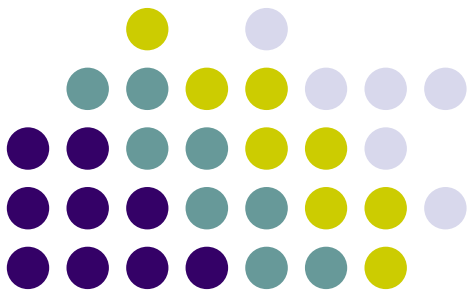


LogicWorks Tutorial

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

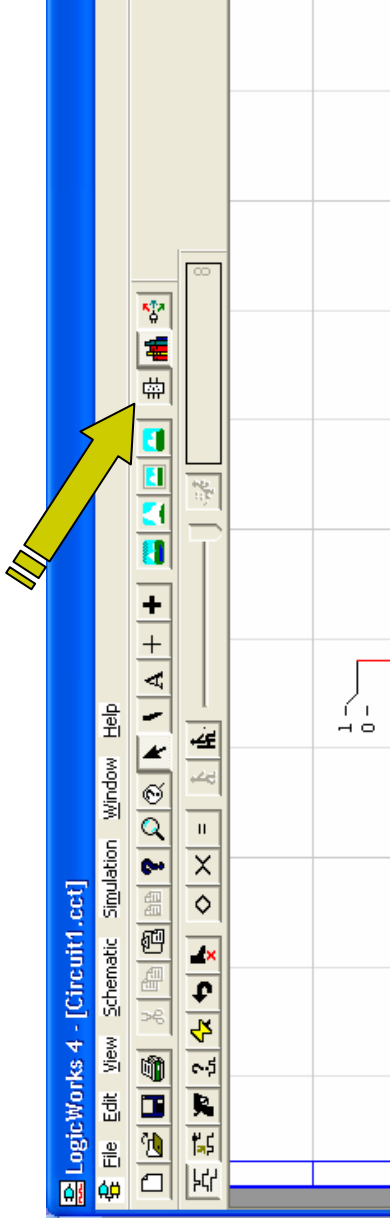


1. DEMO of PROGRAM



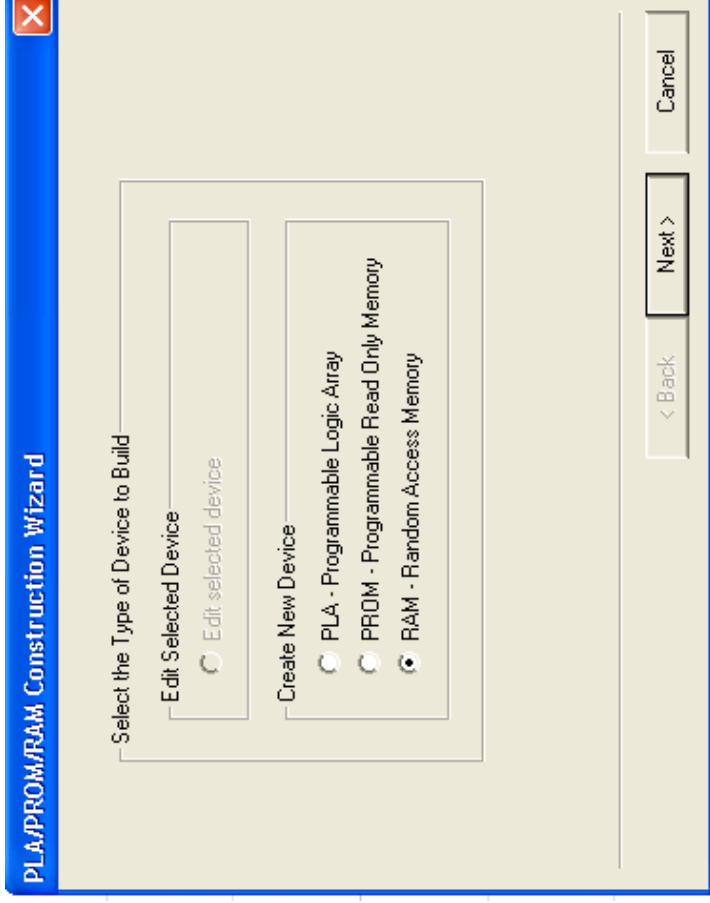
2. HOWTO: Building a PROM

- Click on the button!



