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EECE416 Microcomputer
Howard University
Dr. Charles Kim

Christmas LED Project



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Hardware Used

- **Basic Stamp 2**
- **470 ohm resistors**
- **Red/Green LEDs**
- **9 volt battery**
- **USB Cable**
- **Wires**

Connecting the LEDs



- Connected 7 LEDs to pins 0, 2, 4, 6, 8, 10, 14
- Connected the resistors in series with the LEDs
- Wired each resistor to VDD

Flash the LEDs



- Used the Basic Stamp Editor to program the device
- Used HIGH, LOW, GOTO, and PAUSE statements to control each LED
- HIGH- turns the LED on for the designated pin
- LOW- extinguishes the LED for the designated pin
- GOTO- transfers control of the program back to designated line
- PAUSE- delays the LED command for a designated period of time

Demonstration Time!

