

```

1  #include "mbed.h"
2  #include "sw_tick_serial.h"
3  #include "pinout.h"
4
5  //pinout
6  static BusOut display(SGA_PIN, SGB_PIN, SGC_PIN, SGD_PIN, SGE_PIN, SGF_PIN, SGG_PIN);
7  static BusOut leds(LDR_PIN, LDM_PIN, LDL_PIN);
8  int8_t to_7seg(uint8_t code);
9
10 int main (void) {
11     sw_tick_serial_init();
12     uint8_t contador = 0;
13
14     for (;;) {
15         if(gb_tick_ls_evnt){
16             gb_tick_ls_evnt = false;
17             display = to_7seg(contador);
18             contador = (contador==9)? 0 : (contador+1);
19         }
20     } // forever
21 } //main(void)
22 int8_t to_7seg(uint8_t code){
23     const int8_t sseg[]={0x3F, 0x06, 0x5B, 0x4F, 0x66, 0x6D, 0x7D, 0x07, 0x7F, 0x6F}; //
24     //const int8_t sseg[]={0x6F, 0x7F, 0x07, 0x7D, 0x6D, 0x66, 0x4F, 0x5B, 0x06, 0x3F };
25     ASCENDENTE 0 AL 9
26     DESCENDENTE 9 AL 0
27     return (code<=9) ? sseg[code] : 0;
28 }

```