

ADDSEG (a)

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NAME

addseg – add a segment to the process address space

SYNOPSIS

(addseg = 4)
addseg (segnum)

DESCRIPTION

Addseg searches the process segment table and deactivates (and removes non-swap status from) any other segment which starts at the same virtual address as the entry indexed by *segnum*. If the new segment is in memory or if space for an uninitialized segment is available, the appropriate segmentation registers (as specified by the flags word of the segment table entry) are loaded. If the new segment is not in memory, the "need next" bit is set in the process segment table, the process status is set to "swap permitted, not ready to run", and control is transferred to the scheduler. When rescheduled non-swap status is re-instated .

ALSO SEE

rmoveg (a)

DIAGNOSTICS

C returns -1 if the *segnum* points to a null segment table entry. Fault return with code 10 if *segnum* exceeds the available number of segment table entries.