Thresh2

A double threshold function. When you use this function, you define two threshold values, and enter these into the "d" and the "e" fields. It is not necessary to enter the thresholds in a particular order. To avoid confusion, however, we recommend that you let "d" be the smaller threshold and "e" be the larger threshold.

If the input value is greater than or equal to the larger threshold, the output value is equal to the "a" parameter. If the input value is less than the larger threshold and greater than or equal to the smaller threshold value, the output value is equal to the "b" parameter. If the input value is less than both the threshold values, the output value is equal to the "c" parameter.

Note that the "a" parameter does not need to be greater than the "b" or the "c" parameters. Moreover, the "b" parameter does not have to be greater than the "c" parameter.

Default parameter values:

a = 1, b = 0.5, c = 0, d = 0.5, e = 1

Example:

a = 10, b = 5, c = 0, d = 2, e = 8

Input = 1   =>   Output = 0

Input = 5   =>   Output = 5

Input = 9   =>   Output = 10