Bell Telephone Laboratories, Incorporated -1 -PROGRAM APPLICATION INSTRUCTION

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PSLEEP(b)

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NAME

psleep – put process to sleep on bit pattern

SYNOPSIS

(psleep = 14.)psleep(process, pattern) int process; /* process number */ int pattern; /* bit pattern */

DESCRIPTION

Psleep puts the process process to sleep on the bit pattern pattern. This function is implemented by setting the pattern in the DCT table. Return is immediate and is usually followed by a *rdblk* at the higher level to become effective. The process is unroadblocked by a call to *pwakeup* with the bit pattern *pattern*. A value of 1 is returned from C.

In assembly language, r0 must contain the bit pattern and r1 the process number.

SEE ALSO

pwakeup(b), sleep(a), wakeup(a).

DIAGNOSTICS

In C, a null value is returned if the process does not exist.

In assembly language, the c-bit is set.

FUTURE AND DMERT DIAGNOSTICS

A -1 value is returned if the process does not exist.