

To configure the two poerts, two stolements are needed.

 $LPC-GPIOO \rightarrow FIODIR \mid = OX OOOOOFFO //QL OX FF <<4 on OXFFO : Point to Point <math display="block">LPC-GPIOI \rightarrow FIODIR \mid = OX F << 23 //QL UX O7800000 : Piv23 to P_1v26$ 

Q WAP to display u, u10 u9 u8

Sol: 1:0x06 2:0x5B, 3:0x4F, 4:0x66

One option: [ Ox66, O×4F, O×5B, O×06]: volue array/leverbup total

```
Use P1.23 to P1.26 to use as endle inputs for the display.
Hindula LLPCXX.A>
 urrigned int dig-count = 0x00;
 unsigned elar away-dec[10] = {0x3F, 0x06, 0x5B, 0x4F, 0x66, 0x60, 0x70, 0x07,
 0x7F,0x6F];
 consigned int dig-value [4] = {4,3,2,1}
 unsigned int dig_select [4] = { 0<<23, 1<<23, 2<<23, 3<<23}
voiel dipley ( void) {
   LPC-GPIOI - FIOPIN = dig-select [dig-count];
   LPC - GP500 -> FIOPIN = avery - dec [dig - volue [dig - count]] << 4;
 3
  void dalay (void) { unrigned int i;
     for (i =0; i <10000; i++);
int mein (void) {
       System Init();
       System Gove Clock Update ();
       LPC- GPIOO -> FIODER | = OX OOOOOFFO
       LPC - GPIOI \rightarrow FLODIR I = OXF << 23 -
      while (1) {
       deley ();
          display ();
           dig - count += 1;
           ef (dig = count = = 0 \times 04)
                   dig-count = 0x00;
      3 /lend of while
3/lend of meen
```

Q WAP to count from 0 to 9 then both to 0 in one of the SSO. HW