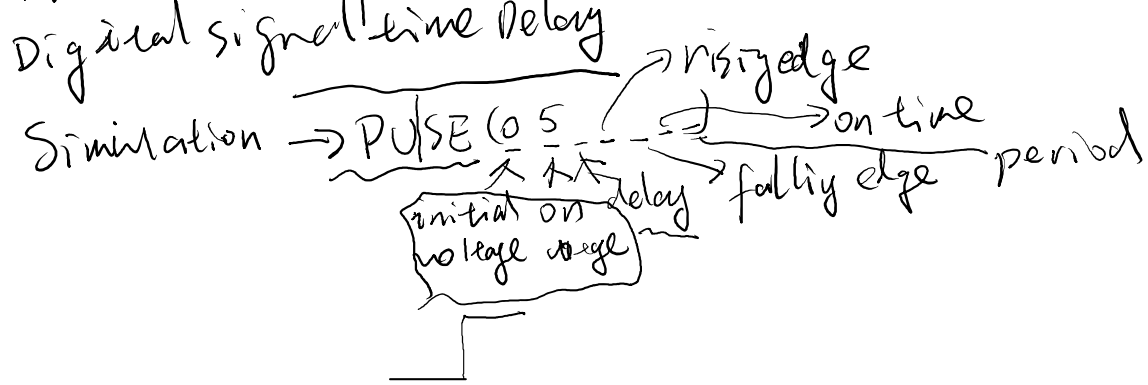
Fall 2025 Midterm Review

Saturday, February 15, 2025 8:05 PM

Quizzes 1 – 8
HW 1 – 3
lecture videos / notes

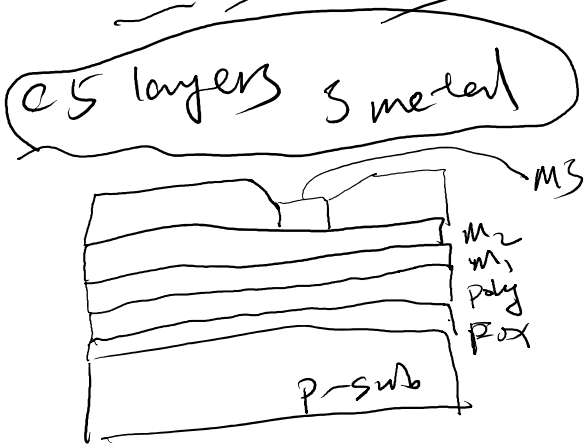
8 problems 55/8 7min 2min
No cheat sheet is allowed
close book close notes
calculator is allowed

Thevenin's equivalent
Digital signal time Delay

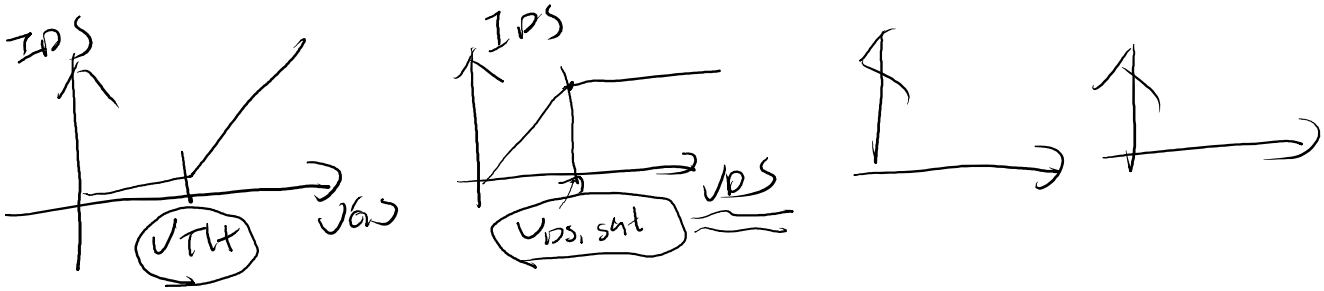


R-2R DAC

Vout From digital input
Derivation not required
101 110 Vout



IV curves of NMOS and PMOS



Diodes, PN Junctions, depletion region

Junction Capacitance. Diode Clamping Circuit

AOI logic, schematic, stick diagrams

lecture notes, quizzes, HW

N-well resistors, time delay, sheet resistance

Apc resolution, inverters (notes regarding switching point)