* Signal 1 connected to PIN 1 of the AND IC.
* PIN 1 of the AND IC connected to DIG 2 of the Arduino.
* PIN 1 of the AND IC connected to a 1M Ω resistor which connected to ground.
* Signal 2 connected to PIN 2 of the AND IC.
* PIN 2 of the AND IC connected to a 1M Ω resistor which connected to ground.
* PIN 3 of the AND IC connected to PIN 3 of the JK Flip-flop IC.
* PIN 7 of the AND IC connected to ground.
* PIN 14 of the AND IC connected to power.
* PIN 1 of the JK Flip-flop IC connected to DIG 3 of the Arduino.
* PIN 3 of the JK Flip-flop IC connected to PIN 3 of the AND IC.
* PIN 4 of the JK Flip-flop IC connected to DIG 4 of the Arduino.
* PIN 5 of the JK Flip-flop IC connected to power.
* PIN 5 of the JK Flip-flop IC connected to PIN 6 of the JK Flip-flop IC.
* PIN 7 of the JK Flip-flop IC connected to ground.
* PIN 8 of the JK Flip-flop IC connected to ground.
* PIN 14 of the JK Flip-flop IC connected to power.
* 5V on the Arduino connected to power.
* GND on the Arduino connected to ground.
* DIG 2 of the Arduino connected to PIN 1 of the AND IC.
* DIG 3 of the Arduino connected to PIN 1 of the JK Flip-flop IC.
* DIG 4 of the Arduino connected to PIN 4 of the JK Flip-flop IC.
* DIG 7 of the Arduino connected to the display.
* DIG 8 of the Arduino connected to the display.
* DIG 11 of the Arduino connected to the display.