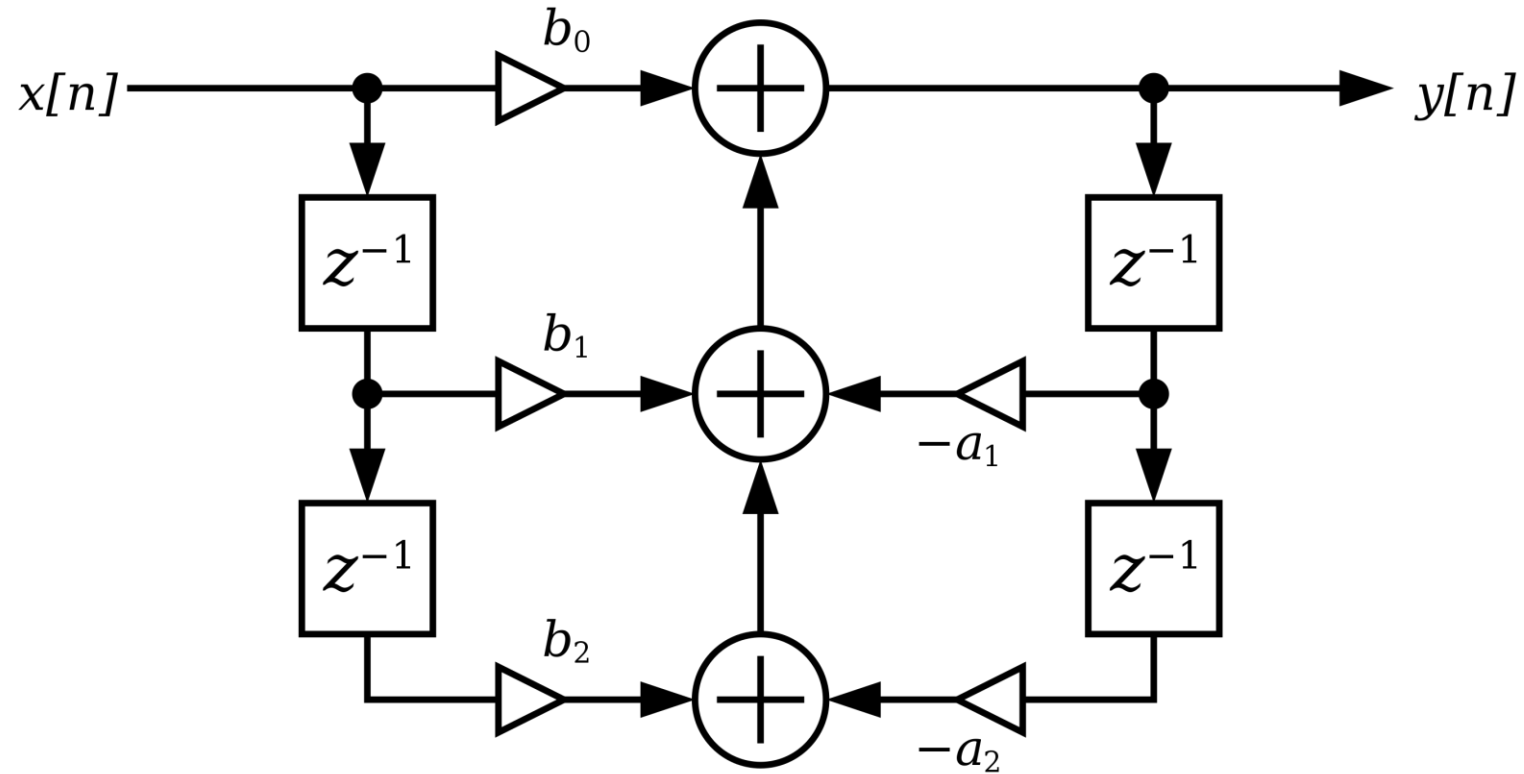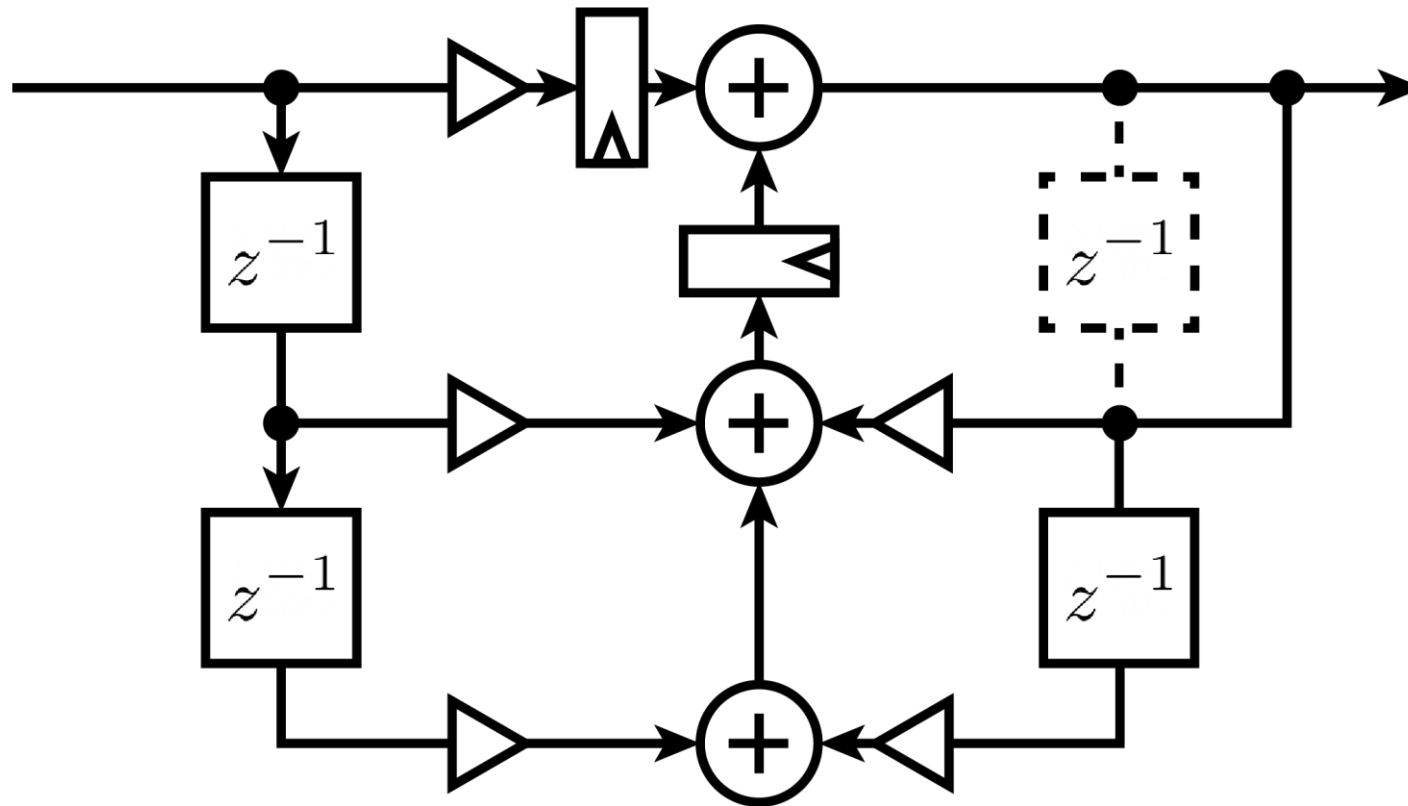# Discussion Section 13

Sean Huang
