

# Lecture 26

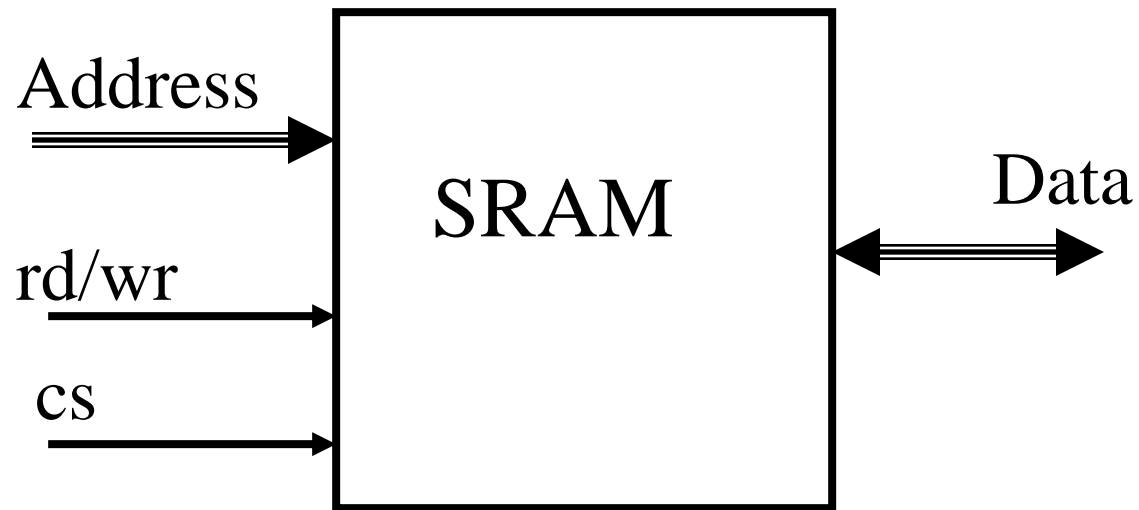
## Designing with Memories