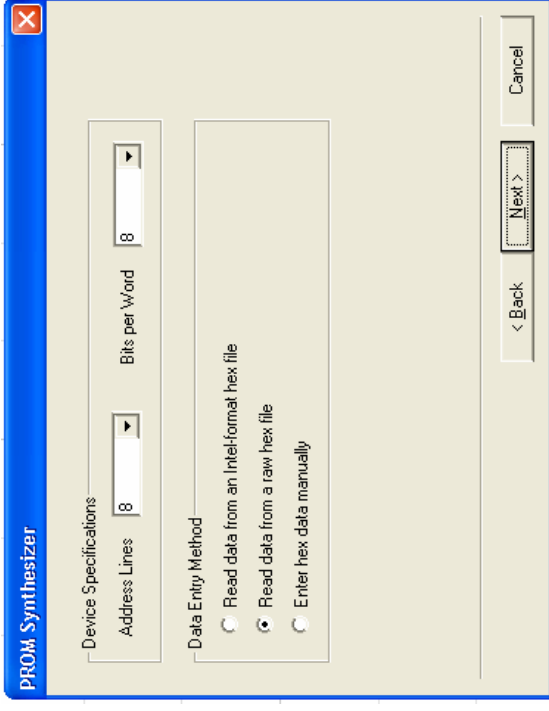
2. HOWTO: Building a PROM

- Select a desired device.



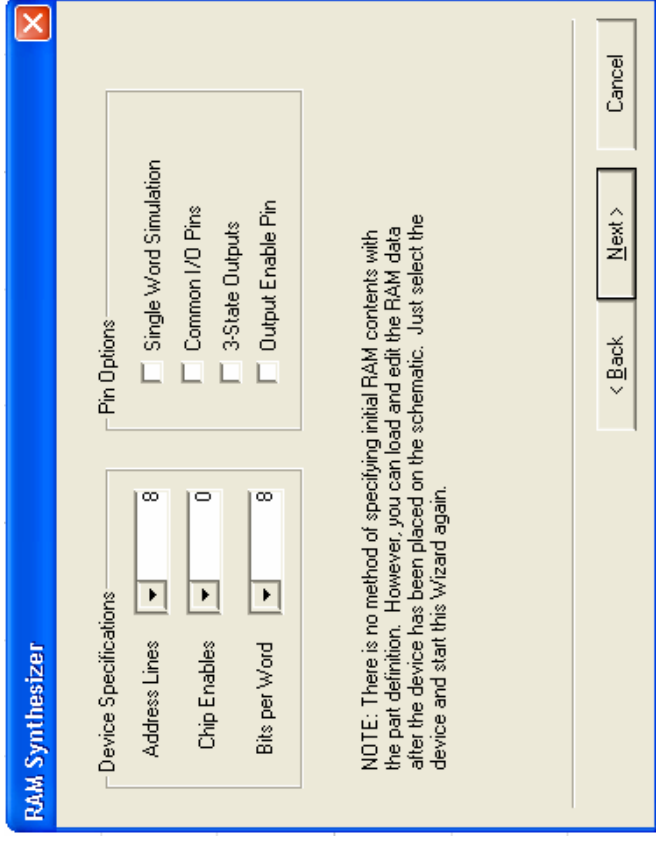
2. HOWTO: Building a PROM

- 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.



