MHS3200\_6 软件源程序

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```
#include "SetVal.h"
/*********全局变量声明*****/
uint8_t SetOK_Flag;//检测是否波动旋钮和设置标志位
*************************
 * 函数原型:
          void Check_Set(void)
       能:
          检测设置
**********************
void Check_Set(void)
   if(EC11A\_Knob != 0)
   {
      SetOK_Flag = 1;//检测到波动旋钮,等待退出设置模式
   if(SetOK\_Flag == 1)
      if(SetMode_Option == 0)//在设定好后
         Set_Speeds(&Speed,&Set_Speed,&Ctrl_Speed);//比较临时速度,不同就将设置
值赋值
         Set_Speeds(&Speed,&Set_Speed,&Display_Speed);//比较临时速度,不同就将设
置值赋值
         Set_Speeds(&Speed,&Set_Speed,&Speed);//比较临时速度,不同就将设置值赋值
         Set_Times(&Time,&Set_Time,&Rel_Time);//比较临时时间,不同就将设置值赋
值
         Set_Times(&Time,&Set_Time,&Ctrl_Time);//比较临时时间,不同就将设置值赋
值
         Set_Times(&Time,&Set_Time,&Time);//比较临时时间,不同就将设置值赋值
         if(Temp!= Set_Temp)//比较临时温度和设定温度不一样
            Ctrl_Temp = Set_Temp;//将设置温度赋值给控制温度
            Temp = Ctrl_Temp;//将设置温度赋值给临时温度
         if(Temp_ADDMode == 1 && Rel_Temp > Ctrl_Temp)//在加热模式下,显示温度
大于控制温度
            Temp_ADDMode = 0;//重新判断
         else if(Temp ADDMode == 2 && Rel Temp < Ctrl Temp)//在降温模式下,显示
温度小于控制温度
            Temp_ADDMode = 0;//重新判断
         else if(Temp ADDMode == 3)//在温度状态下
```

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{
               Temp_ADDMode = 0;//重新判断
           }
           SetOK_Flag = 0;
       }
   }
}
************************
  函数原型:
            void Set_Val(uint8_t flag,uint8_t Work_Option,uint8_t SetMode_Option)
  功
        能:
            设置数值
        入: flag: 0 是加 1 是减 Work_Option: 工位 SetMode_Option: 设置模式
            uint8_t flag,uint8_t Work_Option,uint8_t SetMode_Option
*********************
void Set_Val(uint8_t flag,uint8_t Work_Option,uint8_t SetMode_Option)
   if(flag == 0)//加
       switch(Work_Option)//工位
           case 1:switch(SetMode_Option)//模式
                      case 1:Set_Speed.L1 = Set_Speed.L1 + 10;//速度加 10
                             Set\_Speed.L1 = (Set\_Speed.L1 < 50) ? 50 :
Set_Speed.L1;//小于 50 时从 50 开始加
                             break;
                      case 2:Set_Temp = Set_Temp + 10;//温度加 1℃
                             break;
                      case 3:Set_Time.L1 = Set_Time.L1 + 60;//时间加一分钟
                             break;
                  }break;
           case 2:switch(SetMode_Option)//模式
                      case 1:Set_Speed.L2 = Set_Speed.L2 + 10;//速度加 10
                              Set Speed.L2 = (Set Speed.L2 < 50) ? 50 :
Set_Speed.L2;//小于 50 时从 50 开始加
                             break;
                      case 2:Set_Temp = Set_Temp + 10;//温度加 1℃
                      case 3:Set_Time.L2 = Set_Time.L2 + 60;//时间加一分钟
                             break;
                  }break;
           case 3:switch(SetMode_Option)//模式
                      case 1:Set_Speed.L3 = Set_Speed.L3 + 10;//速度加 10
                              Set\_Speed.L3 = (Set\_Speed.L3 < 50) ? 50 :
Set Speed.L3://小于 50 时从 50 开始加
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break;
                        case 2:Set_Temp = Set_Temp + 10;//温度加 1℃
                               break;
                        case 3:Set_Time.L3 = Set_Time.L3 + 60;//时间加一分钟
                               break;
                   }break;
            case 4:switch(SetMode_Option)//模式
                   {
                        case 1:Set_Speed.L4 = Set_Speed.L4 + 10;//速度加 10
                                Set\_Speed.L4 = (Set\_Speed.L4 < 50) ? 50 :
Set_Speed.L4;//小于 50 时从 50 开始加
                               break;
                        case 2:Set_Temp = Set_Temp + 10;//温度加 1℃
                        case 3:Set_Time.L4 = Set_Time.L4 + 60;//时间加一分钟
                               break;
                   }break;
            case 5:switch(SetMode_Option)//模式
                   {
                        case 1:Set_Speed.L5 = Set_Speed.L5 + 10;//速度加 10
                                Set\_Speed.L5 = (Set\_Speed.L5 < 50) ? 50 :
Set_Speed.L5;//小于 50 时从 50 开始加
                               break;
                        case 2:Set_Temp = Set_Temp + 10;//温度加 1℃
                               break;
                        case 3:Set_Time.L5 = Set_Time.L5 + 60;//时间加一分钟
                               break;
                   }break;
            case 6:switch(SetMode_Option)//模式
                        case 1:Set_Speed.L6 = Set_Speed.L6 + 10;//速度加 10
                                Set\_Speed.L6 = (Set\_Speed.L6 < 50) ? 50 :
Set_Speed.L6;//小于 50 时从 50 开始加
                               break;
                        case 2:Set_Temp = Set_Temp + 10;//温度加 1℃
                        case 3:Set_Time.L6 = Set_Time.L6 + 60;//时间加一分钟
                               break;
                   }break;
            case 7:switch(SetMode_Option)//模式
                   {
                        case 1:Set_Speed.L7 = Set_Speed.L7 + 10;//速度加 10
                                Set\_Speed.L7 = (Set\_Speed.L7 < 50) ? 50 :
Set Speed.L7;//小于 50 时从 50 开始加
                        case 2:Set_Temp = Set_Temp + 10;//温度加 1℃
                               break;
                        case 3:Set_Time.L7 = Set_Time.L7 + 60;//时间加一分钟
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break;
                    }break;
            case 8:switch(SetMode_Option)//模式
                         case 1:Set_Speed.L8 = Set_Speed.L8 + 10;//速度加 10
                                  Set\_Speed.L8 = (Set\_Speed.L8 < 50) ? 50 :
Set_Speed.L8;//小于 50 时从 50 开始加
                                 break;
                         case 2:Set_Temp = Set_Temp + 10;//温度加 1℃
                         case 3:Set_Time.L8 = Set_Time.L8 + 60;//时间加一分钟
                                 break;
                    }break;
    }
    if(flag == 1)
        switch(Work_Option)//工位
            case 1:switch(SetMode_Option)//模式
                         case 1:Set_Speed.L1 = Set_Speed.L1 - 10;//速度减 10
                                 break;
                         case 2:Set_Temp = Set_Temp - 10;//温度减 1℃
                                 break;
                         case 3:Set_Time.L1 = Set_Time.L1 - 60;//时间减一分钟
                                  break;
                    }break;
            case 2:switch(SetMode_Option)//模式
                         case 1:Set_Speed.L2 = Set_Speed.L2 - 10;//速度减 10
                                 break:
                         case 2:Set_Temp = Set_Temp - 10;//温度减 1℃
                         case 3:Set_Time.L2 = Set_Time.L2 - 60;//时间减一分钟
                                  break;
                    }break;
            case 3:switch(SetMode_Option)//模式
                         case 1:Set_Speed.L3 = Set_Speed.L3 - 10;//速度减 10
                         case 2:Set_Temp = Set_Temp - 10;//温度减 1℃
                         case 3:Set_Time.L3 = Set_Time.L3 - 60;//时间减一分钟
                                  break:
                    }break;
            case 4:switch(SetMode_Option)//模式
                    {
                         case 1:Set_Speed.L4 = Set_Speed.L4 - 10;//速度减 10
                                 break;
```

case 2:Set\_Temp = Set\_Temp - 10;//温度减 1℃

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break;
                         case 3:Set_Time.L4 = Set_Time.L4 - 60;//时间减一分钟
                                 break:
                    }break;
            case 5:switch(SetMode_Option)//模式
                         case 1:Set_Speed.L5 = Set_Speed.L5 - 10;//速度减 10
                                break;
                         case 2:Set_Temp = Set_Temp - 10;//温度减 1℃
                                break;
