

NAME

yacc – yet another compiler-compiler

SYNOPSIS

yacc [**-v**] [grammar]

DESCRIPTION

Yacc converts a context-free grammar into a set of tables for a simple automaton which executes an LR(1) parsing algorithm. The grammar may be ambiguous; specified precedence rules are used to break ambiguities.

The output is *y.tab.c*, which must be compiled by the C compiler and loaded with any other routines required (perhaps a lexical analyzer) and the Yacc library:

```
cc y.tab.c other.o -ly
```

If the **-v** flag is given, the file *y.output* is prepared, which contains a description of the parsing tables and a report on conflicts generated by ambiguities in the grammar.

SEE ALSO

“LR Parsing”, by A. V. Aho and S. C. Johnson, Computing Surveys, June, 1974. “The YACC Compiler-compiler”, internal memorandum.

AUTHOR

S. C. Johnson

FILES

y.output	
y.tab.c	
/lib/liby.a	runtime library for compiler

DIAGNOSTICS

The number of reduce-reduce and shift-reduce conflicts is reported on the standard output; a more detailed report is found in the *y.output* file.

BUGS