April 30, 2021
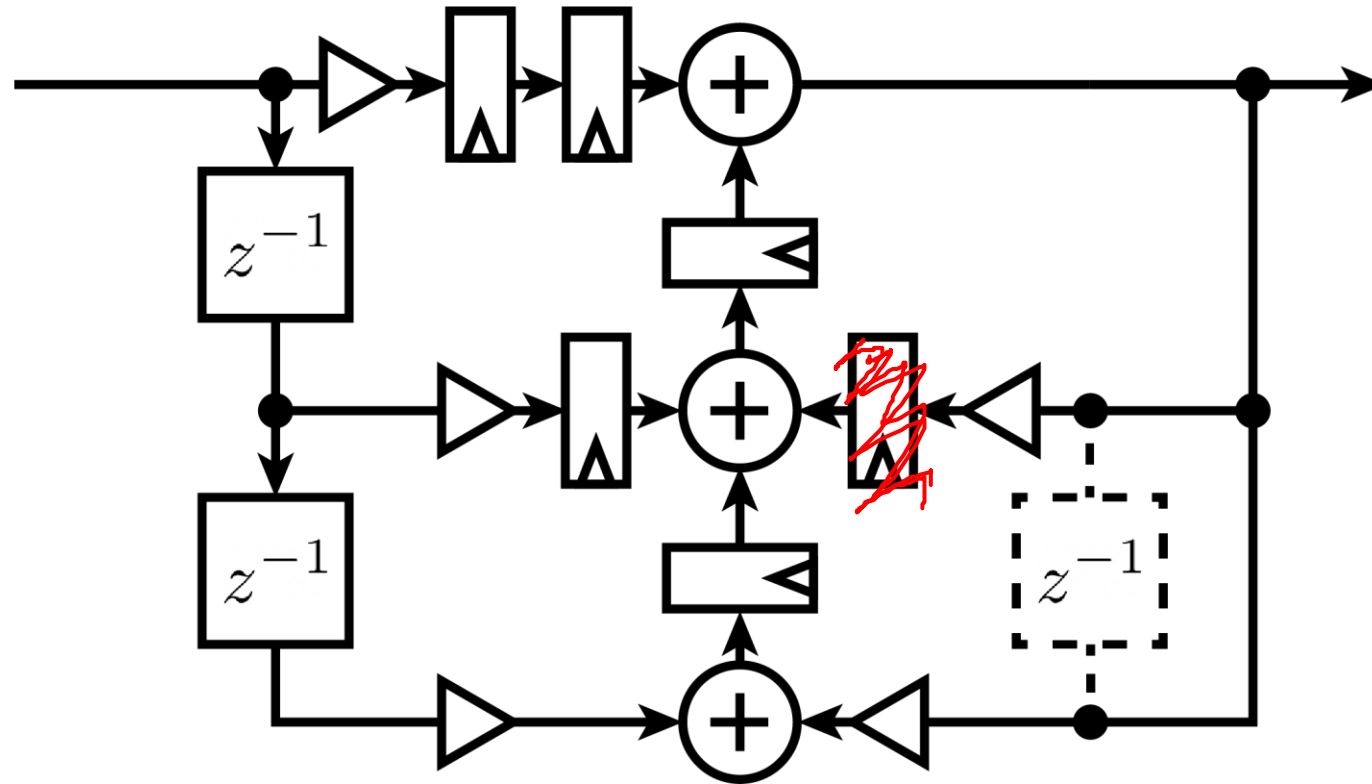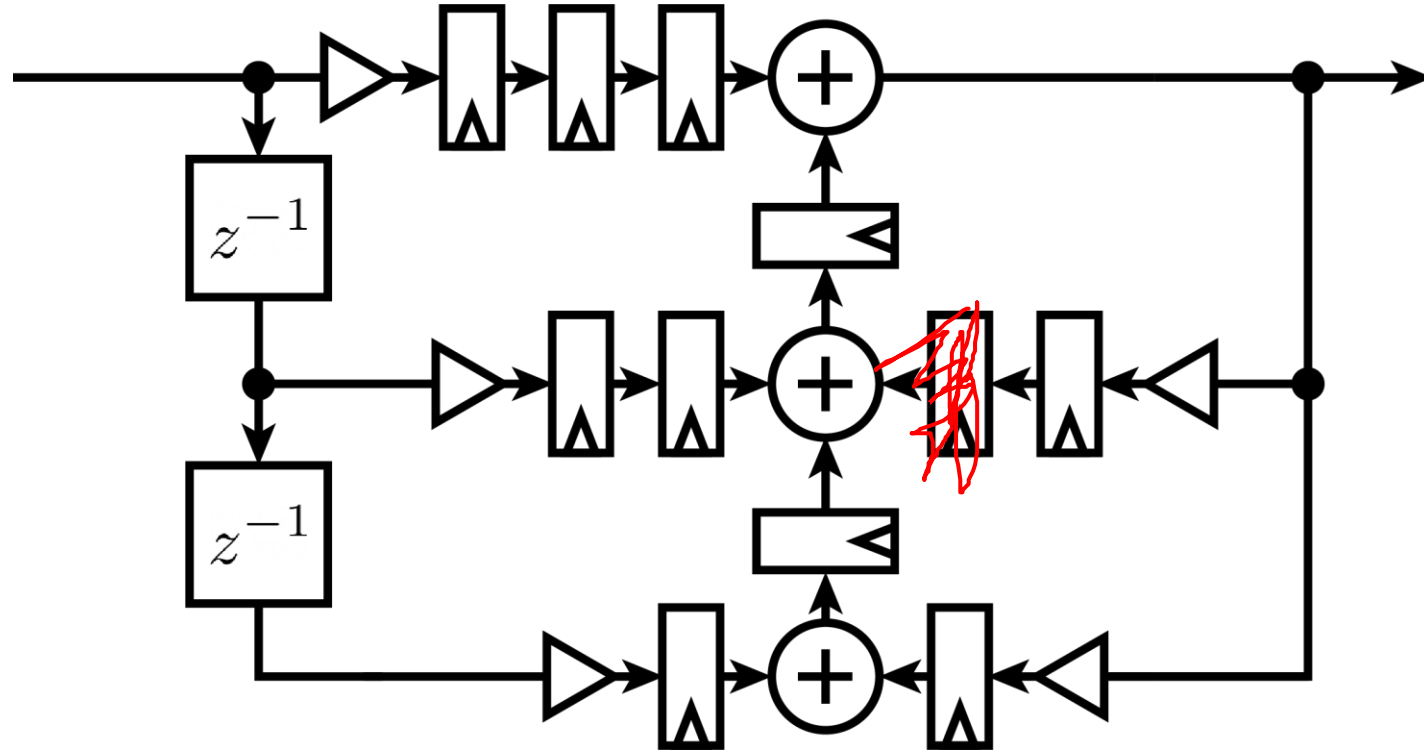
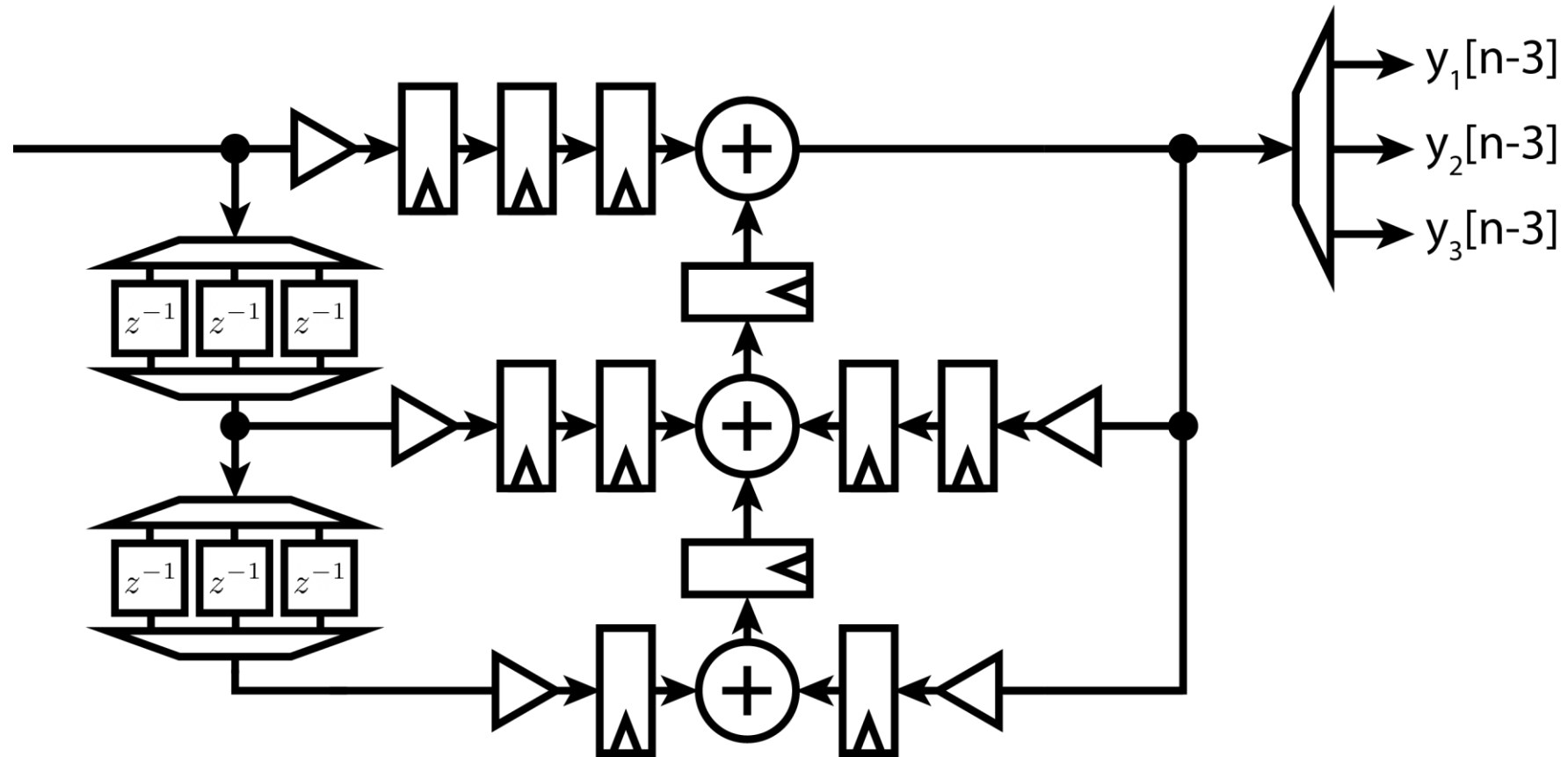