                         case 3:Set_Time.L5 = Set_Time.L5 - 60;//时间减一分钟
                                 break:
                    }break;
            case 6:switch(SetMode_Option)//模式
                    {
                         case 1:Set_Speed.L6 = Set_Speed.L6 - 10;//速度减 10
                                break;
                         case 2:Set_Temp = Set_Temp - 10;//温度减 1℃
                                break:
                         case 3:Set_Time.L6 = Set_Time.L6 - 60;//时间减一分钟
                                 break;
                    }break;
            case 7:switch(SetMode_Option)//模式
                         case 1:Set_Speed.L7 = Set_Speed.L7 - 10;//速度减 10
                                break;
                         case 2:Set_Temp = Set_Temp - 10;//温度减 1℃
                         case 3:Set_Time.L7 = Set_Time.L7 - 60;//时间减一分钟
                                 break;
                    }break;
            case 8:switch(SetMode_Option)//模式
                         case 1:Set_Speed.L8 = Set_Speed.L8 - 10;//速度减 10
                         case 2:Set_Temp = Set_Temp - 10;//温度减 1℃
                         case 3:Set_Time.L8 = Set_Time.L8 - 60;//时间减一分钟
                                 break;
                    }break;
        }
    Set_Speed.L1 = (Set_Speed.L1 > 1500) ? 1500 : Set_Speed.L1;//速度不超过 1500 转
    Set Speed.L1 = (Set Speed.L1 < 50)?0: Set Speed.L1://速度设置小于50转时清零
    Set_Time.L1 = (Set_Time.L1 > 86400) ? 86400 : Set_Time.L1;//时间最多设定 23 小时 59
分钟
    Set_Time.L1 = (Set_Time.L1 < 60)? 0: Set_Time.L1;//时间小于1分钟不设定
    SetTime_State.L1 = (Set_Time.L1 < 60) ? 0 : 1;//判断是否设置了时间
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   Set_Speed.L2 = (Set_Speed.L2 > 1500) ? 1500 : Set_Speed.L2;//速度不超过 1500 转
   Set_Speed.L2 = (Set_Speed.L2 < 50)? 0: Set_Speed.L2;//速度设置小于 50 转时清零
   Set_Time.L2 = (Set_Time.L2 > 86400) ? 86400 : Set_Time.L2;//时间最多设定 23 小时 59
分钟
   Set_Time.L2 = (Set_Time.L2 < 60) ? 0 : Set_Time.L2;//时间小于 1 分钟不设定
   SetTime_State.L2 = (Set_Time.L2 < 60) ? 0 : 1;//判断是否设置了时间
   Set_Speed.L3 = (Set_Speed.L3 > 1500) ? 1500 : Set_Speed.L3;//速度不超过 1500 转
   Set_Speed.L3 = (Set_Speed.L3 < 50)? 0: Set_Speed.L3;//速度设置小于 50 转时清零
   Set Time.L3 = (Set Time.L3 > 86400)? 86400: Set Time.L3://时间最多设定 23 小时 59
分钟
   Set_Time.L3 = (Set_Time.L3 < 60) ? 0 : Set_Time.L3;//时间小于 1 分钟不设定
   SetTime_State.L3 = (Set_Time.L3 < 60) ? 0 : 1;//判断是否设置了时间
   Set_Speed.L4 = (Set_Speed.L4 > 1500) ? 1500 : Set_Speed.L4;//速度不超过 1500 转
   Set_Speed.L4 = (Set_Speed.L4 < 50)? 0: Set_Speed.L4;//速度设置小于 50 转时清零
   Set_Time.L4 = (Set_Time.L4 > 86400) ? 86400 : Set_Time.L4;//时间最多设定 23 小时 59
分钟
   Set_Time.L4 = (Set_Time.L4 < 60) ? 0 : Set_Time.L4;//时间小于 1 分钟不设定
   SetTime State.L4 = (Set Time.L4 < 60)?0:1;//判断是否设置了时间
   Set_Speed.L5 = (Set_Speed.L5 > 1500) ? 1500 : Set_Speed.L5;//速度不超过 1500 转
   Set_Speed.L5 = (Set_Speed.L5 < 50)?0: Set_Speed.L5;//速度设置小于 50 转时清零
   Set_Time.L5 = (Set_Time.L5 > 86400) ? 86400 : Set_Time.L5;//时间最多设定 23 小时 59
分钟
   Set_Time.L5 = (Set_Time.L5 < 60) ? 0 : Set_Time.L5;//时间小于 1 分钟不设定
   SetTime_State.L5 = (Set_Time.L5 < 60) ? 0 : 1;//判断是否设置了时间
   Set_Speed.L6 = (Set_Speed.L6 > 1500) ? 1500 : Set_Speed.L6;//速度不超过 1500 转
   Set_Speed.L6 = (Set_Speed.L6 < 50)? 0: Set_Speed.L6;//速度设置小于 50 转时清零
   Set_Time.L6 = (Set_Time.L6 > 86400) ? 86400 : Set_Time.L6;//时间最多设定 23 小时 59
分钟
   Set_Time.L6 = (Set_Time.L6 < 60) ? 0 : Set_Time.L6;//时间小于 1 分钟不设定
   SetTime_State.L6 = (Set_Time.L6 < 60) ? 0 : 1;//判断是否设置了时间
   Set_Speed.L7 = (Set_Speed.L7 > 1500) ? 1500 : Set_Speed.L7;//速度不超过 1500 转
   Set_Speed.L7 = (Set_Speed.L7 < 50)? 0: Set_Speed.L7;//速度设置小于 50 转时清零
   Set Time.L7 = (Set Time.L7 > 86400)? 86400: Set Time.L7://时间最多设定 23 小时 59
分钟
   Set_Time.L7 = (Set_Time.L7 < 60) ? 0 : Set_Time.L7;//时间小于 1 分钟不设定
   SetTime_State.L7 = (Set_Time.L7 < 60) ? 0 : 1;//判断是否设置了时间
   Set_Speed.L8 = (Set_Speed.L8 > 1500) ? 1500 : Set_Speed.L8;//速度不超过 1500 转
   Set_Speed.L8 = (Set_Speed.L8 < 50) ? 0 : Set_Speed.L8;//速度设置小于 50 转时清零
   Set Time.L8 = (Set Time.L8 > 86400)? 86400: Set Time.L8://时间最多设定 23 小时 59
分钟
   Set Time.L8 = (Set Time.L8 < 60) ? 0 : Set Time.L8;//时间小于 1 分钟不设定
   SetTime_State.L8 = (Set_Time.L8 < 60) ? 0 : 1;//判断是否设置了时间
```

Set Temp = (Set Temp > 1200) ? 1200 : Set Temp;//温度不超过 120℃

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Set_Temp = (Set_Temp < 10)?0: Set_Temp;//温度设置小于1℃时清零
   Temp_State = (Set_Temp < 10)? 0:1;//判断是否设置了温度
   if(SetMode_Option!=0)//如果在设置模式中转动旋钮
      Twinkle_Time = 6000;//闪烁显示 6S
      EC11A_Knob = 1;//检测是不是在旋动旋钮
      Work_All = 0;//退出同步模式
   }
}
*********************
  函数原型: void SetALL_int(int Val,_Work_Num_*Work_Num)
       能: 将结构图中的参数赋值-int型
  功
* 输
       入: Val 赋予的值 Work_Num: 结构体,要用&号连接
          int Val,_Work_Num_ *Work_Num
********************
void SetALL_int(int Val,_Work_Num_ *Work_Num)
   Work_Num->L1 = Val;
   Work_Num->L2 = Val;
   Work_Num->L3 = Val;
   Work_Num->L4 = Val;
   Work_Num->L5 = Val;
   Work_Num->L6 = Val;
   Work_Num->L7 = Val;
   Work_Num->L8 = Val;
}
*********************
  函数原型: void SetALL_int8(uint8_t Val,_Work_Num_Flag *Work_Num)
  功
          将结构图中的参数赋值-uint8 t型
* 输
       入: Val 赋予的值 Work_Num: 结构体,要用&号连接
           uint8_t Val,_Work_Num_Flag *Work_Num
***********************
void SetALL_int8(uint8_t Val,_Work_Num_Flag *Work_Num)
   Work Num->L1 = Val;
   Work_Num->L2 = Val;
   Work_Num->L3 = Val;
   Work Num->L4 = Val;
   Work_Num->L5 = Val;
   Work Num->L6 = Val;
   Work_Num->L7 = Val;
   Work_Num->L8 = Val;
}
```

```
************************
* 函数原型: void SetALL_int32(uint32_t Val,_Work_Num_long *Work_Num)
         将结构图中的参数赋值-uint32_t型
* 功
      能:
* 输
      入: Val 赋予的值 Work Num: 结构体,要用&号连接
          uint32_t Val,_Work_Num_long *Work_Num
********************
void SetALL_int32(uint32_t Val,_Work_Num_long *Work_Num)
{
   Work_Num->L1 = Val;
   Work Num->L2 = Val;
   Work_Num->L3 = Val;
   Work_Num->L4 = Val;
   Work_Num->L5 = Val;
   Work Num->L6 = Val;
   Work_Num->L7 = Val;
   Work_Num->L8 = Val;
}
*************************
* 函数原型:
           void SetALL_TimeOver(_Work_Num_long *Work_Num1,_Work_Num_long
*Work Num)
* 功
      能: //将两个结构体变量的参数对应赋值,用于结束时间复原
      入: Work_Numl 结构体,要用&号连接 Work_Num: 结构体,要用&号连接
      数: _Work_Num_long *Work_Num1,_Work_Num_long *Work_Num
**********************
void SetALL_TimeOver(_Work_Num_long *Work_Num1,_Work_Num_long *Work_Num)
   Work_Num1->L1 = Work_Num->L1;
   Work_Num1->L2 = Work_Num->L2;
   Work_Num1->L3 = Work_Num->L3;
   Work_Num1->L4 = Work_Num->L4;
   Work_Num1->L5 = Work_Num->L5;
   Work Num1->L6 = Work Num->L6;
   Work_Num1->L7 = Work_Num->L7;
   Work_Num1->L8 = Work_Num->L8;
}
*************************
* 函数原型:
               void SetALL_SpeedOver(_Work_Num_ *Work_Num1,_Work_Num_
*Work Num)
* 功
      能: 将两个结构体变量的参数对应赋值,用于结束时间速度复原
* 输
      入: Work_Numl 结构体,要用&号连接 Work_Num: 结构体,要用&号连接
          _Work_Num_long *Work_Num1,_Work_Num_long *Work_Num
************************
```

```
void SetALL_SpeedOver(_Work_Num_ *Work_Num1,_Work_Num_ *Work_Num)
   Work_Num1->L1 = Work_Num->L1;
   Work_Num1->L2 = Work_Num->L2;
   Work_Num1->L3 = Work_Num->L3;
   Work_Num1->L4 = Work_Num->L4;
   Work_Num1->L5 = Work_Num->L5;
   Work_Num1->L6 = Work_Num->L6;
   Work_Num1->L7 = Work_Num->L7;
   Work_Num1->L8 = Work_Num->L8;
}
*************************
 * 函数原型:
               void Speed_ALL(uint8_t work,_Work_Num_ *Work_Num,_Work_Num_
*Work_Num1)
* 功
        能:
            同步功能,将所有工位的速度同步
 * 输
        入: work 工位号 Work_Num 结构体,要用&号连接 Work_Num1:结构体,要
用&号连接
* 参
        数: uint8 t work, Work Num *Work Num, Work Num *Work Num1
********************
void Speed_ALL(uint8_t work,_Work_Num_ *Work_Num,_Work_Num_ *Work_Num1)