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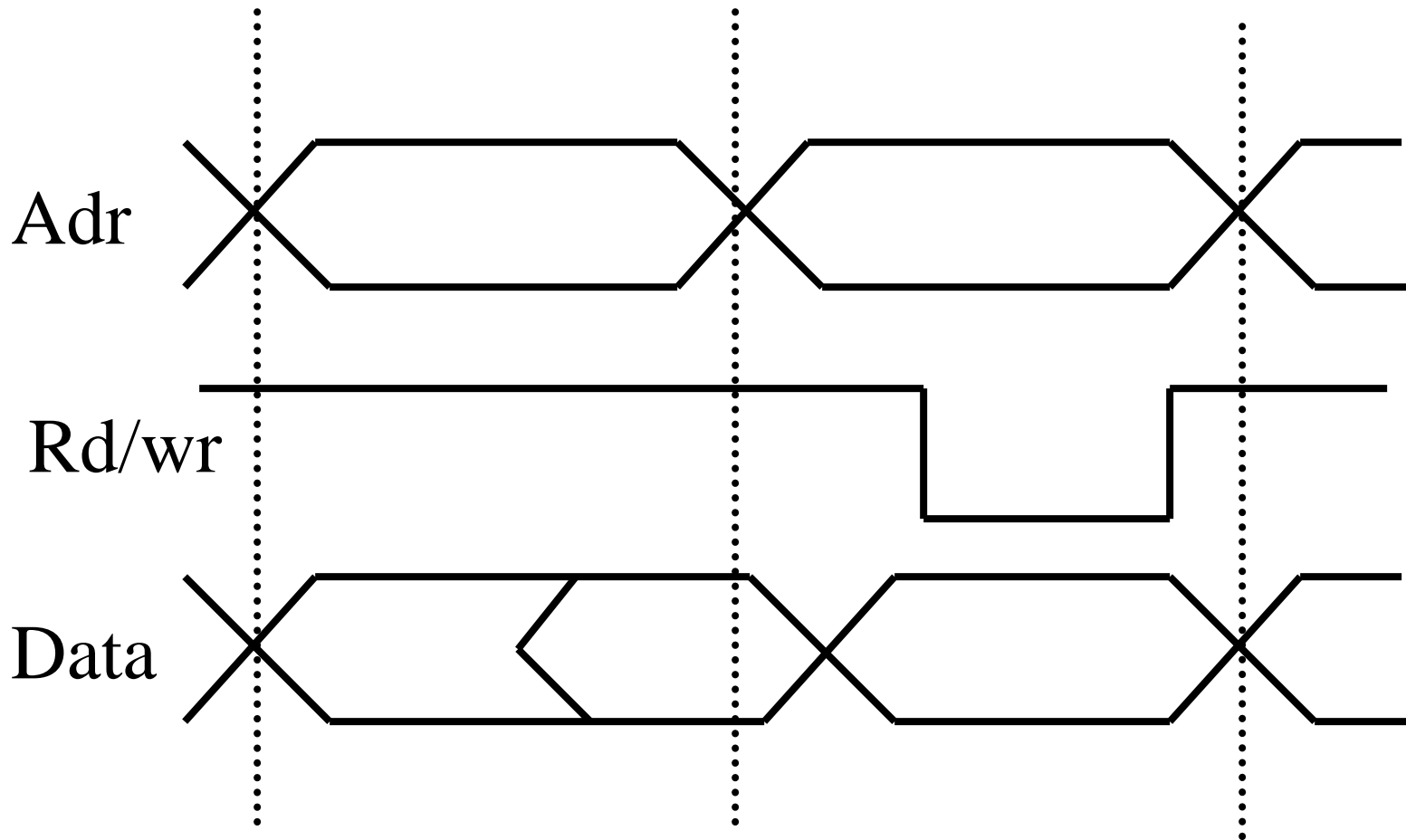
# Classification of Memory Devices

- ROM
