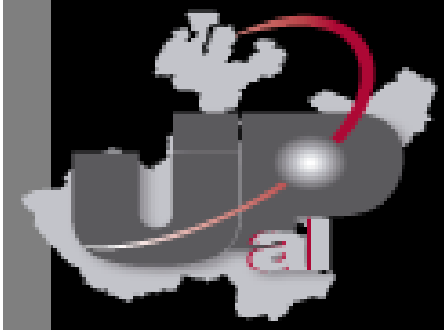


UNIVERSIDAD POLITÉCNICA
DE LA ZONA METROPOLITANA DE GUADALAJARA

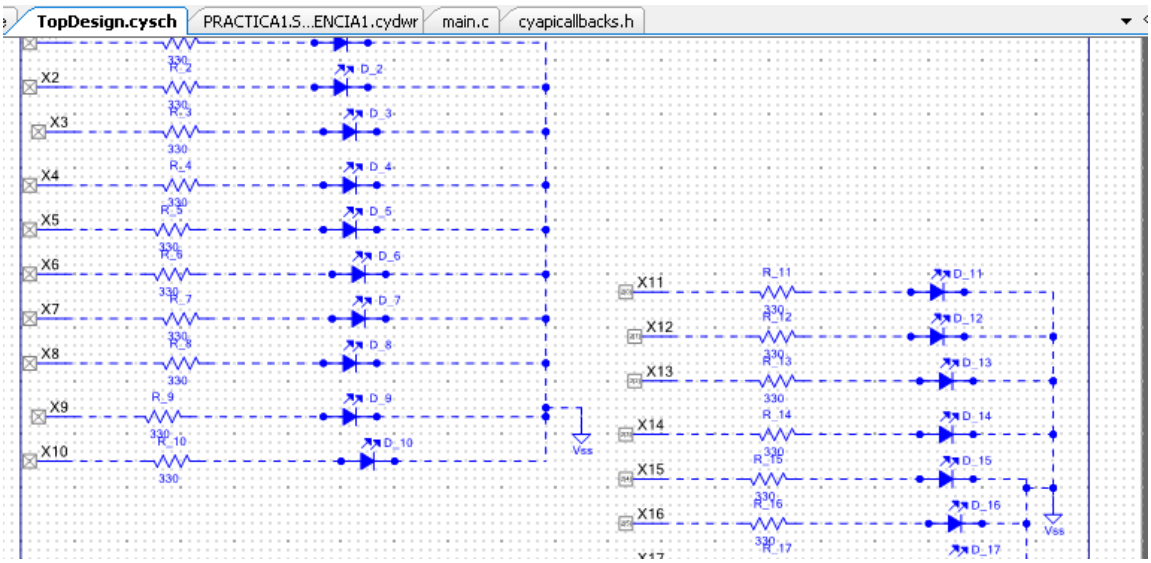
Práctica 1

Moisés Emanuel Martínez Noyola

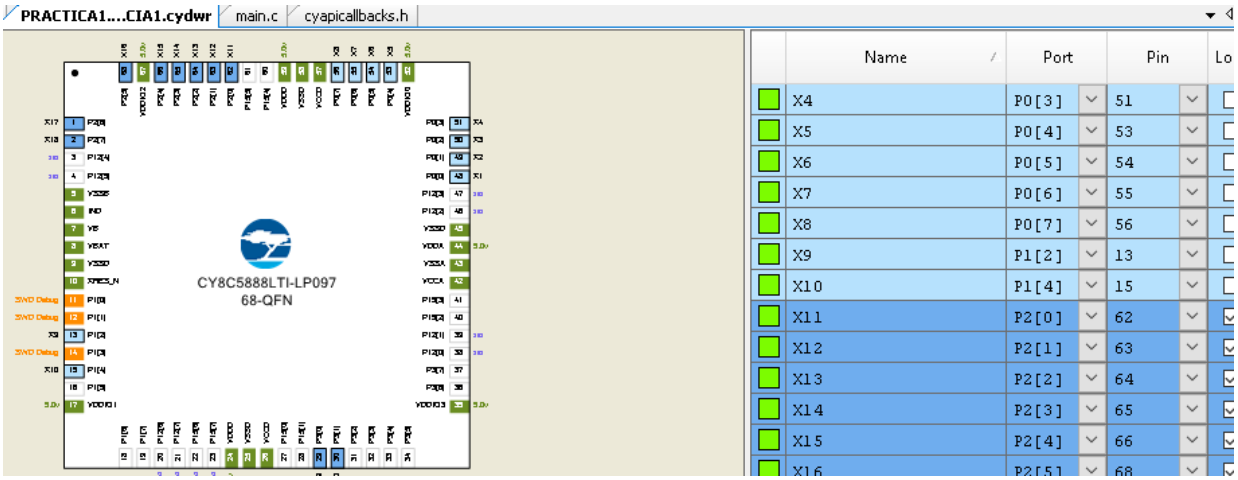
8°A Mecatrónica

Sistemas de embebidos

Primero armamos el circuito en forma de simulación.



En esta parte ajustamos nuestro pines para nuestra comodidad.



Aquí programamos las secuencias en lenguaje “c”

Start Page | TopDesign.cysch | PRACTICA1.S...ENCIA1.cydwr | **main.c** | cyapicallbacks.h

```
/* Place your initialization/startup code here (e.g. MyInst_Start()) */

int main(void){
    CyGlobalIntEnable;
    //ledParpadea(); //Funcion que hace parpadear el LED integrado (loop infinito)
    for(;;){



        //Serie 1//

            X11_Write(1);
            CyDelay(300);
            X11_Write(0);
            X12_Write(1);
            X20_Write(1);
            CyDelay(300);
            X20_Write(0);
            X12_Write(0);