   switch(work)
       case 1: Work_Num->L1 = Work_Num1->L1;
              Work_Num->L2 = Work_Num1->L1;
              Work_Num->L3 = Work_Num1->L1;
              Work_Num->L4 = Work_Num1->L1;
              Work_Num->L5 = Work_Num1->L1;
              Work_Num->L6 = Work_Num1->L1;
              Work_Num->L7 = Work_Num1->L1;
              Work_Num->L8 = Work_Num1->L1;
              break:
       case 2:Work_Num->L2 = Work_Num1->L2;
              Work_Num->L1 = Work_Num1->L2;
              Work Num->L3 = Work Num1->L2;
              Work_Num->L4 = Work_Num1->L2;
              Work_Num->L5 = Work_Num1->L2;
              Work_Num->L6 = Work_Num1->L2;
              Work Num->L7 = Work Num1->L2;
              Work_Num->L8 = Work_Num1->L2;
              break;
       case 3:Work Num->L3 = Work Num1->L3;
              Work_Num->L1 = Work_Num1->L3;
              Work_Num->L2 = Work_Num1->L3;
              Work_Num->L4 = Work_Num1->L3;
              Work Num->L5 = Work Num1->L3;
              Work_Num->L6 = Work_Num1->L3;
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Work_Num->L7 = Work_Num1->L3;
       Work_Num->L8 = Work_Num1->L3;
       break;
case 4:Work_Num->L4 = Work_Num1->L4;
       Work_Num->L1 = Work_Num1->L4;
       Work_Num->L2 = Work_Num1->L4;
       Work_Num->L3 = Work_Num1->L4;
       Work_Num->L5 = Work_Num1->L4;
       Work_Num->L6 = Work_Num1->L4;
       Work_Num->L7 = Work_Num1->L4;
       Work_Num->L8 = Work_Num1->L4;
       break;
case 5:
       Work_Num->L5 = Work_Num1->L5;
       Work_Num->L1 = Work_Num1->L5;
       Work_Num->L2 = Work_Num1->L5;
       Work_Num->L3 = Work_Num1->L5;
       Work_Num->L4 = Work_Num1->L5;
       Work_Num->L6 = Work_Num1->L5;
       Work_Num->L7 = Work_Num1->L5;
       Work_Num->L8 = Work_Num1->L5;
       break;
case 6:Work_Num->L6 = Work_Num1->L6;
       Work_Num->L1 = Work_Num1->L6;
       Work_Num->L2 = Work_Num1->L6;
       Work_Num->L3 = Work_Num1->L6;
       Work_Num->L4 = Work_Num1->L6;
       Work_Num->L5 = Work_Num1->L6;
       Work_Num->L7 = Work_Num1->L6;
       Work_Num->L8 = Work_Num1->L6;
       break;
case 7:Work_Num->L7 = Work_Num1->L7;
       Work_Num->L1 = Work_Num1->L7;
       Work_Num->L2 = Work_Num1->L7;
       Work_Num->L3 = Work_Num1->L7;
       Work_Num->L4 = Work_Num1->L7;
       Work_Num->L5 = Work_Num1->L7;
       Work Num->L6 = Work Num1->L7;
       Work_Num->L8 = Work_Num1->L7;
       break;
case 8:Work_Num->L8 = Work_Num1->L8;
       Work_Num->L1 = Work_Num1->L8;
       Work_Num->L2 = Work_Num1->L8;
       Work_Num->L3 = Work_Num1->L8;
       Work Num->L4 = Work Num1->L8;
       Work_Num->L5 = Work_Num1->L8;
        Work_Num->L6 = Work_Num1->L8;
       Work_Num->L7 = Work_Num1->L8;
       break;
```

}

```
}
*************************
 * 函数原型: void Time_ALL(uint8_t work,_Work_Num_long *Work_Num,_Work_Num_long
*Work Num1)
 * 功
        能:
            同步功能,将所有工位的时间同步
 * 输
        入: work 工位号 Work_Num 结构体,要用&号连接 Work_Num1:结构体,要
用&号连接
        数: uint8_t work,_Work_Num_long *Work_Num,_Work_Num_long *Work_Num1
*************************
void Time_ALL(uint8_t work,_Work_Num_long *Work_Num,_Work_Num_long *Work_Num1)
   switch(work)
   {
       case 1: Work_Num->L1 = Work_Num1->L1;
              Work_Num->L2 = Work_Num1->L1;
              Work_Num->L3 = Work_Num1->L1;
              Work_Num->L4 = Work_Num1->L1;
              Work_Num->L5 = Work_Num1->L1;
              Work_Num->L6 = Work_Num1->L1;
              Work_Num->L7 = Work_Num1->L1;
              Work_Num->L8 = Work_Num1->L1;
              break;
       case 2:Work_Num->L2 = Work_Num1->L2;
              Work_Num->L1 = Work_Num1->L2;
              Work_Num->L3 = Work_Num1->L2;
              Work_Num->L4 = Work_Num1->L2;
              Work_Num->L5 = Work_Num1->L2;
              Work_Num->L6 = Work_Num1->L2;
              Work_Num->L7 = Work_Num1->L2;
              Work_Num->L8 = Work_Num1->L2;
              break;
       case 3:Work_Num->L3 = Work_Num1->L3;
              Work_Num->L1 = Work_Num1->L3;
              Work_Num->L2 = Work_Num1->L3;
              Work_Num->L4 = Work_Num1->L3;
              Work_Num->L5 = Work_Num1->L3;
              Work_Num->L6 = Work_Num1->L3;
              Work_Num->L7 = Work_Num1->L3;
              Work_Num->L8 = Work_Num1->L3;
              break;
       case 4:Work_Num->L4 = Work_Num1->L4;
              Work Num->L1 = Work Num1->L4;
              Work_Num->L2 = Work_Num1->L4;
              Work_Num->L3 = Work_Num1->L4;
              Work_Num->L5 = Work_Num1->L4;
              Work_Num->L6 = Work_Num1->L4;
              Work_Num->L7 = Work_Num1->L4;
```

 $Work_Num->L8 = Work_Num1->L4;$ 

```
break;
       case 5:
              Work_Num->L5 = Work_Num1->L5;
              Work_Num->L1 = Work_Num1->L5;
              Work_Num->L2 = Work_Num1->L5;
              Work_Num->L3 = Work_Num1->L5;
              Work_Num->L4 = Work_Num1->L5;
              Work_Num->L6 = Work_Num1->L5;
               Work_Num->L7 = Work_Num1->L5;
              Work_Num->L8 = Work_Num1->L5;
              break;
       case 6:Work_Num->L6 = Work_Num1->L6;
              Work_Num->L1 = Work_Num1->L6;
              Work_Num->L2 = Work_Num1->L6;
              Work_Num->L3 = Work_Num1->L6;
              Work_Num->L4 = Work_Num1->L6;
              Work_Num->L5 = Work_Num1->L6;
              Work_Num->L7 = Work_Num1->L6;
               Work_Num->L8 = Work_Num1->L6;
              break;
       case 7:Work_Num->L7 = Work_Num1->L7;
              Work_Num->L1 = Work_Num1->L7;
              Work_Num->L2 = Work_Num1->L7;
              Work_Num->L3 = Work_Num1->L7;
              Work_Num->L4 = Work_Num1->L7;
              Work_Num->L5 = Work_Num1->L7;
              Work_Num->L6 = Work_Num1->L7;
              Work_Num->L8 = Work_Num1->L7;
              break;
       case 8:Work_Num->L8 = Work_Num1->L8;
              Work_Num->L1 = Work_Num1->L8;
              Work_Num->L2 = Work_Num1->L8;
              Work_Num->L3 = Work_Num1->L8;
              Work_Num->L4 = Work_Num1->L8;
              Work_Num->L5 = Work_Num1->L8;
              Work_Num->L6 = Work_Num1->L8;
              Work Num->L7 = Work Num1->L8;
              break;
   }
}
*************************
* 函数原型:
             void Flag_ALL(uint8_t work,_Work_Num_Flag *Work_Num,_Work_Num_Flag
*Work Num1)
 * 功
        能:
             同步功能,将所有工位的 flag 同步
* 输
        入: work 工位号 Work_Num 结构体,要用&号连接 Work_Num1:结构体,要
用&号连接
 * 参
            uint8_t work,_Work_Num_Flag *Work_Num,_Work_Num_Flag *Work_Num1
```

```
*************************
void Flag_ALL(uint8_t work,_Work_Num_Flag *Work_Num,_Work_Num_Flag *Work_Num1)
   switch(work)
       case 1: Work_Num->L1 = Work_Num1->L1;
               Work_Num->L2 = Work_Num1->L1;
               Work_Num->L3 = Work_Num1->L1;
               Work_Num->L4 = Work_Num1->L1;
               Work_Num->L5 = Work_Num1->L1;
               Work_Num->L6 = Work_Num1->L1;
               Work_Num->L7 = Work_Num1->L1;
               Work_Num->L8 = Work_Num1->L1;
               break;
       case 2:Work_Num->L2 = Work_Num1->L2;
               Work_Num->L1 = Work_Num1->L2;
               Work_Num->L3 = Work_Num1->L2;
               Work_Num->L4 = Work_Num1->L2;
               Work_Num->L5 = Work_Num1->L2;
               Work_Num->L6 = Work_Num1->L2;
               Work_Num->L7 = Work_Num1->L2;
               Work_Num->L8 = Work_Num1->L2;
               break;
       case 3:Work_Num->L3 = Work_Num1->L3;
               Work_Num->L1 = Work_Num1->L3;
               Work_Num->L2 = Work_Num1->L3;
               Work_Num->L4 = Work_Num1->L3;
