Description

Subroutine NTER26 interpolates between two points on a curve (or extrapolates beyond the last point) with either arithmetic or logarithmic interpolation. Subroutine TERP26 is called for arithmetic and subroutine FTERPL is called for logarithmic interpolation.

Calling Sequence

CALL NTER26 (X,Y,XA,YA,N,IFLAG,NTERP,IBUG)

Argument List

Argument	Input/Output	Type	Dimension	Description
X	Input	R*4	1	Independent variable (given value)
Y	Output	R*4	1	Dependent variable (interpolated or extrapolated value)
XA	Input	R*4	N	Array of X values on curve
YA	Input	R*4	N	Array of Y values on curve
N	Input	I*4	1	Number of pairs of XA and YA values
IFLAG	Output	I*4	1	X value indicator: 0 = within curve boundaries and Y is interpolated -1 = below curve boundary and Y is set to YA(1) 1 = above curve boundary and Y is extrapolated
NTERP	Input	I*4	1	Interpolation indicator: 0 = arithmetic 1 = logarithmic
IBUG	Input	I*4	1	Debug indicator: 0 = no trace or debug 1 = trace only 2 = trace and debug