LogicWorks Tutorial

1. DEMO of PROM/RAM
2. HOWTO: Building a PROM
3. HOWTO: Building a RAM
4. Clock
5. Register

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1. DEMO of PROGRAM
2. HOWTO: Building a PROM

- Click on the button!
2. HOWTO: Building a PROM

- Select a desired device.
2. HOWTO: Building a PROM

- 8bit instruction: therefore select 8bits per word
- 8bit processor: address lines should have 8bits as well.

- You can choose a method to program your PROM.
3. HOWTO: Building a RAM

- 8bit processor: address lines should have 8bits as well.
- One word is 8bit.
- HIT NEXT!
3. HOWTO: Building a RAM

- Click on New Lib.. To create a new library or Click on Open Lib.. To use the existing library.
- Enter a name for the new part
- Click Finish when you are done.
4. CLOCK

- Right Clock on the clock and select attribute
4. CLOCK

CLOCK STAYS LOW for 10 time unit

CLOCK STAYS HIGH for 10 time unit
4. CLOCK

- Why is this important?
5. Register

- Edge-triggered register!!