

NAME            profil -- execution time profile

SYNOPSIS       profil = 44.                    / not in assembler

sys        profil; buff; bufsiz; offset; scale

DESCRIPTION   buff points to an area of core whose length (in bytes) is given by bufsiz. After this call, the user's program counter (pc) is examined each clock tick (60th second); offset is subtracted from it, and the result multiplied by scale. If the resulting number corresponds to a word inside buff, that word is incremented.

The scale is interpreted as an unsigned, fixed-point fraction with binary point at the left: 177777(8) gives a 1-1 mapping of pc's to words in buff; 77777(8) maps each pair of instruction words together. 2(8) maps all instructions onto the beginning of buff (producing a non-interrupting core clock).

Profiling is turned off by giving a scale of 0 or 1. It is rendered ineffective by giving a bufsiz of 0.

SEE ALSO       [profiling subroutines]

BUGS           Profiling must be turned off before an exec (II), since incrementation of the buffer is not automatically stopped.