               Work_Num->L5 = Work_Num1->L3;
               Work_Num->L6 = Work_Num1->L3;
               Work_Num->L7 = Work_Num1->L3;
               Work_Num->L8 = Work_Num1->L3;
               break;
       case 4:Work_Num->L4 = Work_Num1->L4;
               Work_Num->L1 = Work_Num1->L4;
               Work_Num->L2 = Work_Num1->L4;
               Work_Num->L3 = Work_Num1->L4;
               Work_Num->L5 = Work_Num1->L4;
               Work_Num->L6 = Work_Num1->L4;
               Work_Num->L7 = Work_Num1->L4;
               Work_Num->L8 = Work_Num1->L4;
               break:
       case 5:
               Work_Num->L5 = Work_Num1->L5;
               Work Num->L1 = Work Num1->L5;
               Work_Num->L2 = Work_Num1->L5;
               Work_Num->L3 = Work_Num1->L5;
               Work_Num->L4 = Work_Num1->L5;
               Work_Num->L6 = Work_Num1->L5;
               Work_Num->L7 = Work_Num1->L5;
```

Work\_Num->L8 = Work\_Num1->L5;

```
break;
      case 6:Work_Num->L6 = Work_Num1->L6;
             Work_Num->L1 = Work_Num1->L6;
             Work_Num->L2 = Work_Num1->L6;
             Work_Num->L3 = Work_Num1->L6;
             Work_Num->L4 = Work_Num1->L6;
             Work_Num->L5 = Work_Num1->L6;
             Work_Num->L7 = Work_Num1->L6;
             Work_Num->L8 = Work_Num1->L6;
             break;
      case 7:Work_Num->L7 = Work_Num1->L7;
             Work_Num->L1 = Work_Num1->L7;
             Work_Num->L2 = Work_Num1->L7;
             Work_Num->L3 = Work_Num1->L7;
             Work_Num->L4 = Work_Num1->L7;
             Work_Num->L5 = Work_Num1->L7;
             Work_Num->L6 = Work_Num1->L7;
             Work_Num->L8 = Work_Num1->L7;
             break:
      case 8:Work_Num->L8 = Work_Num1->L8;
             Work_Num->L1 = Work_Num1->L8;
             Work_Num->L2 = Work_Num1->L8;
             Work_Num->L3 = Work_Num1->L8;
             Work_Num->L4 = Work_Num1->L8;
             Work_Num->L5 = Work_Num1->L8;
             Work_Num->L6 = Work_Num1->L8;
             Work_Num->L7 = Work_Num1->L8;
             break:
   }
}
************************
    函数原型:
                          Set Speeds( Work Num *Work Num, Work Num
                      void
*Work_Num1,_Work_Num_ *Work_Num2)
* 功
       能: 判断设置速度数值是否改变
       入: Work Num 临时存储的速度,要用&号连接 Work Num1:设置的速度,要
用&号连接 Work_Num2: 要赋值的速度,要用&号连接
          数:
                _Work_Num_ *Work_Num,_Work_Num_ *Work_Num1,_Work_Num_
*Work Num2
*************************
void
     Set_Speeds(_Work_Num_
                          *Work_Num,_Work_Num_
                                               *Work_Num1,_Work_Num_
*Work Num2)
  if(Work_Num->L1 != Work_Num1->L1)
  {
      Work_Num2->L1 = Work_Num1->L1;
      if(Speed ADDMode.L1 != 0)//假如工位只有在启动并且设置了速度的情况下不等于
```

```
0,不在未处理模式下
         Speed_ADDMode.L1 = 0;//进入未处理,判断加速还是减速
  if(Work_Num->L2 != Work_Num1->L2)
     Work_Num2 -> L2 = Work_Num1 -> L2;
     if(Speed ADDMode.L2 != 0)//假如工位只有在启动并且设置了速度的情况下不等于
0,不在未处理模式下
            Speed_ADDMode.L2 = 0;//进入未处理,判断加速还是减速
  if(Work_Num->L3 != Work_Num1->L3)
      Work Num2->L3 = Work Num1->L3;
      if(Speed_ADDMode.L3!=0)//假如工位只有在启动并且设置了速度的情况下不等于
0,不在未处理模式下
         Speed_ADDMode.L3 = 0;//进入未处理,判断加速还是减速
  }
  if(Work_Num->L4 != Work_Num1->L4)
     Work Num2->L4 = Work Num1->L4;
     if(Speed_ADDMode.L4 != 0)//假如工位只有在启动并且设置了速度的情况下不等于
0,不在未处理模式下
            Speed_ADDMode.L4 = 0;//进入未处理,判断加速还是减速
  if(Work_Num->L5 != Work_Num1->L5)
     Work Num2->L5 = Work Num1->L5;
     if(Speed_ADDMode.L5 != 0)//假如工位只有在启动并且设置了速度的情况下不等于
0,不在未处理模式下
            Speed_ADDMode.L5 = 0;//进入未处理,判断加速还是减速
  }
  if(Work_Num->L6 != Work_Num1->L6)
      Work_Num2 -> L6 = Work_Num1 -> L6;
     if(Speed_ADDMode.L6 != 0)//假如工位只有在启动并且设置了速度的情况下不等于
0,不在未处理模式下
            Speed_ADDMode.L6 = 0;//进入未处理,判断加速还是减速
  if(Work_Num->L7 != Work_Num1->L7)
      Work_Num2->L7 = Work_Num1->L7;
      if(Speed ADDMode.L7!=0)//假如工位只有在启动并且设置了速度的情况下不等于
0,不在未处理模式下
            Speed_ADDMode.L7 = 0;//进入未处理,判断加速还是减速
  if(Work_Num->L8 != Work_Num1->L8)
     Work Num2->L8 = Work Num1->L8;
     if(Speed ADDMode.L8 != 0)//假如工位只有在启动并且设置了速度的情况下不等于
0,不在未处理模式下
```

```
Speed_ADDMode.L8 = 0;//进入未处理,判断加速还是减速
  }
}
*************************
* 函数原型:
                  void Set_Times(_Work_Num_long *Work_Num,_Work_Num_long
*Work_Num1,_Work_Num_long *Work_Num2)
       能: 判断设置时间数值是否改变
       入: Work_Num 临时存储的时间,要用&号连接 Work_Num1:设置的时间,要
用&号连接 Work_Num2: 要赋值的时间,要用&号连接
                    数: _Work_Num_long
                                              *Work_Num,_Work_Num_long
*Work Num1, Work Num long *Work Num2
*************************
*/
void
              Set_Times(_Work_Num_long
                                              *Work_Num,_Work_Num_long
*Work_Num1,_Work_Num_long *Work_Num2)
  if(Work_Num->L1 != Work_Num1->L1)
      Work_Num2->L1 = Work_Num1->L1;
     RelTime_State.L1 = SetTime_State.L1;//同步时间状态
     DownTime\_Over.L1 = 0;
  if(Work_Num->L2 != Work_Num1->L2)
  {
      Work_Num2 -> L2 = Work_Num1 -> L2;
     RelTime_State.L2 = SetTime_State.L2;//同步时间状态
     DownTime_Over.L2 = 0;
  if(Work_Num->L3 != Work_Num1->L3)
      Work_Num2->L3 = Work_Num1->L3;
      RelTime_State.L3 = SetTime_State.L3;//同步时间状态
     DownTime_Over.L3 = 0;
  }
  if(Work_Num->L4 != Work_Num1->L4)
      Work_Num2->L4 = Work_Num1->L4;
     RelTime_State.L4 = SetTime_State.L4;//同步时间状态
     DownTime_Over.L4 = 0;
  if(Work_Num->L5 != Work_Num1->L5)
      Work Num2->L5 = Work Num1->L5;
      RelTime_State.L5 = SetTime_State.L5;//同步时间状态
     DownTime_Over.L5 = 0;
  if(Work_Num->L6 != Work_Num1->L6)
```

```
Work_Num2 -> L6 = Work_Num1 -> L6;
     RelTime_State.L6 = SetTime_State.L6;//同步时间状态
     DownTime_Over.L6 = 0;
  if(Work_Num->L7 != Work_Num1->L7)
      Work_Num2->L7 = Work_Num1->L7;
     RelTime_State.L7 = SetTime_State.L7;//同步时间状态
     DownTime_Over.L7 = 0;
  if(Work_Num->L8 != Work_Num1->L8)
      Work Num2->L8 = Work Num1->L8;
     RelTime_State.L8 = SetTime_State.L8;//同步时间状态
     DownTime_Over.L8 = 0;
  }
}
#include "Show.h"
/********全局变量声明*****/
uint16_t Twinkle_Time;//闪烁时间
/********局部变量声明*****/
uint8_t seg15_Flag;//用于显示屏实际速度最后一位中间的斜杠个其他的相差太远
uint8_t Speed_ShowFlag,Temp_ShowFlag,Time_ShowFlag;//速度、温度、时间显示的标志位 0:
常亮 1: 熄灭
uint8_t Work_All_Time;//全部工位设置时闪烁的工位时间
uint8_t Run_Flag;//运行闪烁图标
*************************
  函数原型: void Check_ShowFlag(uint16_t dT)
  功
       能:
           闪烁检测
       入: dT:执行周期
       数:
           uint16 t dT
**********************
void Check_ShowFlag(uint16_t dT)
   if(Work All)//进入全家设置
      Work_All_Time = ~Work_All_Time;//选中工位下闪烁
   if(Run_Status)//运行时
      Run Flag = ~Run Flag;//运行时闪烁
   if(SetMode_Option == 0)//如果没在设置选项中,则都点亮,不闪烁
      Speed_ShowFlag = 0;//常亮
      Temp_ShowFlag = 0;//常亮
      Time_ShowFlag = 0;//常亮
```

```
Twinkle_Time = 0;//闪烁计时清零
       return;
   }
   if(Twinkle_Time && EC11A_Knob==0)//闪烁和没有操作旋钮时
       Twinkle_Time -= dT;//闪烁计时
       if(SetMode_Option == 1)//设置速度
          Speed_ShowFlag = ~Speed_ShowFlag;//速度闪烁
          Temp_ShowFlag = 0;//温度常亮
          Time_ShowFlag = 0;//时间常亮
       }
       else if(SetMode_Option == 2)//设置温度
          Speed_ShowFlag = 0;//速度常亮
          Temp_ShowFlag = ~Temp_ShowFlag;//温度闪烁
          Time_ShowFlag = 0;//时间常亮
       }
       else if(SetMode_Option == 3)//设置时间
          Speed_ShowFlag = 0;//速度常亮
          Temp_ShowFlag = 0;//温度常亮
          Time_ShowFlag = ~Time_ShowFlag;//时间闪烁
       if(Twinkle_Time == 0)//如果闪烁结束
          SetMode_Option = 0;//模式选择清零
       }
   }
}
*************************
  函数原型: void LCD_Light(short LCD_Status)
  功
           打开和关闭背光显示
       入: LCD_Status: 1、打开背光 0: 关闭背光
       数:
