WOULD PORTA (5/20 West Keypard Ledula) # include carriouny PC0-PC3 8 60 CW # include (util ruelay.h) PC+-PC7 & 6 6/2 = define KEY\_PRT PORTC 11 key board port # define KEY\_DOR DORC 11 Keyboard DOR # define KEY\_PIN PINC 11 leyboard pin Onol void relay ms (vsigned int d) ? ن مالع الم -delay\_ms(d); unsigned char key pad (4) [4] = 10, 11, 2, 3, (49'5, 16'9'7'9 (8', 19', # 'A', زفيوى كالكيرها در) ال (B', C', D', E', F'4; int main () { We ( yein 1, unsigned cher colloc, rowloc; with som DDRA = 0XFF // CSNOCON A TING (She) ITT QUE KEY\_DDR = OXFO; ( us o her wind in o du) KEY\_PRTSOXFF; فسار داره ١٨٥٨ white (1) سفيا \_ المقا KEY PRT S=0X0F; 11 15/19/10/eld/Se Colloc= (KEY\_PIN & OXUF); Siews ground Twhile (colloc != OXOK); بابن طالته مسكن 1 locar Gap doy dol detay ms (20); 11 delaya (Sielio Key PIES Q bicolos), luis GW 4 Vo - EU110(=(KEY\_PIN &OXOF) 4 while (colloc == 0xoF) of with a the الله فهديد كلي ونعا برداره dielay ms (20); ) لذك باره (ماره في كندتا Collec = (KEY\_PIN & OXOF); مراس سو دسار داره ارى 9 while (colle( == ox of); // wait for keyples

O

```
while(1) }
         KEY_PRTS OXFF; Il grand rono
          CUITO(=(KEY_PIN &OXOF))
                                                          if (Colloc != ox of) 11 Column defected
OX OF = 0000 1777 P
                    Mowle(=0; 11 Save vow location
0X + 6 = 7777 0000
                    break; 1 - Store it 200
 المى لىقى مان كى سى
 entional KEY_PRTS OXDF,
                                  19 round row7
in E (D) CIII o C = (KEY PIN & OXOF); " read the
                                                Columns
     ← (3)
             if (collo(!= oxoF) // column detected
 COlloc
  OXOF !!
                  row10(=7;
            G break; 11 Wiscstow 11200
وسل لا لا لق
  BY USINE AT KEY PRTS OXBF & riground From 2
  ( COLIOC = (KEY_PIN BOX OF); 11 read columns
Jus ( Crus
            if (Colloc! = OXOF)
      an
                   rowloc=2; 11 save row 1. Cotton
                    breaks
             KEY_PR7=0x7F; //ground rows
Colloc=(KEY_PM $6x0F); ~ /www.college
             YOU 16 < = 3;
                                    11 save ron location
                      فردح ازودها
                   مرسد بنقل كرسواكرانع ، عبيل ارال ، ورنبيع توكا بوال
                                                        O
               if ( Colloc = = 0x0E)
    PORTA
           (5) + PORTA = ( Keypad [rowloc)[0];
 CASO 1. CONO
              Plse if (Colloc==0xoD)
                   PORTA = (Kerpad (rowloc] (7));
              else if (Colloc==oxoB)
                   PORTA = (Keypadl (rowloc)(2));
                   DORTA = (Keypad Crowle C)[3]].
               return og
```