SUBROUTINE SBMDRV

Description
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This routine is the driver routine for the algorithm to save the
appropriate MDR boxes for a particular basin.

Calling Sequence
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CALL SBMDRV (X,Y,NBPTS,MDR,MDRDIM,NMDR,IY,IXB,IXE,NSEGS,LFACTR,ISTAT)

Argument List
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Argument	Input/ Output	Type	Dimension	Description
X	I	R*4	NBPTS	Array of X coordinate basin boundary points
Y	I	R*4	NBPTS	Array of Y coordinate basin boundary points
NBPTS	I	I*4	1	Number of basin boundary points
MDR	O	I*4	MDRDIM	Array of MDR box numbers that cover defined basin
MDRDIM	I	I*4	1	Dimension of array MDR
NMDR	O	I*4	1	Number of MDR box numbers saved in MDR array
IY	I	I*4	NSEGS	Array of rows of grid points within defined basin
IXB	I	I*4	NSEGS	Array of columns of leftmost grid points within defined basin
IXE	I	I*4	NSEGS	Array of columns of rightmost grid points within defined basin
NSEGS	I	I*4	1	Number of values in arrays IY, IXB and IXE
LFACTR	I	I*4	1	Density factor for the grid point definition
ISTAT	O	I*4	1	Status code: 0 = okay 1 = error