            short LCD_Status
**********************
void LCD_Light(short LCD_Status)
   switch(LCD_Status)
   {
       case 0:
          HAL_GPIO_WritePin(LED_KEY_GPIO_Port,
                                                         LED KEY Pin,
GPIO_PIN_SET);//拉高背光电平信号
          #if(Integration_TYPE == 0)//设置成四联时
           _HAL_TIM_SET_COMPARE(&htim4, TIM_CHANNEL_3, 0);//不输出 pwm
          #elif(Integration_TYPE == 1)//设置成六联时
          __HAL_TIM_SET_COMPARE(&htim4, TIM_CHANNEL_3, 0);//不输出 pwm
```

```
#elif(Integration_TYPE == 2)//设置成八联时
           __HAL_TIM_SET_COMPARE(&htim8, TIM_CHANNEL_1, 0);//不输出 pwm
           #endif
          break;
       case 1:
          HAL_GPIO_WritePin(LED_KEY_GPIO_Port,
                                                           LED_KEY_Pin,
GPIO_PIN_RESET);//拉低背光电平信号
          #if(Integration_TYPE == 0)//设置成四联时
           __HAL_TIM_SET_COMPARE(&htim4, TIM_CHANNEL_3, 15);//不输出 pwm
          #elif(Integration_TYPE == 1)//设置成六联时
           __HAL_TIM_SET_COMPARE(&htim4, TIM_CHANNEL_3, 7);//不输出 pwm
          #elif(Integration_TYPE == 2)//设置成八联时
           __HAL_TIM_SET_COMPARE(&htim8, TIM_CHANNEL_1, 15);//不输出 pwm
          #endif
          break;
   }
}
*********************
 * 函数原型: void Display_Speed_Lift(uint16_t Speed_L1,uint16_t Speed_L7)
 * 功
        能: 写最左边的设定速度
  输
        入: Speed_L1 左边最上面的速度 Speed_L7 左边最上面的速度
        数: uint16_t Speed_L1,uint16_t Speed_L7
*************************
void Display_Speed_Lift(uint16_t Speed_L1,uint16_t Speed_L3,uint16_t Speed_L5,uint16_t
Speed_L7)
{
   uint8_t seg21,seg22,seg23,seg24,seg25,seg26,seg27,seg28,seg29,seg30;
   seg21=0;seg22=0;seg23=0;seg24=0;seg25=0;seg26=0;seg27=0;seg28=0;seg29=0;seg30=0;
   uint8_t Val;//用于百十个取出来的数字
   /**********L1 千位*******/
   if(Speed L1 > 999)//大于 999 时
       seg21&=0x3f;seg21|=0x80;//显示 1
   }
   else//小于 999 时
   {
       seg21&=0x3f;seg21|=0xc0;//显示 0
   }
   /**************/ 百位*********/
   if(Speed L1 > 99)//大于 99 时
       Val=Speed_L1/100;//取出百位的数字
       if(Speed L1 > 999)//加入大于 999 时
           Val=Val%10://取出百位的数字
       switch(Val)
```

```
{
                                                                                                                                         case 0:seg23&=0xbf;seg22|=0xc0;seg23|=0x80;seg24|=0xc0;seg25|=0x80;//数字 0
                                                                                                                                                                                       break:
                                                                                                                                         case
1:seg22&=0x3f;seg23&=0x3f;seg24&=0x3f;seg25&=0x3f;seg24|=0x80;seg25|=0x80;//数字 1
                                                                                                                                                                                       break;
                                                                                                                                         case
2: seg 22 \& = 0 x 3 f; seg 23 \& = 0 x 3 f; seg 24 \& = 0 x 3 f; seg 25 \& = 0 x 3 f; seg 22 | = 0 x 4 0; seg 23 | = 0 x c 0; seg 24 | = 0 x c 0; seg 24 | = 0 x c 0; seg 25 \& = 0 x 3 f; seg 26 | = 0 x c 0; s
0;//数字2
                                                                                                                                                                                     break;
                                                                                                                                         case
3:seg22\&=0x3f;seg23\&=0x3f;seg24\&=0x3f;seg25\&=0x3f;seg23|=0x0;seg24|=0xc0;seg25|=0x8
0://数字3
                                                                                                                                                                                     break;
                                                                                                                                         case
4: seg 22 \& = 0x3f; seg 23 \& = 0x3f; seg 24 \& = 0x3f; seg 25 \& = 0x3f; seg 22 | = 0x80; seg 23 | = 0x40; seg 24 | = 0x80; seg 24 | = 0x80; seg 25 | = 0x80; seg 26 | = 0x80; s
0;seg25|=0x80;//数字 4
                                                                                                                                                                                     break;
                                                                                                                                         case
5: seg 22 \& = 0 x 3 f; seg 23 \& = 0 x 3 f; seg 24 \& = 0 x 3 f; seg 25 \& = 0 x 3 f; seg 22 | = 0 x 8 0; seg 23 | = 0 x c 0; seg 24 | = 0 x 4 c 0 x 3 f; seg 25 \& = 0 x 3 f; seg 25 \& = 0 x 3 f; seg 25 \& = 0 x 3 f; seg 26 | = 0 x 6 c 0 x 3 f; seg 26 | = 0 x 6 c 0 x 3 f; seg 26 | = 0 x 6 c 0 x 3 f; seg 26 | = 0 x 6 c 0 x 3 f; seg 26 | = 0 x 6 c 0 x 3 f; seg 26 | = 0 x 6 c 0 x 3 f; seg 26 | = 0 x 6 c 0 x 3 f; seg 26 | = 0 x 6 c 0 x 3 f; seg 26 | = 0 x 6 c 0 x 3 f; seg 26 | = 0 x 6 c 0 x 3 f; seg 26 | = 0 x 6 c 0 x 3 f; seg 26 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 x 6 c 0 x 3 f; seg 27 | = 0 
0;seg25|=0x80;//数字 5
                                                                                                                                                                                     break;
                                                                                                                                         case
6: seg 22 \& = 0 x 3 f; seg 23 \& = 0 x 3 f; seg 24 \& = 0 x 3 f; seg 25 \& = 0 x 3 f; seg 22 | = 0 x c 0; seg 24 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 0 x 4 | = 
0;seg25|=0x80;//数字 6
                                                                                                                                                                                     break;
                                                                                                                                         case
7: seg 22 \& = 0 x 3 f; seg 23 \& = 0 x 3 f; seg 24 \& = 0 x 3 f; seg 25 \& = 0 x 3 f; seg 22 | = 0 x 0 0; seg 23 | = 0 x 8 0; seg 24 | = 0 x 8 0 0; seg 24 | = 0 x 8 0 0; seg 25 \& = 0 x 3 0; seg 25 \& = 0 x 3 0; seg 26 | = 0 x 8 
0;seg25|=0x80;//数字7
                                                                                                                                                                                     break;
                                                                                                                                         case
8: seg 22 \& = 0x3f; seg 23 \& = 0x3f; seg 24 \& = 0x3f; seg 25 \& = 0x3f; seg 22 | = 0xc0; seg 23 | = 0xc0; seg 24 | = 0xc0; seg 24 | = 0xc0; seg 24 | = 0xc0; seg 25 | = 0xc0; seg 26 | = 0xc0; s
0;seg25|=0x80;//数字 8
                                                                                                                                                                                     break;
9:seg22&=0x3f;seg23&=0x3f;seg24&=0x3f;seg25&=0x3f;seg22|=0x80;seg23|=0xc0;seg24|=0xc
0;seg25|=0x80;//数字9
                                                                                                                                                                                     break:
                                                                                                                                         default:
                                                                                                                                                                                     break;
