [plancomps@gmail.com](mailto: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
}

```