  - ROM, PROM, EPROM, EEPROM, UVPROM
- RAM
  - SRAM (Static RAM)
  - DRAM (Dynamic RAM)
- Flash memory (Flash ROM)

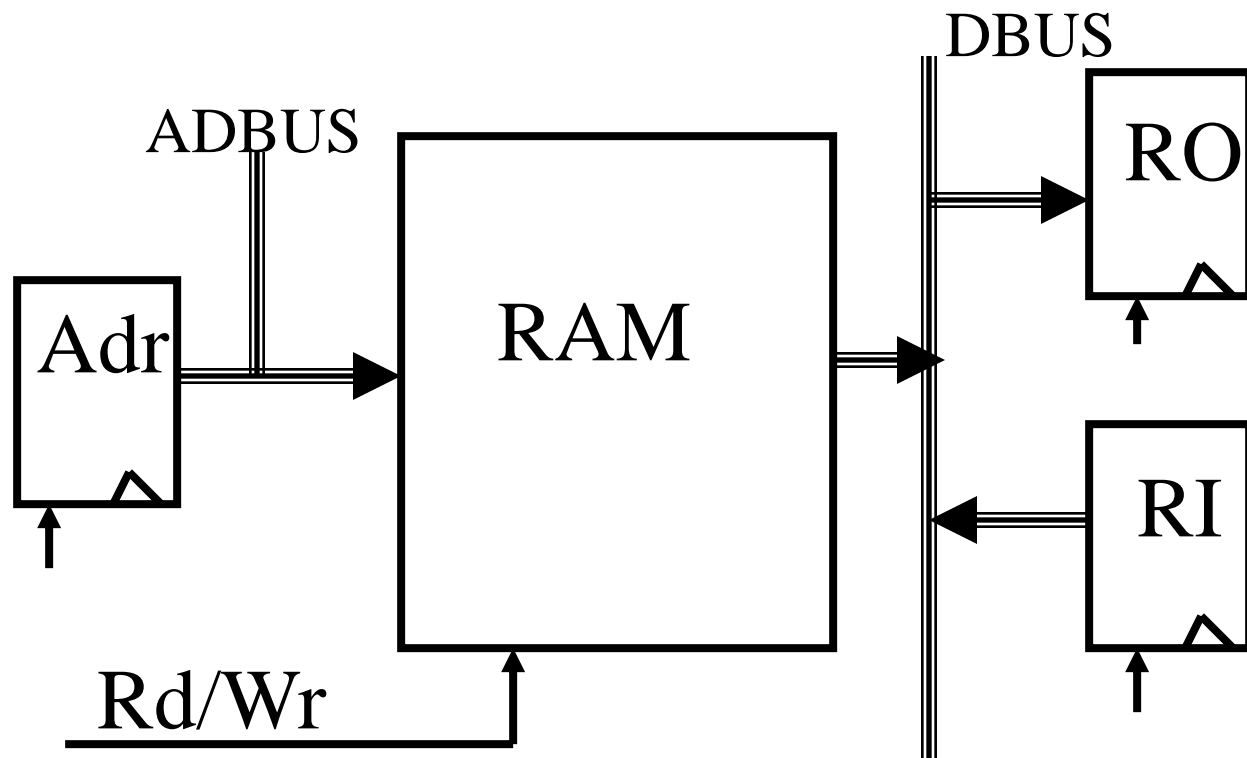
# SRAM Device Signals



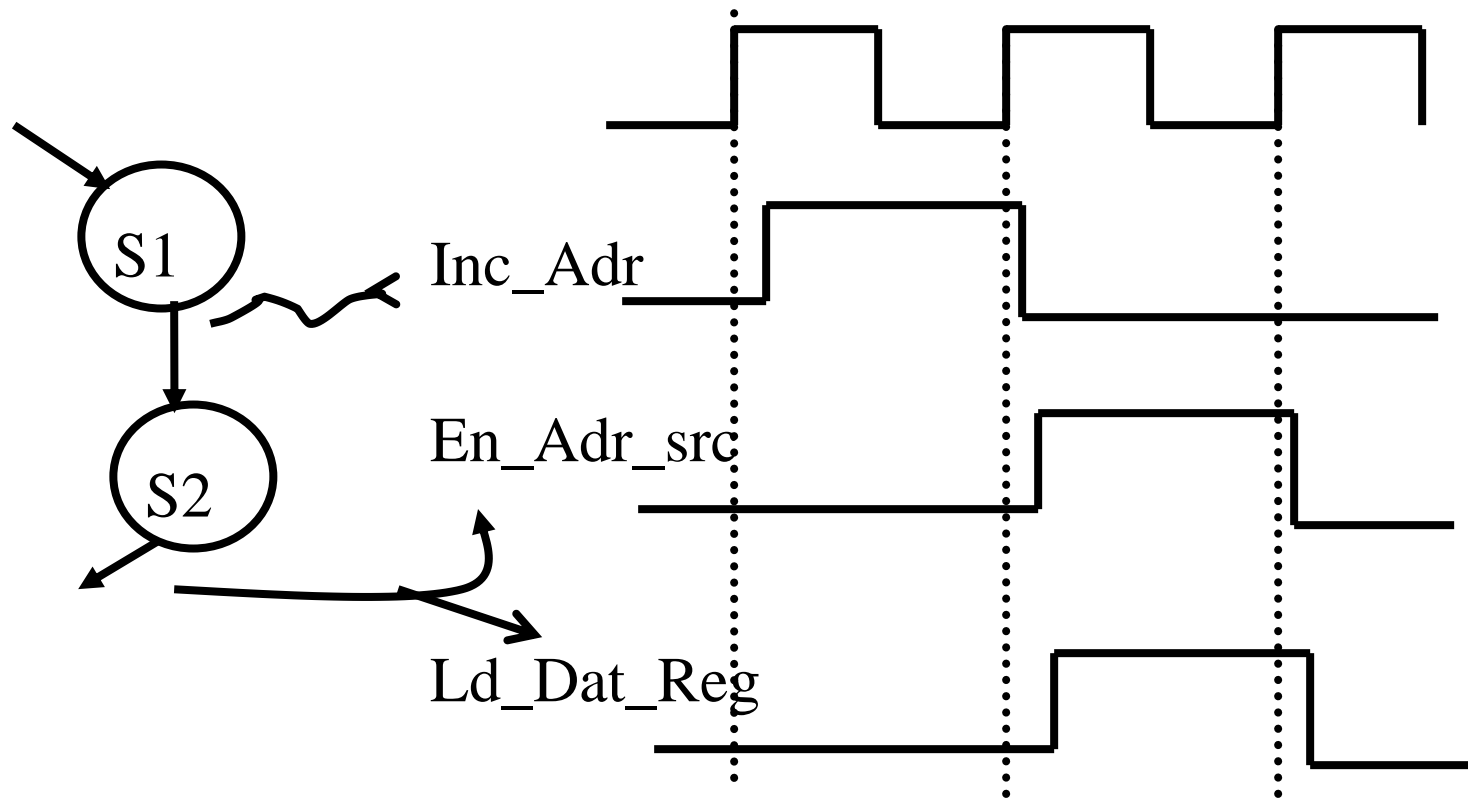
