Debugging Fun Sensor1 Solution

Scenario: Maxine wrote the following code for her Human Sensor Project. She wants each possible sensor value to call one of the four light pattern functions:

Actual Buggy Code Behavior:

   Everything works except nothing happens for the values 900, 750, and 500

Misconceptions: Ranges. They didn't use >= or <= to include all the possible numbers

Solution:

```
loop() {
    sensorValue = analogRead(sensor);
      if (sensorValue >= 900) {
            lightPattern1();
    }
      if (sensorValue >= 750 && sensorValue < 900) {
        lightPattern2();
    }
      if (sensorValue >= 500 && sensorValue < 750) {
        lightPattern3();
    }
      if (sensorValue < 500)
      {
        lightPattern4();
    }
}
```

Notes:

This is one solution. You could also change every "<" to "<=" instead.