

**NAME**

prof – display profile data

**SYNOPSIS**

**prof** [ **-a** ] [ **-l** ] [ file ]

**DESCRIPTION**

*Prof* interprets the file *mon.out* produced by the *monitor*(III) 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.

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)

**BUGS**

Beware of quantization errors.