            X13_Write(1);
            X19_Write(1);
            CyDelay(300);
            X13_Write(0);
            X19_Write(0);
            X14_Write(1);
            X18_Write(1);
```

put

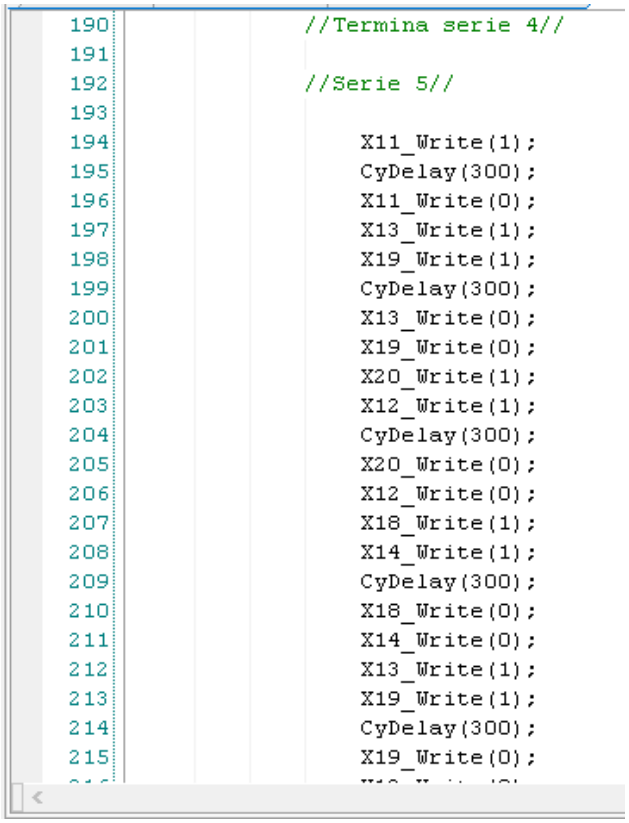
w output from: All

```
            //Termina serie 1//

            //Serie 2//

                X1_Write(1);
                CyDelay(300);
                X10_Write(1);
                CyDelay(300);
                X1_Write(0);
                CyDelay(300);
                X2_Write(1);
                CyDelay(300);
                X10_Write(0);
                CyDelay(300);
                X9_Write(1);
                CyDelay(300);
                X2_Write(0);
                CyDelay(300);
                X3_Write(1);
                CyDelay(500);
                X9_Write(0);
                CyDelay(300);
                X8_Write(1);
                CyDelay(300);
                X3_Write(0);
                CyDelay(300);
```