# C-Slowing the Digital Biquad Filter

C-Slowing the Digital Biquad Filter

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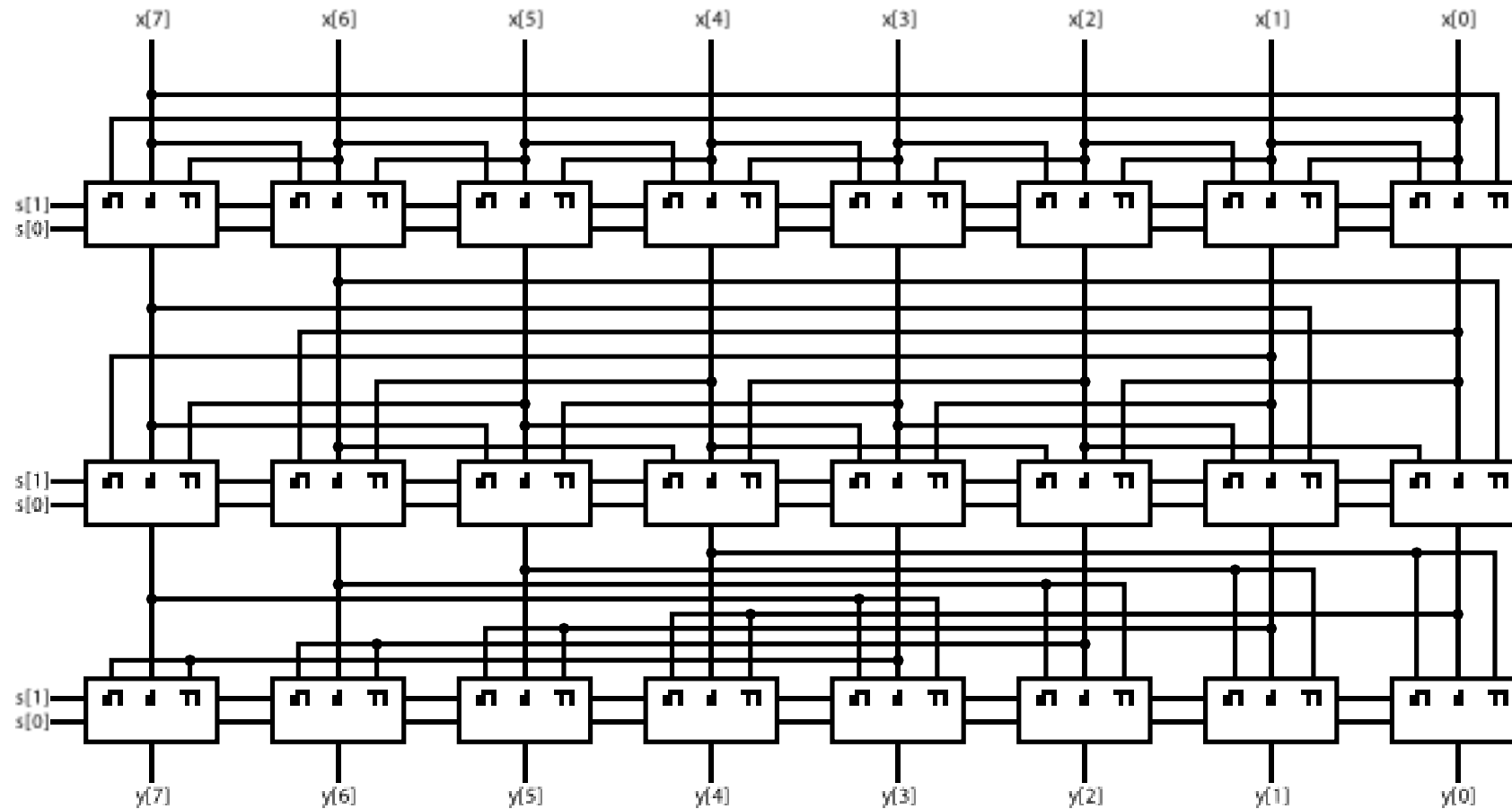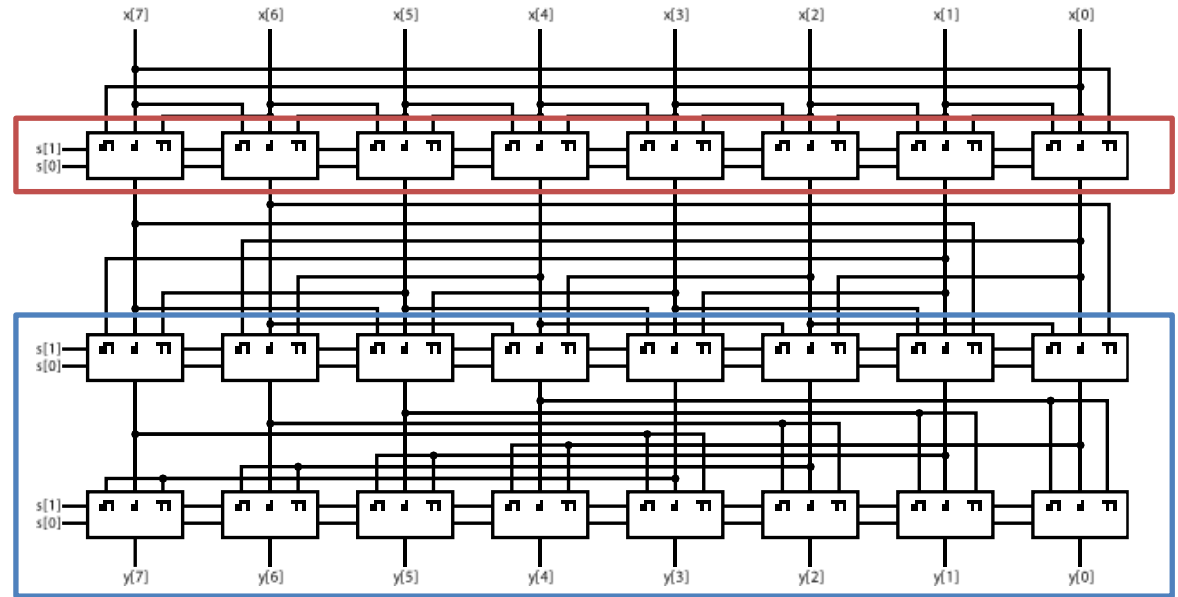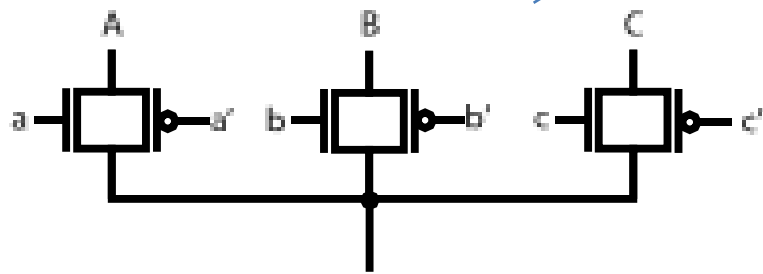