```cpp
void loop() {
  // loop through all 11 pins
  for (byte pin=0; pin<=7; pin++)
  {
    selectMuxPin1(pin);   // Select one at a time from mux1
    int inputValue1 = analogRead(A1);  // read z1
    int hitBar1 = checkSensor(inputValue1, pin);
    seq[pin] = hitBar1;
  }
  for (byte pin=0; pin<=7; pin++)
  {
    selectMuxPin2(pin);   // Select one at a time from mux2
    int inputValue2 = analogRead(A2);  // read z2
    int hitBar2 = checkSensor(inputValue2, pin);
    seq[pin+7] = hitBar2;
  }
  hasInput = checkInput(seq);
  if (hasInput == 1){
    for (int j=0; j<16; j++)
    {
      Serial.print(seq[j]);
    }
    Serial.println();
    delay(300);
  }

}
```