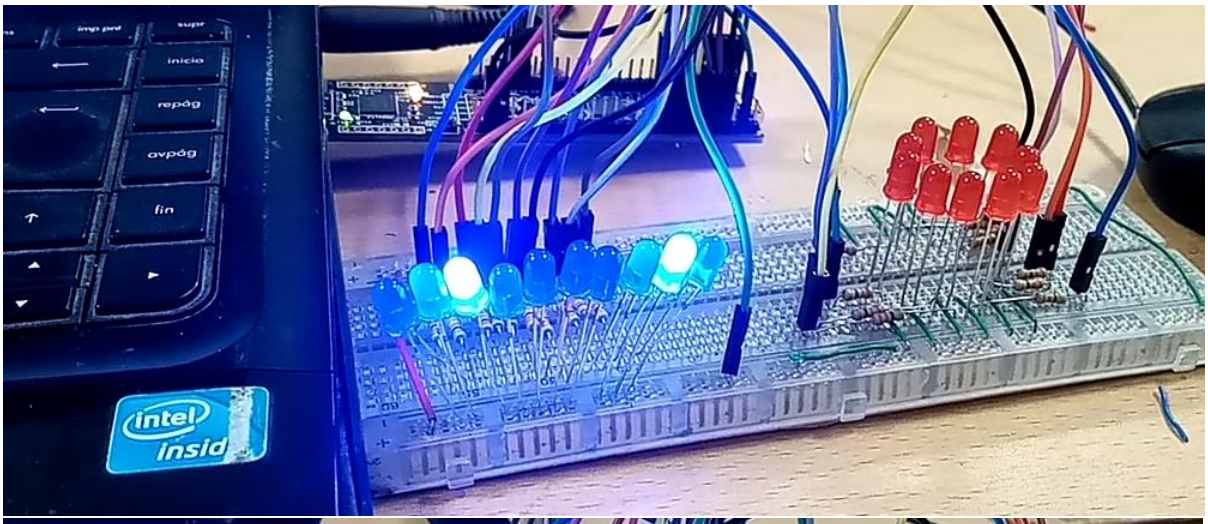
tput

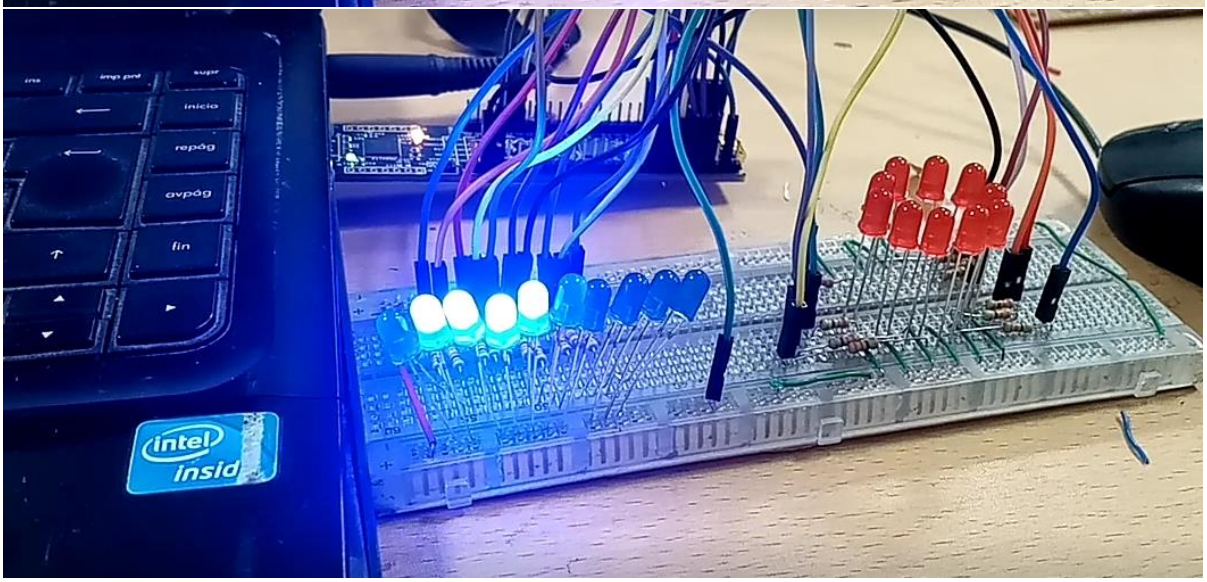
```
121
122             //Serie 3//
123
124                 X1_Write(1);
125                 X2_Write(1);
126                 X3_Write(1);
127                 CyDelay(300);
128                 X4_Write(1);
129                 X1_Write(0);
130                 CyDelay(300);
131                 X5_Write(1);
132                 X2_Write(0);
133                 CyDelay(300);
134                 X6_Write(1);
135                 X3_Write(0);
136                 CyDelay(300);
137                 X7_Write(1);
138                 X4_Write(0);
139                 CyDelay(300);
140                 X8_Write(1);
141                 X5_Write(0);
142                 CyDelay(300);
143                 X9_Write(1);
144                 X6_Write(0);
145                 CyDelay(500);
