#include <REGX51.H>

// ------------------???????------------------

#define seg0 P3\_3

#define seg1 P3\_4

#define seg2 P3\_5

#define seg3 P2\_5

#define T0Val (65536-2304)

//2.5ms/Tsys=2304, Fre=1/(4\*2.5ms)=100Hz

// --------------Timer0???????--------------

void Delay(void) {

TMOD=0x01; //??T0

TH0=T0Val/256;

TL0=T0Val%256;

TF0=0;

TR0=1;

while(TF0==0);

TR0=0;

}

void main(void) {

while(1){ //???????????"1234"

int i, d1,d2,d3,d4;

d4= i/1000;

d3= (i/100)%10;

d2= (i/10)%10;

d1= i%10;

seg3 = 0; //??DIG3

P2 = d1+0x10; //????'4'

seg0 = 1; //??DIG0

Delay(); //??2.5ms

seg0 = 0; //??DIG0

P2 =d2+0x10; //????'3'

seg1 = 1; //??DIG1

Delay(); //??2.5ms

seg1 = 0; //??DIG1

P2 = d3+0x10; //????'2'

seg2 = 1; //??DIG2

Delay(); //??2.5ms

seg2 = 0; //??DIG2

P2 = d4+0x10; //????'1'

seg3 = 1; //??DIG3

Delay(); //??2.5ms

i++;

if(i>10000)

i=0;

}