# SRAM Timing



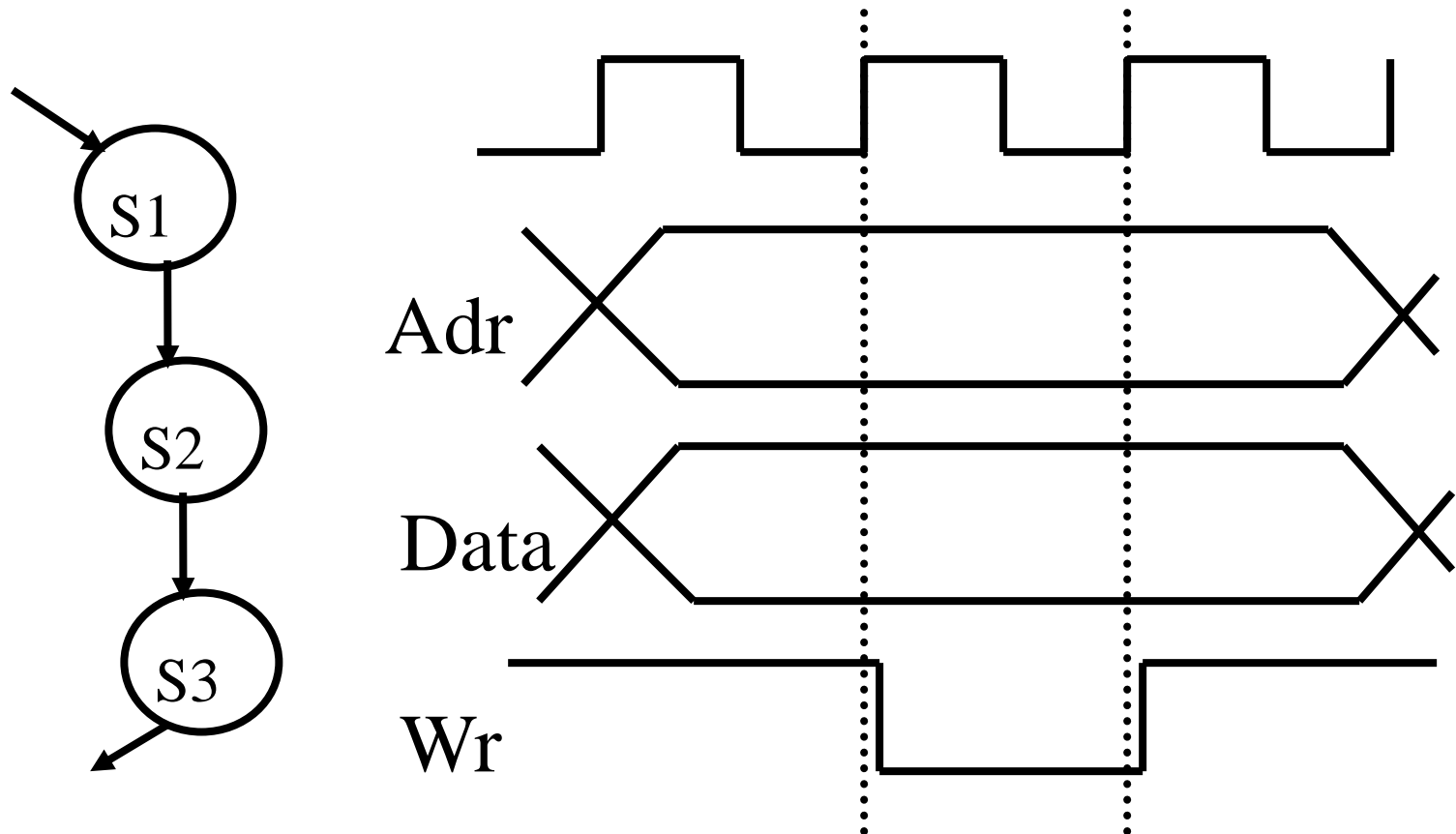
# Circuit Example using Memory

