



Instituto Politécnico Nacional



Escuela Superior de Computo

Materia:

Introducción a los microcontroladores.

Profesor:

Sanchez Aguilar Fernando

Alumnos:

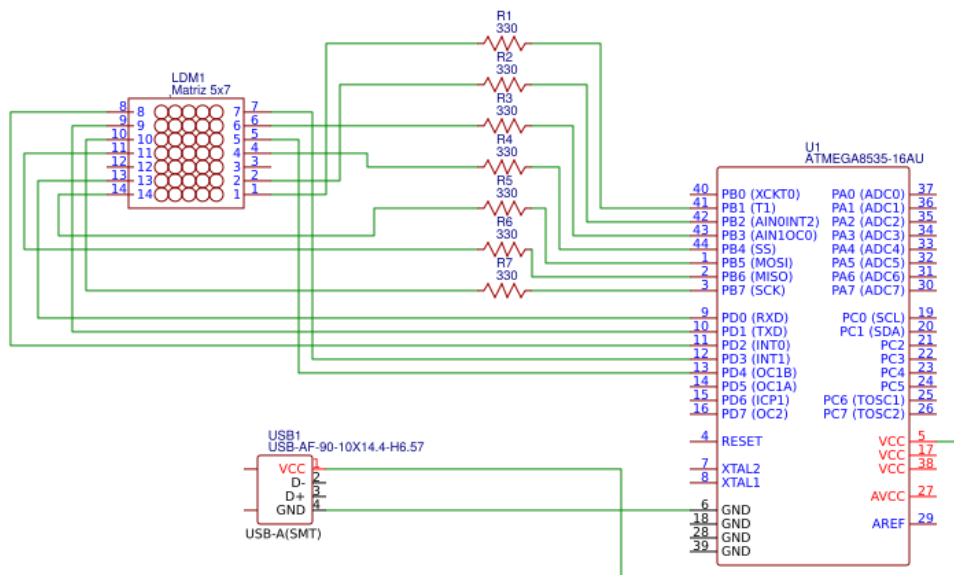
Aldavera Gallaga Iván

Lara Soto Rubén Jair

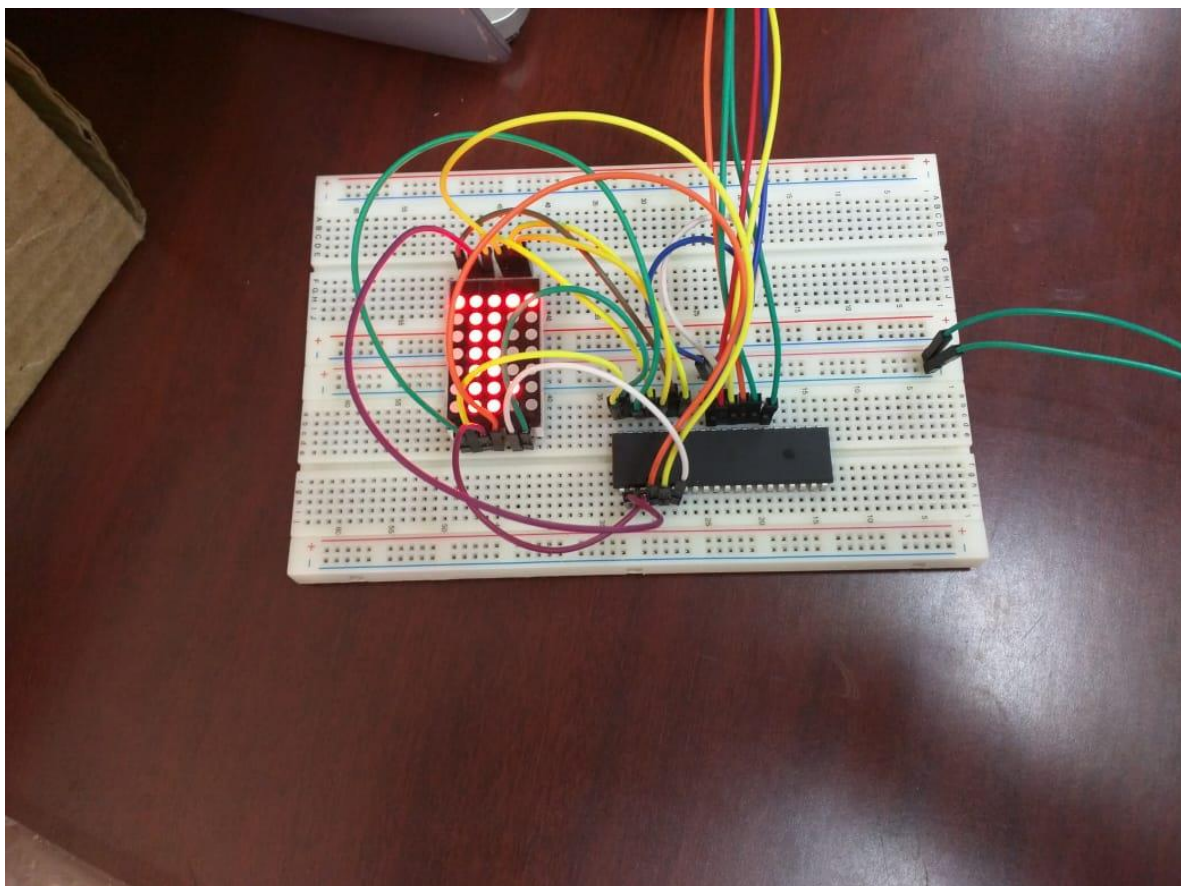
Morales Castellanos Adolfo Erik

Practica N°17

Matriz 7x5



TITLE: Matriz7x5		REV: 1.0
Company: ESCOM		Sheet: 1/1
Date: 2019-05-02	Drawn By: Equipo 4	



```

/*****
2. This program was created by the
3. CodeWizardAVR V2.60 Evaluation
4. Automatic Program Generator
5. © Copyright 1998-2012 Pavel Haiduc, HP InfoTech s.r.l.
6. http://www.hpinfotech.com
7.
8. Project :
9. Version :
10. Date   : 26/03/2019
11. Author : Equipo 4
12. Company :
13. Comments:
14.
15.
16. Chip type           : ATmega8535L
17. Program type        : Application
18. AVR Core Clock frequency: 1,000000 MHz
19. Memory model        : Small
20. External RAM size   : 0
21. Data Stack size    : 128
22. *****/
23.
24. #include <mega8535.h>
25. #include <delay.h>
