

SUBROUTINE OSLCIN

Description

This subroutine fills in the A and OA arrays with OPT3 information for the API-SLC operation. A check is made of all card input, and the input is printed for user verification. If there are any problems, the user is notified with either a warning or error message. If an error is encountered, the program terminates.

Calling Sequence

CALL OSLCIN (OPID, NUMOP, OPNEW, PARM, DELTA, CHECKL, CHECKU, NOTHER, OA, MOA, P, MP, A, MA, NPARM, IU, LEFTOA, IERO)

Argument List

<u>Variable</u>	<u>Input/ Output</u>	<u>Type</u>	<u>Dimension</u>	<u>Description</u>
OPID	Input	R	2	8-character identifier for the operation
NUMOP	Input	I	1	Operation identification number
OPNEW	Input	R	2	8-character user-supplied name for the operation (same as in MCP3 input)
PARM	Input	R	2	8-character identifier for the parameter
DELTA	Input	R	1	Specified parameter increment
CHECKL	Input	R	1	Lower constraint on parameter
CHECKU	Input	R	1	Upper constraint on parameter
NOTHER	Input	I	1	Number of other operations to have ratio or difference maintained for the parameter being optimized.
OA	Both	R	MOA	The entire OA array. Contains the information for each of the parameters to be optimized.
MOA	Input	I	1	Dimension of the OA array
P	Input	R	MP	The entire P array
MP	Input	I	1	The dimension of the P array
A	Both	R	MA	The array containing the initial values of the parameters to be optimized. This array is updated no more than MAXN times.
MA	Input	I	1	Dimension of the A array
NPARM	Both	I	1	Number of the parameter being read into the OA array (in order entered). Must be between 1-16.
IU	Both	I	1	Space required in OA to store parameter information
LEFTOA	Both	I	1	Space remaining in the OA array
IERO	Both	I	1	Error flag. Message will be printed. 0 = no error 1 = error