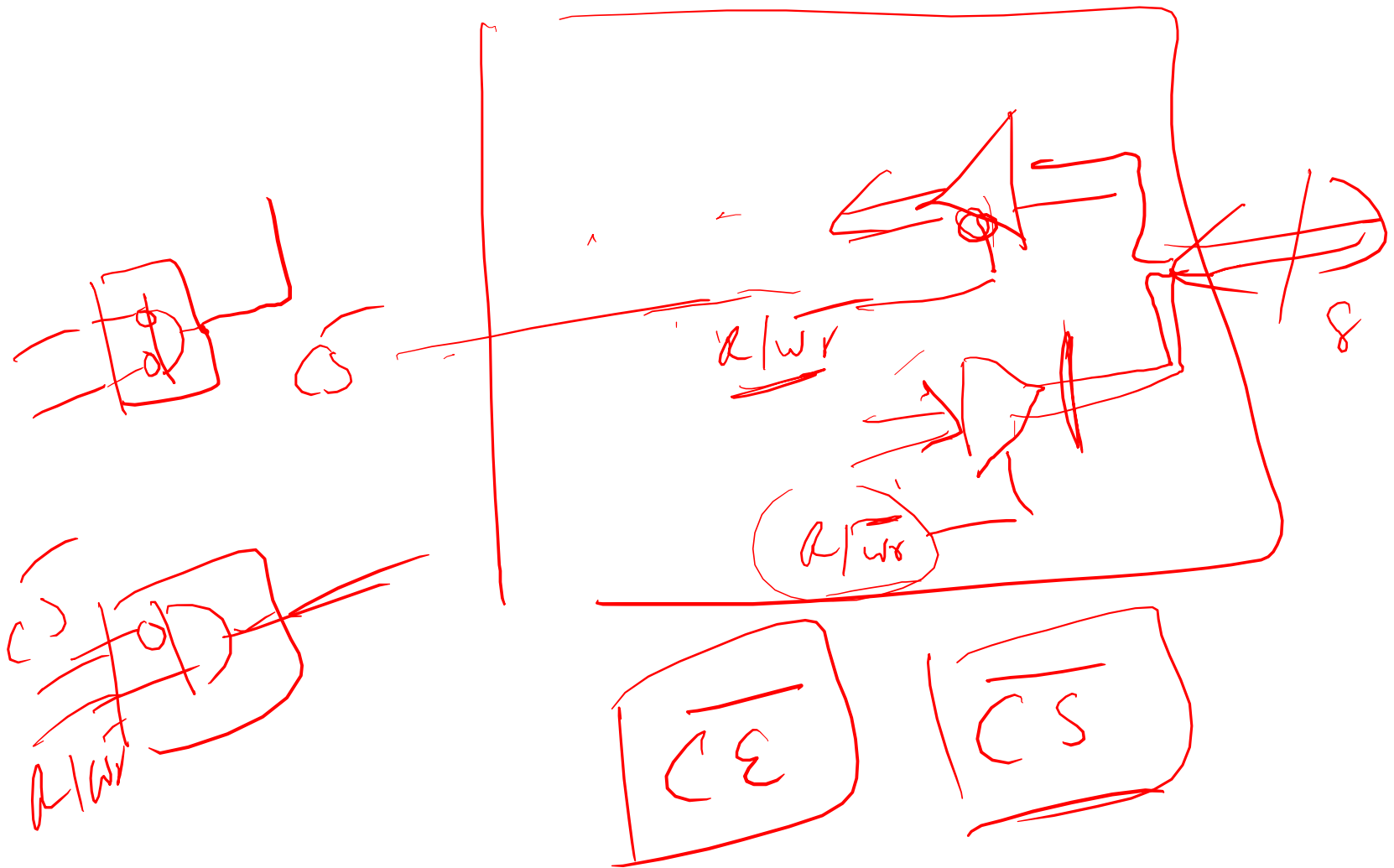


# Reading Memory in a SM

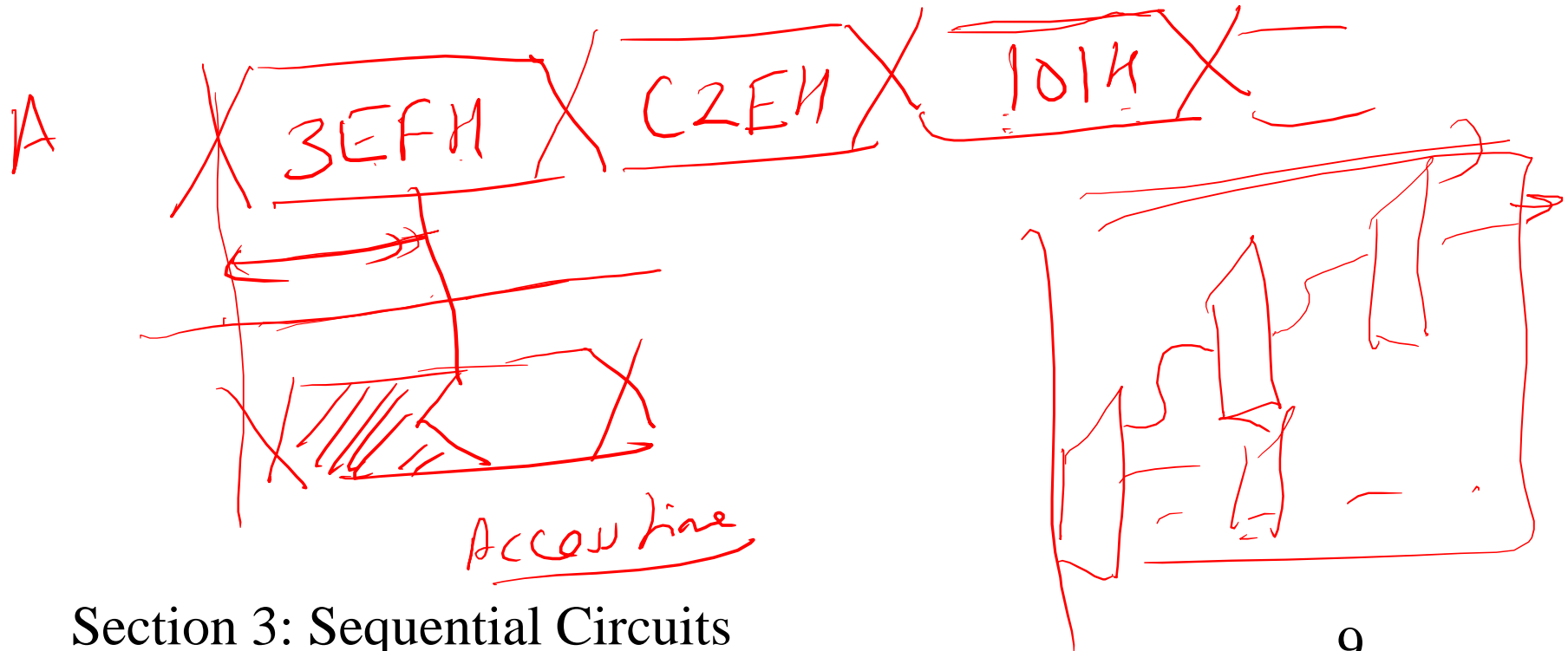
