Output table

A screenshot of a computer program

Description automatically generated

Bitwave

A screen shot of a computer

Description automatically generated

Summary:

* @ reset everything goes to zero exception Data\_in, since Data\_in is coming from an external source
* when the filter is high perform the following
  + set buffer1 to store the Data\_in values
  + set buffer2 to interpolate (average) current Data\_in with buffer1
  + set Data\_out to be combination of buffer1 and buffer2
* when the filter is low or not active
  + set Data\_out to be the current value of buffer1
* The above logic shows that Data\_in is always filtered before getting to Data\_out. Data\_out only reads from buffer1 and buffer2