Bell Telephone Laboratories, Incorporated PROGRAM APPLICATION INSTRUCTION

LOCKSEG(a)

NAME

lockseg – lock a segment in memory

SYNOPSIS

(lockseg = 11.) lockseg (segnum)

DESCRIPTION

The segment indexed by *segnum* is locked in memory (eg can not be swapped or moved from its current position in physical memory). By convention all processes which issue I/O messages are expected to lock the segment in memory before issuing the I/O message. The kernel will unlock the segment when the I/O is complete.

ALSO SEE

alockseg(a), lockid(a), ulockseg(a), ulockid(a)

DIAGNOSTICS

C returns -1 if:

1) segnum points to a null segment table entry

2) segnum points to an inactive segment.

Fault return with code 10, if *segnum* points beyond the end of the segment table.

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