146                 X10_Write(1);
```

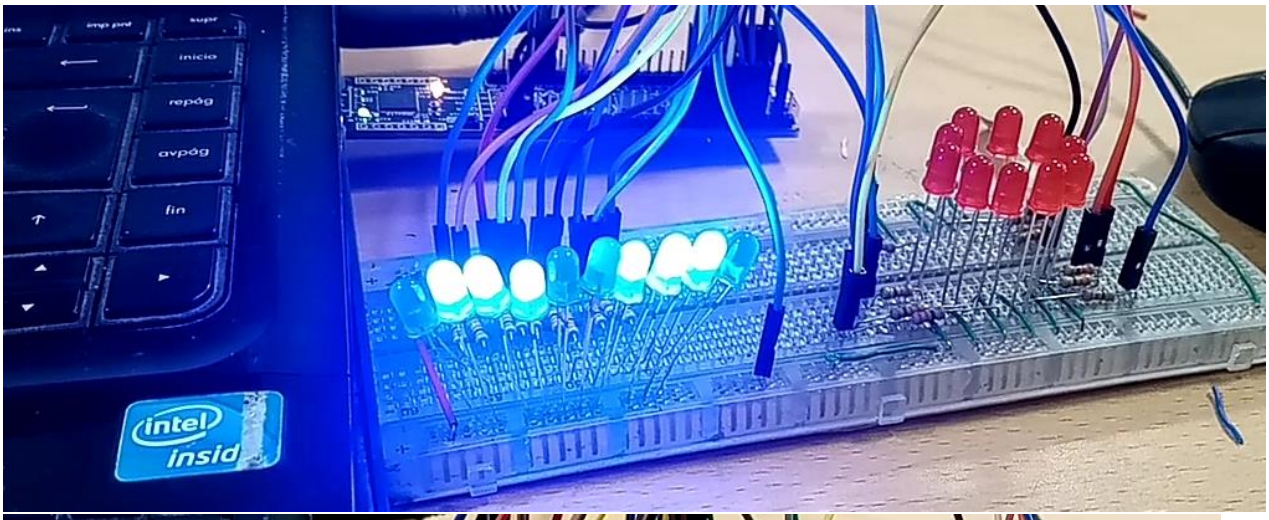
```
154                     CyDelay(300);
155
156             //Termina serie 3//
157
158             //Serie 4//
159
160                 X1_Write(1);
161                 X10_Write(1);
162                 CyDelay(300);
163                 X2_Write(1);
164                 X9_Write(1);
165                 CyDelay(300);
166                 X3_Write(1);
167                 X8_Write(1);
168                 CyDelay(300);
169                 X1_Write(0);
170                 X10_Write(0);
171                 X4_Write(1);
172                 X7_Write(1);
173                 CyDelay(300);
174                 X9_Write(0);
175                 X2_Write(0);
176                 X5_Write(1);
177                 X6_Write(1);
178                 CyDelay(300);
179                 X3_Write(0);
```

