



```

1 // C++ code
2 //
3 //Pin connected to ST_CP of 74HC595
4 int pinSERIE_LCH = 9;
5 //Pin connected to SH_CP of 74HC595
6 int pinSERIE_CLK = 12;
7 ///Pin connected to DS of 74HC595
8 int pinSERIE_DAT = 11;
9
10 void setup() {
11     //
12     pinMode(pinSERIE_LCH, OUTPUT);
13     pinMode(pinSERIE_CLK, OUTPUT);
14     pinMode(pinSERIE_DAT, OUTPUT);
15     // initialize serial communication at 9600 bits per second:
16     Serial.begin(9600);
17 }
18
19 void loop() {
20     // AZUL
21     shiftData(B01000000);
22     delay(300);
23     // BLANCO
24     shiftData(B00000000);
25     delay(150);
26     // AZUL
27     shiftData(B01000000);
28     delay(300);
29     // ROJO
30     shiftData(B00010000);
31     delay(500);
32 }
33 void shiftData(int pNum) {
34     //take the latch pin low so the LEDs will light down:
35     digitalWrite(pinSERIE_LCH, LOW);
36     // shift out the bits:
37     shiftOut(pinSERIE_DAT, pinSERIE_CLK, LSBFIRST, pNum);
38     //take the latch pin high so the LEDs will light up:
39     digitalWrite(pinSERIE_LCH, HIGH);
40 }

```