MRECEIVE(a) **MRECEIVE(a)**

NAME

mreceive − get a message of type -1 (acknowledgement)

SYNOPSIS

(mreceive = 31.)

mreceive(msgbuf)

int *msgbuf; /* pointer to message buffer */

DESCRIPTION

Mreceive gets an acknowledgement message of type −1 in the buffer *msgbuf* from the process message input queue. (See sendmsg(a) for message header description). If no message is on this process's input queue of the type −1 a zero value is returned (In assembly language, the c-bit is set). The receiver of the message must fill in the *mssize* word to indicate the largest message he is willing to receive. The size of the message is exclusive of the size of the message header. This system function is provided to give the user control over the order in which he receives the different types of messages. The process is not road-blocked in the library routine waiting for a message event. Messages are dequeued according to FIFO. A value of 1 is returned from C.

SEE ALSO

sendmsg(a), sndmsgfrom(a), getmsg(a), gettype(a).

DIAGNOSTICS

A null value is returned from C if there are no messages on the process' input queue. The message link word *mslink* is non-zero if there are more messages on the process input queue. Otherwise it is zero.