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PROGRAM APPLICATION INSTRUCTION   Section 3 (I)
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PROF (I)   **PROF (I)**

NAME

prof — display profile data

SYNOPSIS

prof [−v] [−a] [−l] [−*low* [−*high*]] [file]

DESCRIPTION

Prof interprets the file *mon.out* produced by the *monitor* subroutine. Under default modes, the symbol table in the named object file *(a.out* default) is read and correlated with the *mon.out* profile file. For each external symbol, the percentage of time spent executing between that symbol and the next is printed (in decreasing order), together with the number of times that routine was called and the number of milliseconds per call.

If the −a option is used, all symbols are reported rather than just external symbols. If the −l option is used, the output is listed by symbol value rather than decreasing percentage.

If the −v option is used, all printing is suppressed and a graphic version of the profile is produced on the standard output for display by the *plot* (I) filters. The numbers *low* and *high,* by default 0 and 100, cause a selected percentage of the profile to be plotted with accordingly higher resolution.

In order for the number of calls to a routine to be tallied, the −p option of *cc* must have been given when the file containing the routine was compiled. This option also arranges for the *mon.out* file to be produced automatically.

FILES

mon.out   for profile
a.out   for namelist

SEE ALSO

monitor (III), profil (II), cc (I), plot (I)

BUGS

Beware of quantization errors.