QUEUEM(b)   QUEUEM(b)

NAME

    queuem − queue message on input queue

SYNOPSIS

    (queuem = 7.)
    queuem(msgbuf)
    int *msgbuf; /* pointer to message buffer */

DESCRIPTION

    Queuem queues the message pointed to by *msgbuf* on the input message queue of the process specified by *msto* in the message header. The current value of the message sequence number is placed in *msseqnum* of the message header and then incremented. A message event is sent to the *msto* process. A value of 1 is returned from C.

    In assembly language, r0 must contain the message buffer address.

SEE ALSO

    alocmsg(b), messink(b), dequeuem(b), freemsg(b), dqtype(b), queuemn(b)

DIAGNOSTICS

    A value of 0 is returned from C if the *msto* process is not a valid process number. In this case an error status code of −1 is returned to the sender as an acknowledgement message. If no more messages can be put on receiver's input message queue, the message buffer is freed up.

    In assembly language, the c-bit is set.

FUTURE AND DMERT DIAGNOSTICS

    If the *msto* process is not a valid process number, an error status code of *MSPFAIL* 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. Control is passed to the process' fault entry with a *BADOST* fault code, if the input *msgbuf* does not point to a valid allocated kernel message buffer.