```
void t0Server() interrupt 1
                                                                                             case 2: //显示温度
static uint keyTimeCnt;
                                                                                               init_ds18b20();
                                                                                               Write_DS18B20(0xcc); //跳过ROM检测
//每30ms矩阵键盘扫描
                                                                                               Write_DS18B20(0x44); //启动t转换
if(++keyTimeCnt==30)
                                                                                               init_ds18b20();
                                                                                               Write_DS18B20(0xcc); //跳过ROM检测
  keyTimeCnt=0;
                                                                                               Write_DS18B20(0xbe); //写读取指令
  keyscan();
                                                                                               tLSB=Read_DS18B20(); //先读取低位
//系统状态
                                                                                               tMSB=Read_DS18B20();
switch(sysState)
                                                                                               tempreatureGet=((tMSB<<8)+tLSB)>>4;
                                                                                               if(tempreatureGet==85) {tempreatureGet=0;} //温度合法性检测
  case 0: //上电设定时间
                                                                                               //温度报警
    static uint cursor=0; //光标位置
                                                                                               if(tempreatureGet>=25) {P2=0xa0;P0=0xf0;P2=0;}
                                                                                               else {P2=0xa0;P0=0;P2=0;}
    if(keyVal!=55)
                                                                                               led_set(tempreatureGet);
    {
                                                                                               //切换状态
     switch(keyVal)
                                                                                               if(keyVal==12) {sysState=1;keyVal=0;}
       case 12: timeNow[cursor]=1;keyVal=55;cursor++;break;
                                                                                               if(keyVal==14) {sysState=3;keyVal=0;}
       case 13: timeNow[cursor]=2;keyVal=55;cursor++;break;
                                                                                               if(keyVal==22) {sysState=4;keyVal=0;}
       case 14: timeNow[cursor]=3;keyVal=55;cursor++;break;
                                                                                             }break:
       case 22: timeNow[cursor]=4;keyVal=55;cursor++;break;
       case 23: timeNow[cursor]=5;keyVal=55;cursor++;break;
                                                                                             case 3: //显示ADC
       case 24: timeNow[cursor]=6;keyVal=55;cursor++;break;
                                                                                               //初始化PCF8591
       case 32: timeNow[cursor]=7;keyVal=55;cursor++;break;
       case 33: timeNow[cursor]=8;keyVal=55;cursor++;break;
                                                                                               IIC Start();
                                                                                               IIC_SendByte(0x90); //寻址
       case 34: timeNow[cursor]=9;keyVal=55;cursor++;break;
       case 43: timeNow[cursor]=0;keyVal=55;cursor++;break;
                                                                                               IIC_WaitAck();
                                                                                               IIC_SendByte(0x01); //AIN3
       default:break:
                                                                                               IIC_WaitAck();
                                                                                               //读取ADC值
    if(cursor==6)
                                                                                               IIC_Start();
     hh=timeNow[0]*10+timeNow[1];
                                                                                               IIC_SendByte(0x91); //寻址读
     mm=timeNow[2]*10+timeNow[3];
                                                                                               IIC_WaitAck();
     ss=timeNow[4]*10+timeNow[5];
                                                                                               voltageGet=IIC_RecByte(); //读取读数
     cursor=0;sysState=1;
                                                                                               IIC_Stop();
      Write_Ds1302(0x8e,0); //去写保护
     Write_Ds1302(0x84,timeNow[0]*16+timeNow[1]);
                                                                                               led_set(voltageGet);
      Write_Ds1302(0x82,timeNow[2]*16+timeNow[3]);
                                                                                               //切换状态
     Write_Ds1302(0x80,timeNow[4]*16+timeNow[5]); //写入时分秒
                                                                                               if(keyVal==12) {sysState=1;P2=0x80;P0=0xff;P2=0;keyVal=0;}
    }else
                                                                                               if(keyVal==13) {sysState=2;P2=0x80;P0=0xff;P2=0;keyVal=0;}
     ledBuff[0]=ledChar[timeNow[0]]; ledBuff[1]=ledChar[timeNow[1]];
                                                                                               if(keyVal==22) {sysState=4;P2=0x80;P0=0xff;P2=0;keyVal=0;}
     ledBuff[2]=ledChar[10];
                                                                                             }break:
     ledBuff[3]=ledChar[timeNow[2]]; ledBuff[4]=ledChar[timeNow[3]];
     ledBuff[5]=ledChar[10];
                                                                                             case 4: //EEPROM记录切换模式次数
     ledBuff[6]=ledChar[timeNow[4]]; ledBuff[7]=ledChar[timeNow[5]];
                                                                                               static uchar record:
                                                                                               static uint i,j;
  }break:
  case 1: //待机显示时间
                                                                                               //初始化AT24C02
                                                                                               IIC_Start();
    Write_Ds1302(0x8e,0); //去写保护
                                                                                               IIC_SendByte(0xa0); //寻址
                                                                                               IIC_WaitAck();
   hh=Read_Ds1302(0x85);
    mm=Read_Ds1302(0x83);
                                                                                               IIC_SendByte(0x00);
    ss=Read_Ds1302(0x81); //读时分秒
                                                                                               IIC_WaitAck();
    timeNow[0]=hh/16; timeNow[1]=hh%16;
                                                                                               //读取
    timeNow[2]=mm/16; timeNow[3]=mm%16;
    timeNow[4]=ss/16; timeNow[5]=ss%16;
                                                                                               IIC_Start();
                                                                                               IIC_SendByte(0xa1); //寻址读
                                                                                               IIC_WaitAck();
    //刷新时间显示
    ledBuff[0]=ledChar[timeNow[0]]; ledBuff[1]=ledChar[timeNow[1]];
                                                                                               record=IIC_RecByte();
    ledBuff[2]=ledChar[10];
                                                                                               IIC Ack(0):
    ledBuff[3]=ledChar[timeNow[2]]; ledBuff[4]=ledChar[timeNow[3]];
                                                                                               IIC_Stop();
    ledBuff[5]=ledChar[10];
    ledBuff[6]=ledChar[timeNow[4]]; ledBuff[7]=ledChar[timeNow[5]];
                                                                                               led_set(record);
    //切换状态
                                                                                               if(++i==100) //0.1s写入延迟, 最低写入间隔10ms
    if(keyVal==13) {sysState=2;keyVal=0;}
    if(keyVal==14) {sysState=3;keyVal=0;}
                                                                                                i=0;record++;
                                                                                                //写入
    if(keyVal==22) {sysState=4;keyVal=0;}
    if(keyVal==44)
                                                                                                 IIC_Start();
                                                                                                IIC_SendByte(0xa0); //寻址
     //时间重设
                                                                                                 IIC_WaitAck();
     sysState=0;keyVal=0;
                                                                                                IIC_SendByte(0x00);
                                                                                                IIC_WaitAck();
     timeNow[0]=timeNow[1]=timeNow[2]=
        timeNow[3]=timeNow[4]=timeNow[5]=10;
                                                                                                IIC_SendByte(record);
                                                                                                IIC_WaitAck();
  }break;
                                                                                                 IIC_Stop();
```