Lecture 24

◆ Logistics
  - HW9 is due Friday
  - All lab must be done by 6/5 Thu 6pm.
  - Final Exam: 6/9 Monday 8:30am EEB105 (here!)
  - Review Friday lecture + Saturday 11:30am?? CSE 403

◆ Last lecture
  - Wrapped up all topics for CSE370

◆ Today:
  - One last clarification
  - Start of review (the focus items)
  - Yoky research
  - Evaluation?

\[
\begin{align*}
D_0 &= Q_0 N' \\
D_1 &= Q_0 EN + Q_1 N' \\
D_2 &= Q_1 EN + Q_2 N' \\
D_3 &= Q_2 EN + Q_3 \\
\end{align*}
\]

- \text{Preset}_0 = \text{start}
- \text{Preset}_{1,2,3} = 1
- \text{Clear}_0 = (\text{start}' E' N)
- \text{Clear}_{1,2,3} = (\text{start} + E'N)
What was covered after midterm 2

- Finite state machines
  - FSM design procedure
    1. State diagram
    2. state-transition table
    3. State minimization
    4. State encoding
    5. Next-state logic minimization
    6. Implement the design
  - State minimization
  - One-hot / output-oriented encoding
  - FSM design guidelines
    - Separate datapath and control
  - Pipelining, retiming partitioning basics