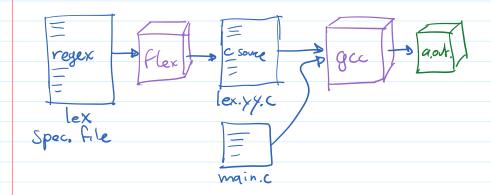
FLEX: A lexical Analyser generator.

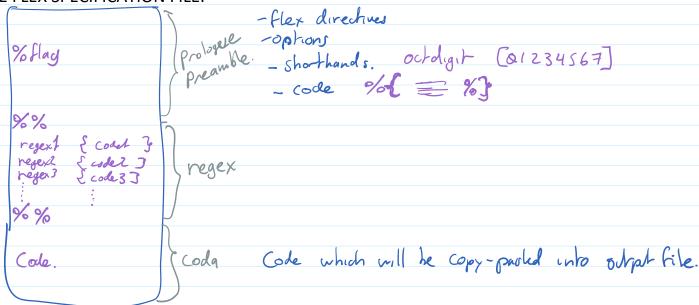
regex -> automata -> code.

'70 by Mike Lesk by Eric Schmidt. for ATRI Dased on Lex by Eric Schmidt. for UNIX

- · vses POSIX standard.
- Flex is a "generator" by Vern Paxson for B.S.D.



• THE FLEX SPECIFICATION FILE:



• THE CODE GENERATED BY FLEX:

- Variables:

- Variables:

yytext: ntca. the last string matched.

yylen: the length of yytext

yylval: A value attached to yytext.

yyin: The implifie.

- Function

xx lex(). The lexical analyser.
Implements the automata

xx wap(). Called when input is exhausted.

xx input(). reads one character from the input

• FLEX WORKFLOW:

\$ flex spec-file \rightarrow lex.yy.c
\$ gcc -lfl lex.yy.c *.c \rightarrow a.out
\$./a.out.

• FLEX TIE-BRAKERS:

suppose:

· [a-9]+ [23.27 • flex prefes longest string over shorter string decimal

· (W/w) hate(s)? whales, of lex prefers the first regular expression on file.

-O-FOF