                                                                                           }
                                               }
                                             else
                                               {
                                                                                           seg23&=0xbf;seg22|=0xc0;seg23|=0x80;seg24|=0xc0;seg25|=0x80;//数字 0
                                             /**************/
                                             if(Speed_L1 > 9)//大于 9 时
                                               {
```

```
Val=Speed_L1/10;//取出十位的数字
                                                             if(Speed_L1 > 99)//大于 99 时
                                                                                             Val=Val%10;//取出十位的数字
                                                             switch(Val)
                                                             {
                                                                                             case 0:seg27&=0xbf;seg26|=0xc0;seg27|=0x80;seg28|=0xc0;seg29|=0x40;//数字 0
                                                                                                                           break;
                                                                                            case
1:seg26&=0x3f;seg27&=0x3f;seg28&=0x3f;seg29&=0x3f;seg28|=0x80;seg29|=0x40;//数字 1
                                                                                                                          break:
                                                                                            case
2:seg26&=0x3f;seg27&=0x3f;seg28&=0x3f;seg29&=0x3f;seg26|=0x40;seg27|=0xc0;seg28|=0xc
0://数字2
                                                                                                                          break;
                                                                                            case
3:seg26&=0x3f;seg27&=0x3f;seg28&=0x3f;seg29&=0x3f;seg27|=0xc0;seg28|=0xc0;seg29|=0x4
0://数字3
                                                                                                                          break;
                                                                                            case
4: seg 26 \& = 0x3f; seg 27 \& = 0x3f; seg 28 \& = 0x3f; seg 29 \& = 0x3f; seg 26 | = 0x80; seg 27 | = 0x40; seg 28 | = 0x80; seg 27 | = 0x40; seg 28 | = 0x80; seg 27 | = 0x40; seg 28 | = 0x80; seg 27 | = 0x40; seg 28 | = 0x80; seg 27 | = 0x40; seg 28 | = 0x80; seg 27 | = 0x40; seg 28 | = 0x80; seg 27 | = 0x40; seg 28 | = 0x80; seg 27 | = 0x40; seg 28 | = 0x80; seg 27 | = 0x40; seg 28 | = 0x80; s
0;seg29|=0x40;//数字 4
                                                                                                                          break;
                                                                                            case
5: seg 26 \& = 0x3f; seg 27 \& = 0x3f; seg 28 \& = 0x3f; seg 29 \& = 0x3f; seg 26 | = 0x80; seg 27 | = 0xc0; seg 28 | = 0x40; seg 27 | = 0x60; seg 28 | = 0x40; seg 28 | = 0x40; seg 29 | = 0x40; s
0;seg29|=0x40;//数字 5
                                                                                                                          break;
                                                                                            case
0;seg29|=0x40;//数字 6
                                                                                                                          break;
                                                                                            case
7: seg 26 \& = 0x3f; seg 27 \& = 0x3f; seg 28 \& = 0x3f; seg 29 \& = 0x3f; seg 26 | = 0x00; seg 27 | = 0x80; seg 28 | = 0x80; s
0;seg29=0x40;//数字 7
                                                                                                                          break;
8: seg 26 \& = 0x3f; seg 27 \& = 0x3f; seg 28 \& = 0x3f; seg 29 \& = 0x3f; seg 26 | = 0xc0; seg 27 | = 0xc0; seg 28 | = 0xc0; s
0;seg29|=0x40;//数字 8
                                                                                                                          break:
                                                                                            case
9:seg26&=0x3f;seg27&=0x3f;seg28&=0x3f;seg29&=0x3f;seg26|=0x80;seg27|=0xc0;seg28|=0xc
0;seg29|=0x40;//数字9
                                                                                                                          break:
                                                                                            default:
                                                                                                                          break;
                                                              }
                              }
                              else
                               {
                                                             seg27&=0xbf;seg26|=0xc0;seg27|=0x80;seg28|=0xc0;seg29|=0x40;//数字 0
                               }
```

```
/**************/
                   Val=Speed_L1%10;//取出个位的数字
                   if(Val > 4)//大于 4 时
                                       seg29&=0xef;seg30&=0x3f;seg29|=0x80;seg30|=0x80;//显示 5
                   else//小于 5 时
                    {
                                       seg29&=0xef;seg30&=0x3f;seg29|=0x00;seg30|=0xc0;//显示 0
                    }
                   /**************************/
                   if(Speed_L3 > 999)//大于 999 时
                   {
                                      seg21&=0xCf;seg21|=0x20;//显示 1
                   else//小于 999 时
                                       seg21|=0x30;//显示 0
                   /*********L3 个百位********/
                   if(Speed_L3 > 99)//大于 99 时
                                       Val=Speed_L3/100;//取出百位
                                       if(Speed_L3 > 999)//大于 999 时
                                                           Val=Val%10;//去除百位
                                       switch(Val)
                                        {
                                                           case 0:seg23&=0xef;seg22|=0x30;seg23|=0x20;seg24|=0x30;seg25|=0x20;//数字 0
                                                                              break;
                                                           case
1:seg22&=0xCf;seg23&=0xCf;seg24&=0xCf;seg25&=0xCf;seg24|=0x20;seg25|=0x20;//数字 1
                                                           case
2: seg 22 \&= 0 x C f; seg 23 \&= 0 x C f; seg 24 \&= 0 x C f; seg 25 \&= 0 x C f; seg 22 |= 0 x 10; seg 23 |= 0 x 30; seg 24 |= 0 x C f; seg 25 &= 0 x C f; seg 25 |= 0 x 10; seg 26 |= 0 x 10; s
30://数字 2
                                                                               break;
                                                           case
3:seg22&=0xCf;seg23&=0xCf;seg24&=0xCf;seg25&=0xCf;seg23|=0x30;seg24|=0x30;seg25|=0x
20;//数字3
                                                                               break;
                                                           case
4: seg 22\& = 0xCf; seg 23\& = 0xCf; seg 24\& = 0xCf; seg 25\& = 0xCf; seg 22| = 0x20; seg 23| = 0x10; seg 24| = 0xCf; seg 24| = 0xCf; seg 25| =
20;seg25|=0x20;//数字 4
                                                                               break;
                                                           case
5:seg22&=0xCf;seg23&=0xCf;seg24&=0xCf;seg25&=0xCf;seg22|=0x20;seg23|=0x30;seg24|=0x
