COPYSEG(a) COPYSEG(a)

NAME

copyseg – make a copy of a segment

SYNOPSIS

(copyseg =21.)

copyseg(segnum, &newid, msident)
int segnum; /* index into PCB segment table */
int *newid; /* address of new segment ID */
int msident;/* message identifier word */

DESCRIPTION

Copyseg makes a copy of the segment specified by *segnum* in memory if possible. If the in-core copy has been successful, a value of 1 is returned in C. If the in-core copy was not successful, but a copy had to be created in the swap area, a value of 0 is returned in C. In this case a message has been sent to the memory manager to make a copy. An acknowledgement message will be returned to this process upon completion of the copy with a message identifier word *msident.* This message should be waited for by the caller. In both cases the segment id of the new segment is returned in *newid.* This system function is typically used to make a copy of an existing process.

SEE ALSO

DIAGNOSTICS

If the segment to be copied does not exist or if space could not be allocated for the new segment, a –1 is returned from C.