```
69      // begin() with the addresses of each panel in order
70      // I find it easiest if the addresses are in order
71      trellis.begin(0x71,0x72,0x73,0x74);  // only one
72      // trellis.begin(0x70, 0x71, 0x72, 0x73);  // or four!
73    trellis.setBrightness(0);
74      // light up all the LEDs in order
75      for (uint8_t i=0; i<numKeys; i++) {
76        trellis.setLED(i);
77        trellis.writeDisplay();
78        delay(50);
79      }
80      // then turn them off
81      for (uint8_t i=0; i<numKeys; i++) {
82        trellis.clrLED(i);
83        trellis.writeDisplay();
84        delay(50);
85      }
86    }
87
88
89    void loop() {
90      delay(30); // 30ms delay is required, dont remove me!
91
92      if (MODE == MOMENTARY) {
93        // If a button was just pressed or released...
94        if (trellis.readSwitches()) {
95          // go through every button
96          for (uint8_t i=0; i<numKeys; i++) {
97            // if it was pressed, turn it on
98            if (trellis.justPressed(i)) {
99              Serial.print("v"); Serial.println(i);
100             trellis.setLED(i);
101           }
102           // if it was released, turn it off
103           if (trellis.justReleased(i)) {
104             Serial.print("^"); Serial.println(i);
105             trellis.clrLED(i);
106           }
107         }
108         // tell the trellis to set the LEDs we requested
109         trellis.writeDisplay();
110       }
111     }
112
113     if (MODE == LATCHING) {
114       // If a button was just pressed or released...
115       if (trellis.readSwitches()) {
116         // go through every button
117         for (uint8_t i=0; i<numKeys; i++) {
118           // if it was pressed...
119           if (trellis.justPressed(i)) {
120             /*Serial.print("v");*/ Serial.write(i);
121             // Alternate the LED
122             if (trellis.isLED(i))
123               trellis.clrLED(i);
124             else
125               trellis.setLED(i);
126           }
127         }
128         // tell the trellis to set the LEDs we requested
129         trellis.writeDisplay();
130       }
131     }
132   }
```