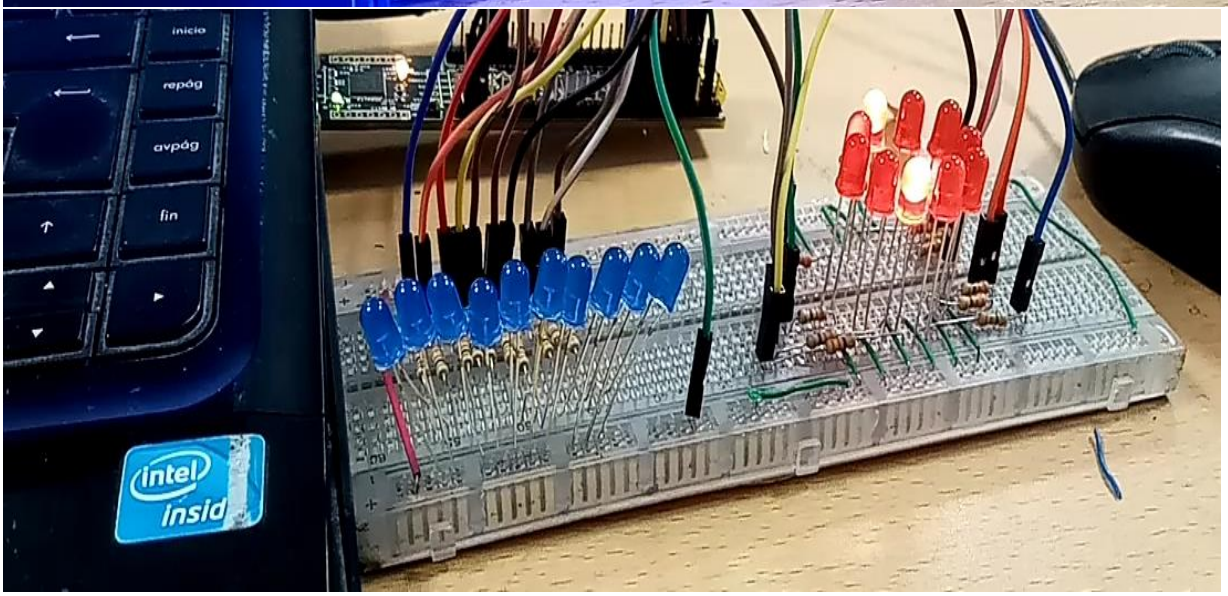


```
190             //Termina serie 4//
191
192             //Serie 5//
193
194                 X11_Write(1);
195                 CyDelay(300);
196                 X11_Write(0);
197                 X13_Write(1);
198                 X19_Write(1);
199                 CyDelay(300);
200                 X13_Write(0);
201                 X19_Write(0);
202                 X20_Write(1);
203                 X12_Write(1);
204                 CyDelay(300);
205                 X20_Write(0);
206                 X12_Write(0);
207                 X18_Write(1);
208                 X14_Write(1);
209                 CyDelay(300);
210                 X18_Write(0);
211                 X14_Write(0);
212                 X13_Write(1);
213                 X19_Write(1);
214                 CyDelay(300);
215                 X19_Write(0);
```


inicio
repág
avpág
fin
intel
inside


inicio
repág
avpág
fin
intel
inside





Conclusión.

Trabajar con esta tarjeta, en mi opinión, es más sencillo que trabajar con la raspberry e igualmente funcional. Aparte de la comodidad y facilidad, es más económica.