A diagram of a complex function

Description automatically generated

A diagram of a pipeline

Description automatically generated

Figures are taken from : <https://www.allaboutcircuits.com/technical-articles/pipelined-direct-form-fir-versus-the-transposed-structure/>

Transposed FIR filter’s architecture will look like Figure 9. Generics for that filter will be filter order, filter coefficients’ width, filter input’s width and filter output’s width for now. These are the very first impressions according to the project.

A screenshot of a computer

Description automatically generated

Source usage with 5 th order filter

A screenshot of a computer

Description automatically generated

Source usage with 60 th order filter

A screenshot of a white sheet with black numbers

Description automatically generated

Source usage with 5 th order filter after the last modifications

A screenshot of a white sheet with numbers

Description automatically generated

Source usage with 60 th order filter after the last modifications