Description

Subroutine F3WAYZ interpolates the Z value in a three-way relation
where the ordinate values (YY) and the parameter values (ZZ) are
single arrays and the abscissa values (XX) are in a double array.

Calling Sequence

CALL F3WAYZ (X,Y,Z,XX,YY,ZZ,NY,NZ,IBUG)

Argument List

Argument	Input/ Output	Type	Dimension	Description
X	Input	R*4	1	Known abscissa value
Y	Input	R*4	1	Known ordinate value
Z	Output	R*4	1	Unknown parameter value to be computed
XX	Input	R*4	NZ*NY	Double array of abscissa values with dimensions of (NZ,NY)
YY	Input	R*4	NY	Single array of ordinate values; YY values are the same for all parameter (ZZ) curves
ZZ	Input	R*4	NZ	Single array of parameter values; each ZZ curve is defined by the YY values and a set of XX values
NY	Input	I*4	1	Number of YY values
NZ	Input	I*4	1	Number of ZZ values
IBUG	Input	I*4	1	Debug indicator: 0 = no trace or debug 1 = trace only 2 = trace and debug