26.
27. // Declare your global variables here
28.
29. const char col[5]={0x10,0x08,0x04,0x02,0x01};
30.
31. int i=0,j,n;
32. int num[10][5]={0x41,0x3e,0x3e,0x00,0x41},
33.             {0x7e,0x5e,0x00,0x00,0x7e},
34.             {0x4e,0x3c,0x38,0x02,0x46},
35.             {0x5d,0x3e,0x36,0x00,0x49},
36.             {0x07,0x77,0x77,0x00,0x00},
37.             {0x8c,0x36,0x36,0x30,0x39},
38.             {0x41,0x36,0x36,0x30,0x39},
39.             {0x3f,0x37,0x37,0x00,0x0f},
40.             {0x49,0x36,0x36,0x00,0x49},
41.             {0x4d,0x36,0x36,0x00,0x41}};
42.
43. void main(void)
44. {
45.     DDRD=0xff;
46.     DDRC=0xff;
47.
48.     PORTC=0x10;
49.     while (1)
50.     {
51.
52.
53.         for(i=0; i<10; i++){
54.             for(n=0; n<250; n++){
55.                 for(j=0; j<5; j++){
56.                     PORTC=~col[j];
57.                     PORTD=~num[i][j];
58.
59.                     delay_ms(1);
60.                 }
61.             }

```

```
62.      }
63.
64.      }
65.
66. }
```