**ECE 329**

**Laboratory Work-2**

**Registers**

**Preparation:**

Collect information about registers. How do they work? Where can you use them? What kinds of registers are exists?

**Experiment:**

Design a Serial-In Serial-Out Shift Register and it shifts data to the right direction with four bits shifts. Then run the circuit by using Pspice. Use the following input signal and observe the output.

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| Clock | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Input | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Outputs | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |