Sequential Systems

- A combinational system is a system whose outputs depends only upon its current inputs.
- A sequential system is a system whose outputs depends on the current inputs and the system's current state.
- All systems we have looked at to date have been combinational systems.

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Terminology

- A *bistable memory device* is the generic term for the elements we are studying
- Can use the term latch or flip-flop to refer to these devices
 - latch: bistable memory device with level sensitive triggering (no clock)
 - flip-flop: bistable memory device with edgetriggering (with clock)
- Warning: Your author (Roth) uses the terminology Flip-Flop and Clocked Flip-Flop instead of latch and Flip-Flop
 - latch, flip-flop more standard

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