Assignemnt 3 - Sound Synthesis

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This max patch connects to a wavetable synthesizer in Ableton Live using a virtual MIDI channel 'from Max 1'. The idea was to use a saw synth in a wavetable synthesizer to morph the wave with an FM synth with 2 simultaneous filters controlling the main wave and a sub wave simulataneously “dancing” between each other based on 2 LFOs. The FX in the chain is completed by a reverb and a delay.

Setup: select from Max 1 as noteout, ctlout source. In Live, make sure input MIDI channel is same.

Sliders:

1. Raw SAW: Browse through saw signals in wavetable and balance amplitude

2. FM woBBLE: Change FM synth tone, attack, release

3. Filter dance: Change 2 filter frequencies and resonances controlling main synth and sub sound

4. Rhythm: Triggers LFO amounts to make rhythmic synthesis between oscillator and sub filters

5. Delay Me: Simple 2 channel ping pong delay on the output of the synthesis.

URL: https://drive.google.com/open?id=15LV4WsL\_rrC5TAcTJryn9oA2K6rrtOOn