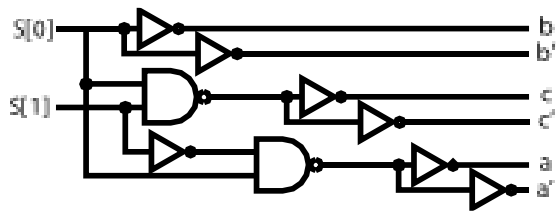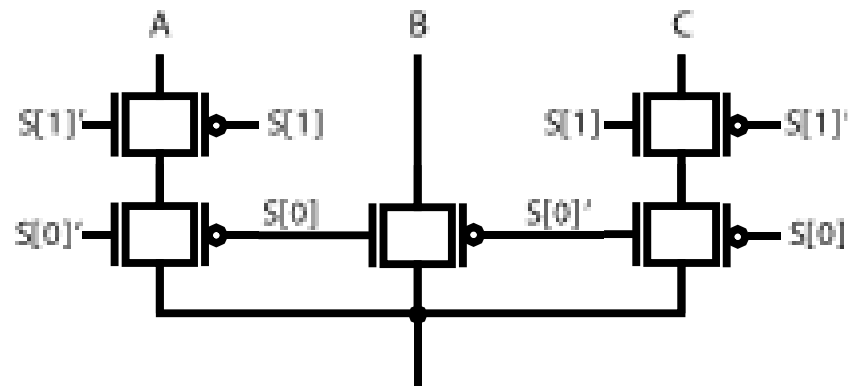# C-Slowing the Digital Biquad Filter

Logarithmic Shifter

Logarithmic Shifter

Timing and Hold Time Violations

- Metastability
  - DFF can store a value in between 0 and 1
- Failure to hold
  - DFF output updates too early
- Race condition
  - One path faster than another