Bell Telephone Laboratories, Incorporated   - 1 -   PA-1C600-01
PROGRAM APPLICATION INSTRUCTION   Section 17 (f)
Issue 1, 1 October 1977
AT&TCo SPCS

PLOCK (f)   PLOCK (f)

NAME

plock — lock process in memory

SYNOPSIS

(plock = 79.)
(lock flag in r0)
sys plock

plock (flag)

DESCRIPTION

Plock locks the current process in memory if the value of *flag* is non-zero and unlocks the current process if *flag* is zero. When a process is locked in memory, all segments belonging to the process are marked as non-swappable. These segments may be shifted in memory but will not be written back to secondary storage.

SEE ALSO

pswap(a), punswap(a).

DIAGNOSTICS

The error bit (c-bit) is set if less than 8K words of memory are available for swapping after locking all of a process's segments in memory. From C, a −1 value is returned on an error.