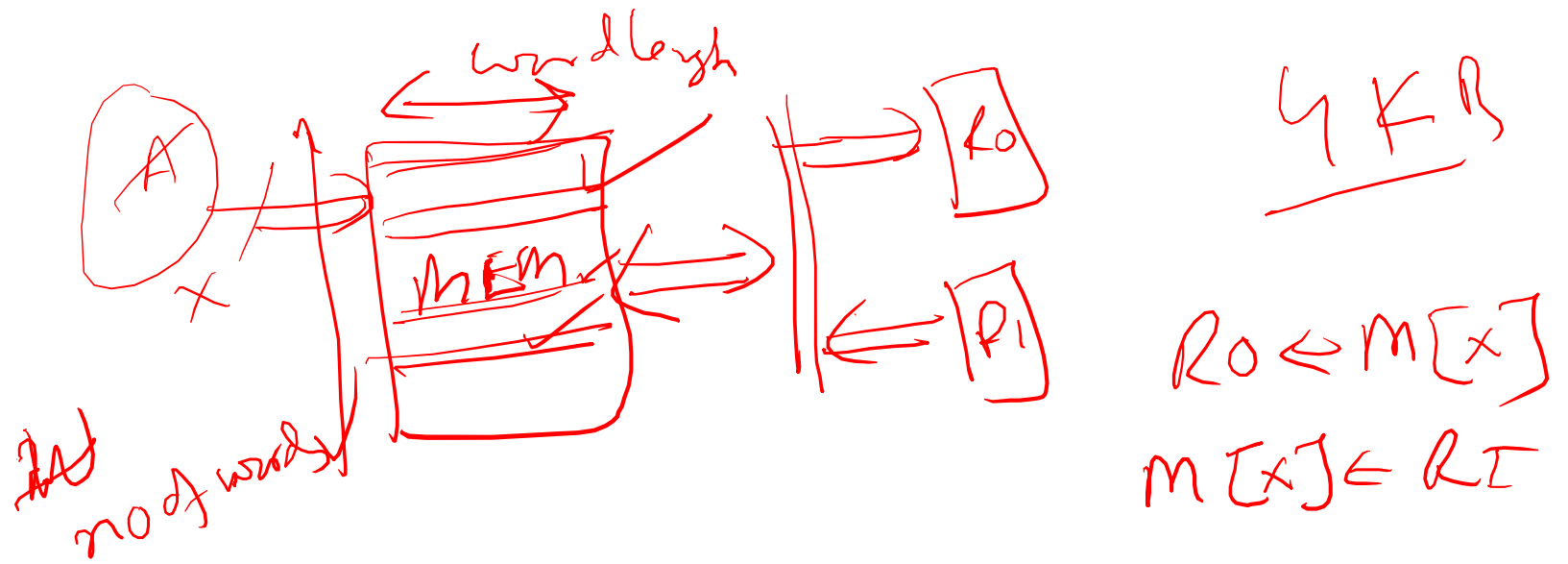


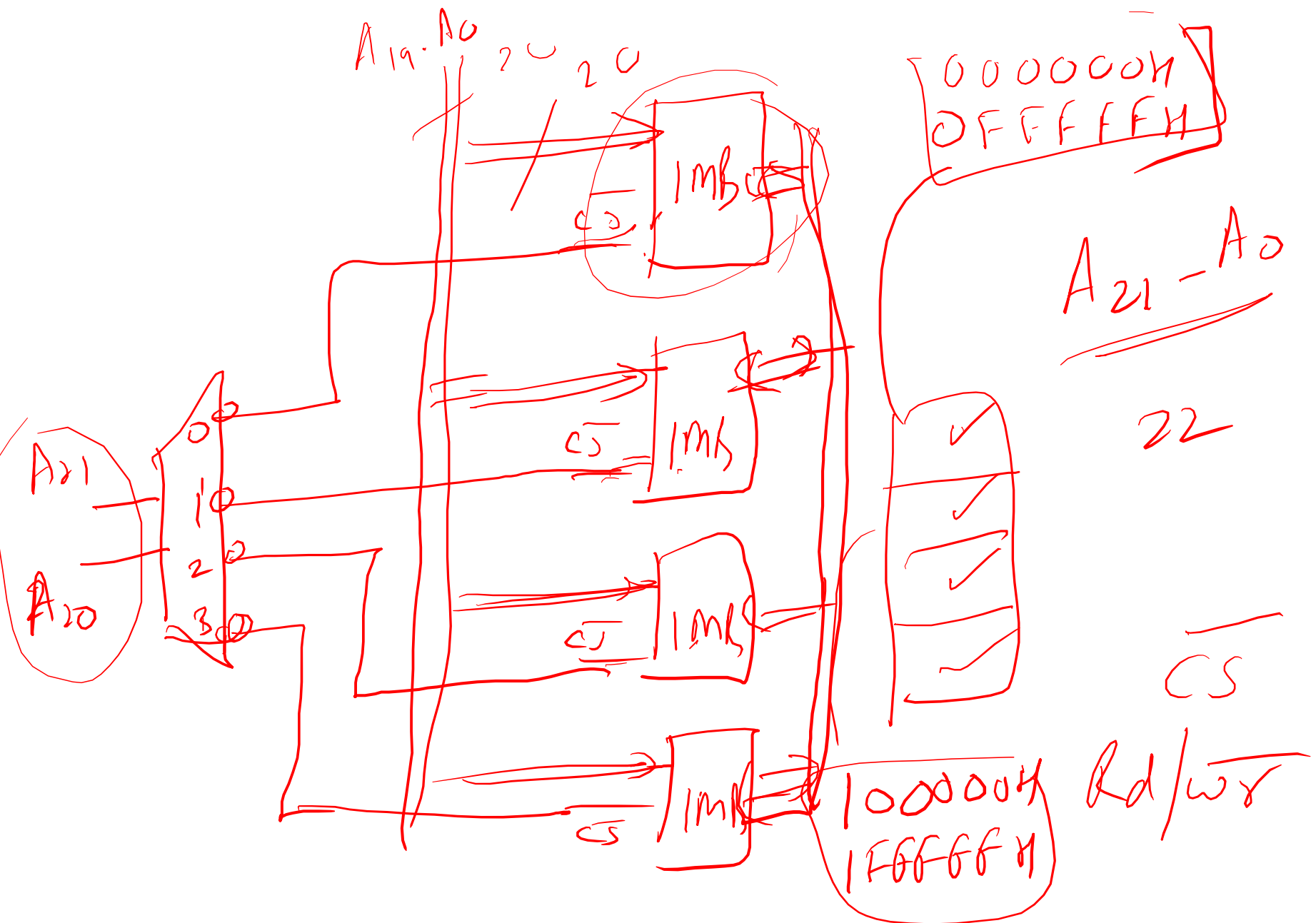
# Writing Memory