

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

The P<sub>L</sub>anCompS 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  
}
```