

IX.3.3B-SYSTEM-CSRSET,CSAVE,CRETRV SUBROUTINES CSRSET, CSAVE AND CRETRV

Description

Subroutine CSRSET sets the information needed by subroutines CSAVE and CRETRV to sort the carryover array.

Subroutine CSAVE saves a carryover array to the work array.

Subroutine CRETRV retrieves a carryover array from the work array.

Subroutine CSRSET must be called before CRETRV or CSAVE are called.

Calling Sequence

CALL CSRSET (C,NC,ISLOT,NSAVE,NARRAYS,
A1,LA1,A2,LA2,A3,LA3,A4,LA4,A5,LA5,
A6,LA6,A7,LA7,A8,LA8,A9,LA9,A10,LA10,IER)

CALL CSAVE (C,NC,ISLOT,NSAVE,NARRAYS,
A1,LA1,A2,LA2,A3,LA3,A4,LA4,A5,LA5,
A6,LA6,A7,LA7,A8,LA8,A9,LA9,A10,LA10,IER)

CALL CRETRV (C,NC,ISLOT,NSAVE,NARRAYS,
A1,LA1,A2,LA2,A3,LA3,A4,LA4,A5,LA5,
A6,LA6,A7,LA7,A8,LA8,A9,LA9,A10,LA10,IER)

Argument List

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
C	Input (CSAVE) Output (CRETRV)	R*4	NC	Carryover array; not used in CSRSET
NC	Input	I*4	1	Length of C array; must have the same value in all calls to CSAVE and CRETRV as it has in the initial call to CSRSET
ISLOT	Input	I*4	1	Slot number to save (CSAVE) C array to or get (CRETRV) C array from; must have value from 1 to NSAVE; not used in CSRSET
NSAVE	Input	I*4	1	Number of slots to be used; must have the same value in all calls to CSAVE and CRETRV as it had in the initial call to CSRSET

<u>Argument</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
NARRAYS	Output	I*4	1	Number of working storage arrays
An	Input	R*4	LAn	Work arrays used to save C arrays; the calling sequence must be identical to CSRSET, CSAVE and CRETRV; n=1...10
LAn	Input	I*4	1	Length of the arrays An; n=1...10
IER	Output	I*4	1	Error indicator: 0 = normal return 1 = error encountered