```

```
10;seg25|=0x20;//数字 5
                                                                                                                                                             break;
                                                                                                                       case
6:seg22&=0xCf;seg23&=0xCf;seg24&=0xCf;seg25&=0xCf;seg22|=0x30;seg23|=0x30;seg24|=0x
10;seg25|=0x20;//数字 6
                                                                                                                                                             break;
                                                                                                                       case
7: seg 22\& = 0xCf; seg 23\& = 0xCf; seg 24\& = 0xCf; seg 25\& = 0xCf; seg 22| = 0x00; seg 23| = 0x20; seg 24| = 0xCf; seg 25\& =
20;seg25|=0x20;//数字7
                                                                                                                                                             break:
                                                                                                                       case
8: seg22\&=0xCf; seg23\&=0xCf; seg24\&=0xCf; seg25\&=0xCf; seg22|=0x30; seg23|=0x30; seg24|=0x30; 
30;seg25|=0x20;//数字 8
                                                                                                                                                             break;
                                                                                                                       case
9:seg22&=0xCf;seg23&=0xCf;seg24&=0xCf;seg25&=0xCf;seg22|=0x20;seg23|=0x30;seg24|=0x
30;seg25|=0x20;//数字9
                                                                                                                                                             break;
                                                                                                                       default:
                                                                                                                                                             break:
                                                                               }
                                       }
                                       else
                                         {
                                                                               seg23&=0xef;seg22|=0x30;seg23|=0x20;seg24|=0x30;seg25|=0x20;//数字 0
                                         }
                                       /*************************/
                                       if(Speed_L3 > 9)//大于 9 时
                                                                               Val=Speed_L3/10;//取出十位
                                                                               if(Speed L3 > 99)//大于 99 时
                                                                                                                        Val=Val%10;//取出十位
                                                                               switch(Val)
                                                                                                                       case 0:seg27&=0xef;seg26|=0x30;seg27|=0x20;seg28|=0x30;seg29|=0x10;//数字 0
                                                                                                                                                             break;
                                                                                                                       case
 1:seg26&=0xCf;seg27&=0xCf;seg28&=0xCf;seg29&=0xCf;seg29|=0x20;seg29|=0x10;//数字 1
                                                                                                                                                             break;
                                                                                                                       case
2: seg 26 \&= 0 x C f; seg 27 \&= 0 x C f; seg 28 \&= 0 x C f; seg 29 \&= 0 x C f; seg 26 |= 0 x 10; seg 27 |= 0 x 30; seg 28 |= 0 x C f; seg 29 &= 0 x C f; seg 26 |= 0 x 10; seg 27 |= 0 x 30; seg 28 |= 0 x C f; seg 29 &= 0 
30://数字 2
                                                                                                                                                               break;
                                                                                                                       case
3: seg 26 \& = 0 x Cf; seg 27 \& = 0 x Cf; seg 28 \& = 0 x Cf; seg 29 \& = 0 x Cf; seg 27 | = 0 x 30; seg 28 | = 0 x 30; seg 29 |
 10;//数字3
                                                                                                                                                               break;
                                                                                                                       case
4: seg 26 \&= 0xCf; seg 27 \&= 0xCf; seg 28 \&= 0xCf; seg 29 \&= 0xCf; seg 26 |= 0x20; seg 27 |= 0x10; seg 28 |= 0xCf; seg 28 |=
```

```
20;seg29|=0x10;//数字 4
                                                                                                                                                                                         break;
                                                                                                                                            case
5: seg 26 \& = 0 x C f; seg 27 \& = 0 x C f; seg 28 \& = 0 x C f; seg 29 \& = 0 x C f; seg 26 | = 0 x 20; seg 27 | = 0 x 30; seg 28 | = 0 x C f; seg 29 \& = 0 x C f; seg
10;seg29|=0x10;//数字 5
                                                                                                                                                                                         break;
                                                                                                                                            case
6: seg 26 \&= 0xCf; seg 27 \&= 0xCf; seg 28 \&= 0xCf; seg 29 \&= 0xCf; seg 26 |= 0x30; seg 27 |= 0x30; seg 28 |= 0xCf; seg 28 |=
10;seg29|=0x10;//数字 6
                                                                                                                                                                                         break:
                                                                                                                                            case
7: seg 26 \& = 0 x C f; seg 27 \& = 0 x C f; seg 28 \& = 0 x C f; seg 29 \& = 0 x C f; seg 26 | = 0 x 0 0; seg 27 | = 0 x 20; seg 28 | = 0 x C f; seg 29 \& = 0 x C f; se
20;seg29|=0x10;//数字7
                                                                                                                                                                                         break;
                                                                                                                                            case
8: seg 26 \& = 0 x C f; seg 27 \& = 0 x C f; seg 28 \& = 0 x C f; seg 29 \& = 0 x C f; seg 26 | = 0 x 30; seg 27 | = 0 x 30; seg 28 | = 0 x C f; seg 29 \& = 0 x C f; seg
30;seg29|=0x10;//数字 8
                                                                                                                                                                                         break;
                                                                                                                                            case
9: seg 26 \& = 0 x Cf; seg 27 \& = 0 x Cf; seg 28 \& = 0 x Cf; seg 29 \& = 0 x Cf; seg 26 | = 0 x 20; seg 27 | = 0 x 30; seg 28 | = 0 x Cf; seg 29 \& = 0 x Cf; seg 29 \&
