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Package of Subroutines for Users of BOS with Fixed Pointers

The following subroutines are available :

JBCRX : set max. length of array IDATA in /CDATA/
JBCBN : create name of BOS-bank with corresponding fixed pointer
JBCRE : create BOS-bank
JBCR0 : create BOS-bank and initialize it to zero
JBCRA : create BOS-bank and fill it with data
JBDLS : delete single bank
JBDLM : delete all banks of given name
JBL0C : locate bank of given name (and number)

JBCRX : Initialization must be done by the

CALL JBCRX(NWMAX)

NWMAX = length of array IDATA

JBCBN : In addition to the general set of authorized bank names the user can specify up to 3 additional bank names corresponding to the pointers IDATA (100) to IDATA (104) by the

CALL JBCBN (NA, IPNAME)

NA = name of the bank

IPNAME = 100 ... 104 : fixed pointer

If IPNAME < 100 : IPNAME = 100 assumed

If IPNAME > 104 : IPNAME = 104 assumed

This routine should be called in the initialization step of the users program. A second call with the same IPNAME will overwrite the previous setting.

JBCRE : The creation of a BOS-bank can be done by the

CALL JBCRE (IND, NA, NR, NW, IERR)

NA = name of the bank

NR = number of the bank

NW = length of the bank (4 byte words)

IND = pointer to first data word -1

IERR = 0 if the bank has been created successfully
= 1 if bank with same name and number already existing
= 2 if no more space available
= 3 if name of the bank is unknown

JBCR0 : The creation of a bank that is initialized to zero can be done by the

CALL JBCR0 (IND, NA, NR, NW, IERR)

JBCRA : The creation of a bank that is filled from the array AR can be done by the

CALL JBCRA (IND, NA, NR, NW, IERR, AR(1))

JBDLS : A single bank can be deleted by the

CALL JBDLS (NA, NR, IERR)

IERR = 0 if bank has been deleted

= 1 if bank of the requested number does not exist

= 3 if NA is an unknown bank name

The bank will be deleted and all pointers readjusted.

JBDLM : All banks of a name NA can be deleted by the

CALL JBDLM (NA, IERR)

IERR = 0 if banks have been deleted

= 3 if NA is an unknown name

JBLOC : The pointer to a selected bank of name NA and number NR can be obtained by the

CALL JBLOC (IND, NA, NR)

IND = pointer to selected bank (=0 if not existing)

This routine does not check if the requested name is an authorized one.

Up to now the following banks are authorized ones :

Bank Name	Pointer Array	Address in IDATA
TRIG	55	
SCAL	56	
LATC	57	
ATST	58	
ATOF	59	
ALGL	60	
JETC	61	
CONC	62	
MUEV	63	
	64	
	65	
	66	
	67	
	68	
JHTL	69	
PATR	70	
ZVTX	71	
LGCL	72	
MUR1	73	
MUR2	74	
ALGN	75	
TAGG	76	
	77	
	78	
	79	
	80	

