Bell Telephone Laboratories, Incorporated PROGRAM APPLICATION INSTRUCTION

ATRICO SHU

PWAKEUP(b)

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PWAKEUP(b)

NAME

pwakeup – wake up processes sleeping on bit pattern

SYNOPSIS

(pwakeup = 15.)
pwakeup(pattern)
int pattern; /* bit pattern */

DESCRIPTION

Pwakeup wakes up all processes sleeping on the bit pattern *pattern*. The processes to be woken up are sent a wakeup event and set to run at a high priority. A value of 1 is returned from C.

In assembly language, r0 must contain the bit pattern.

SEE ALSO

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

DIAGNOSTICS

• value of 0 is returned from C if the one process is not a valid process number. In this case c error status code of --i is returned to the sender as an acknowledgement message. If no fore messages can be put on receiver's input restage queue, the message buffer is freed up.

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If the main process is not a valid process number, an error status code of MSFFAH is returned to the sender as an acknowledgment message. If no more messages can be put on the receiver's input message queue, the message buffer is freed and a -1 returned. Courted is pessed to the process' fault entry with a BADOST fault code, if the input mgbaf does not point to a valid allocated kernel message buffer.