SUBROUTINE OXININ

Description

This subroutine fills in the A and OA arrays with OPT3 information for the XIN-SMA operation and prints the input.

Calling Sequence

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

Argument List

Variable	Input/ Output	Type	Dimension	Description
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