

ECE111 Winter 2007

Project 1

- Due Thursday, January 18.
- Read Tutorial 1 before starting Project 1.
- Project 1 is the design of a Fibonacci calculator using Verilog HDL.
- Accepts as input a number n on an input port, and a clock, and outputs the n th Fibonacci number, some number of clocks later.

Fa'03 ECE 111 Project 1 (cont.)

- The n th Fibonacci number is the sum of the $(n-1)$ th and $(n-2)$ th Fibonacci number, and the first two numbers, the 0th and 1st Fibonacci numbers, are 1 and 1.

So the Fibonacci sequence is:

1, 1, 2, 3, 5, 8, 13, 21, ...