in a SM



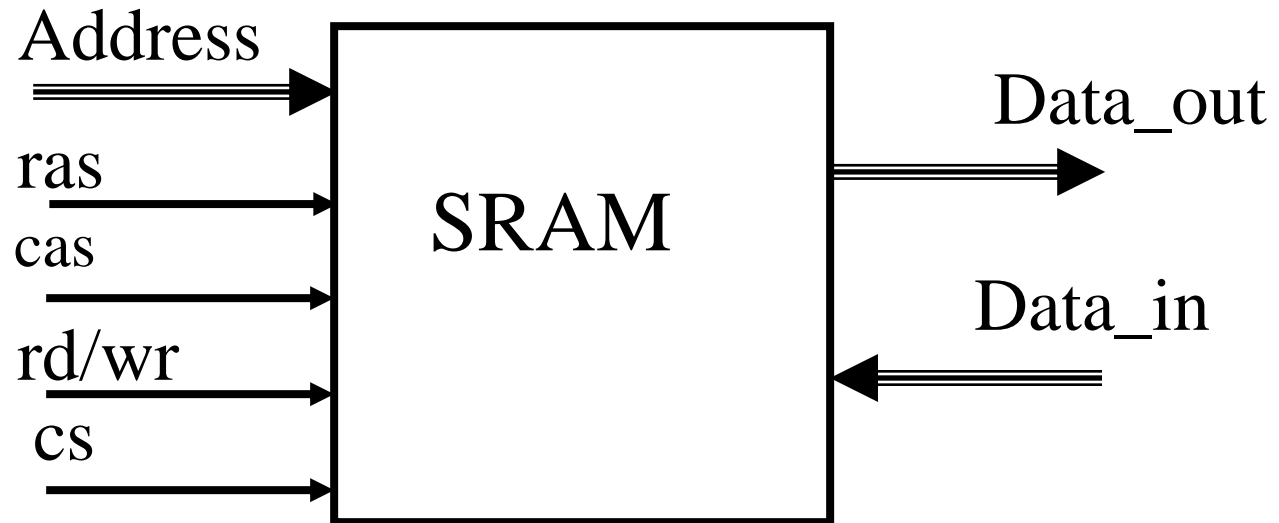








# Dynamic RAM Device Signals



# DRAM Timing

