```
 1: #define BOTAO_1 RA1
 2: #define BOTAO_2 RA2
 3:
 4: int x;
 5: void main() {
 6: TRISA.BOTAO_1 = 1;
 7: TRISA.BOTAO_2 = 1;
 8: TRISB = 0b00000000;
 9: PORTB=0b00111111;
10:
11:  while(1){
12:
13:     if(PORTA.BOTAO_1 == 0 ){
14:     x++;
15:
16:     switch(x){
17:
18:     case 1 : ("1");
19:     Delay_ms(500);
20:     PORTB=0b00000110;
21:     break;
22:
23:     case 2 :("2");
24:     Delay_ms(500);
25:     PORTB=0b01011011;
26:     break;
27:
28:     case 3 :("3");
29:     Delay_ms(500);
30:     PORTB=0b01001111;
31:     break;
32:
33:     case 4 :("4");
34:     Delay_ms(500);
35:     PORTB=0b01100110;
36:     break;
37:
38:     case 5 :("5");
39:     Delay_ms(500);
40:     PORTB=0b01101101;
41:     break;
42:
43:     case 6 :("6");
44:     Delay_ms(500);
45:     PORTB=0b01111101;
46:     break;
47:
48:     case 7 :("7");
49:     Delay_ms(500);
50:     PORTB=0b00000111;
51:     break;
52:
53:     case 8 :("8");
54:     Delay_ms(500);
55:     PORTB=0b01111111;
56:     break;
57:
58:     case 9 :("9");
59:     Delay_ms(500);
60:     PORTB=0b01101111;
61:     break;
62:
```

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63:        case 10 :("10");
64:        Delay_ms(500);
65:        PORTB=0b00111111;
66:        break;
67:
68:      }
69:      if (x >= 10) {//Se x for maior ou igual a 10
70:       x = 0;//Atribui 0 a contador
71:      }
72:      }
73:      if(PORTA.BOTAO_2 == 0) {
74:        PORTB=0b00111111;
75:        x-=x;
76:      }
77:  }
78: }
79:
```