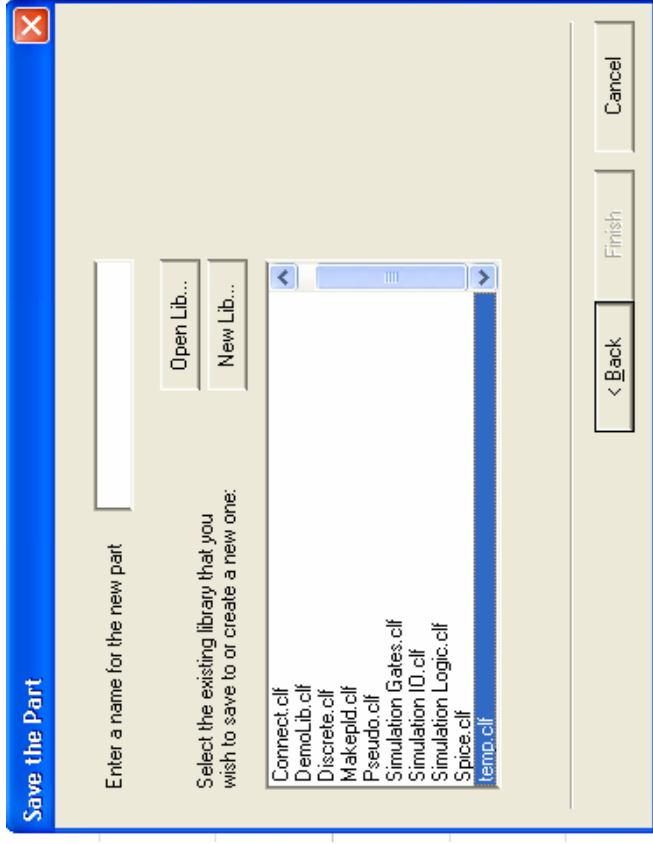
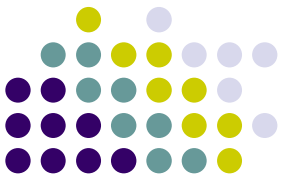
3. HOWTO: Building a RAM

- 8bit processor: address lines should have 8bits as well.
- One word is 8bit.
- HIT NEXT!



3. HOWTO: Building a RAM

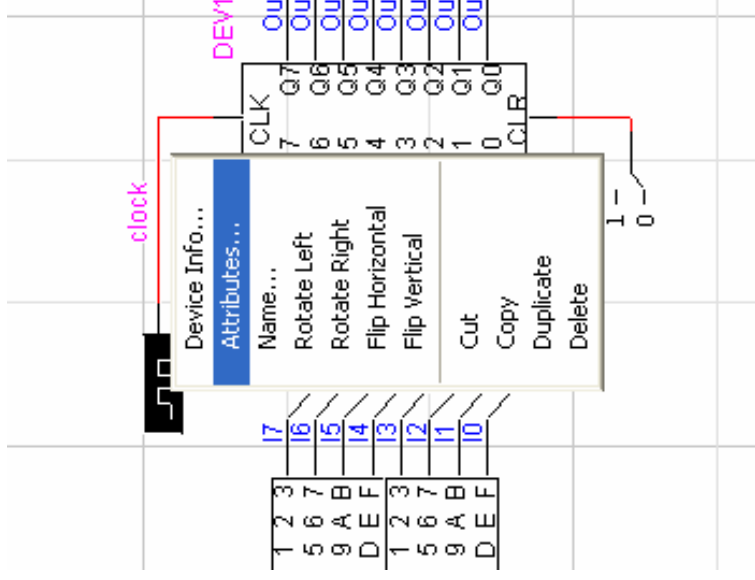
- Click on New Lib.. To create a new library or Click on Open Lib.. To use the existing library.
- Enter a name for the new part
- Click Finish when you are done.



4. CLOCK



- Right Click on the clock and select attribute



4. CLOCK



CLOCK STAYS LOW for 10 time unit

Attribute Values for #unnamed

Delay Dev

Name
Spice
Value

10,10

Visible

Done
Cancel

Use Default Value

CLOCK STAYS HIGH for 10 time unit

4. CLOCK



- Why is this important?



5. Register

- Edge-triggered register!!