30;seg29|=0x10;//数字9
                                                                                                                                                                                         break;
                                                                                                                                            default:
                                                                                                                                                                                         break;
                                                                                             }
                                              }
                                              else
                                              {
                                                                                             seg27&=0xef;seg26|=0x30;seg27|=0x20;seg28|=0x30;seg29|=0x10;//数字 0
                                              }
                                              /************L3 个位*********/
                                                Val=Speed_L3%10;//去除十位
                                              if(Val > 4)//大于 4 时
                                                {
                                                                                             seg29&=0xdf;seg30&=0xcf;seg29|=0x20;seg30|=0x20;//显示 5
                                              }
                                             else
                                              {
                                                                                             seg29&=0xdf;seg30&=0xcf;seg29|=0x00;seg30|=0x30;//显示 0
                                    /**********L5 千位********/
                                              if(Speed_L5 > 999)//大于 999 时
                                                                                             seg21|=0x08;seg21&=0xfb;//显示 1
                                             else//小于 999 时
                                                                                             seg21|=0x0c;//显示 0
```

```
}
                                                             /*********L5 百位*******/
                                                           if(Speed_L5 > 99)//大于 99 时
                                                                                                                      Val=Speed_L5/100;//取出百位
                                                                                                                      if(Speed_L5 > 999)//大于 999 时
                                                                                                                                                                                   Val=Val%10;//去除百位
                                                                                                                      switch(Val)
                                                                                                                                                                                 case 0:seg23&=0xfb;seg22|=0x0c;seg23|=0x08;seg24|=0x0c;seg25|=0x08;//数字 0
                                                                                                                                                                                                                                            break;
                                                                                                                                                                                 case
  1:seg22&=0xf3;seg23&=0xf3;seg24&=0xf3;seg25&=0xf3;seg24|=0x08;seg25|=0x08;//数字 1
                                                                                                                                                                                                                                            break;
                                                                                                                                                                                 case
2: seg 22 \& = 0xf3; seg 23 \& = 0xf3; seg 24 \& = 0xf3; seg 25 \& = 0xf3; seg 22 | = 0x04; seg 23 | = 0x0c; seg 24 | = 0x0c; s
c://数字2
                                                                                                                                                                                                                                          break;
                                                                                                                                                                               case
3:seg22\&=0xf3;seg23\&=0xf3;seg24\&=0xf3;seg25\&=0xf3;seg23|=0x0c;seg24|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;seg25|=0x0c;se
8://数字3
                                                                                                                                                                                                                                            break;
                                                                                                                                                                               case
4: seg 22 \& = 0xf3; seg 23 \& = 0xf3; seg 24 \& = 0xf3; seg 25 \& = 0xf3; seg 22 | = 0x08; seg 23 | = 0x04; seg 24 | = 0x08; seg 24 | = 0x08; seg 25 | = 0x04; seg 26 | = 0x08; seg 26 | = 0x04; seg 26 | = 0x08; s
8;seg25|=0x08;//数字 4
                                                                                                                                                                                                                                          break;
                                                                                                                                                                                 case
5: seg 22\& = 0xf3; seg 23\& = 0xf3; seg 24\& = 0xf3; seg 25\& = 0xf3; seg 22| = 0x08; seg 23| = 0x0c; seg 24| =
4;seg25|=0x08;//数字5
                                                                                                                                                                                                                                          break:
6: seg 22 \& = 0xf3; seg 23 \& = 0xf3; seg 24 \& = 0xf3; seg 25 \& = 0xf3; seg 22 | = 0x0c; seg 23 | = 0x0c; seg 24 | = 0x0c; seg 24 | = 0x0c; seg 25 | = 0x0c; seg 26 | = 0x0c; s
4;seg25|=0x08;//数字 6
                                                                                                                                                                                                                                          break:
                                                                                                                                                                                 case
7: seg 22 \& = 0xf3; seg 23 \& = 0xf3; seg 24 \& = 0xf3; seg 25 \& = 0xf3; seg 22 | = 0x00; seg 23 | = 0x08; seg 24 | = 0x00; seg 24 | = 0x00; seg 25 | = 0x00; seg 26 | = 0x00; s
8;seg25|=0x08;//数字7
                                                                                                                                                                                                                                          break;
8: seg 22 \& = 0xf3; seg 23 \& = 0xf3; seg 24 \& = 0xf3; seg 25 \& = 0xf3; seg 22 | = 0x0c; seg 23 | = 0x0c; seg 24 | = 0x0c; seg 24 | = 0x0c; seg 25 | = 0x0c; seg 26 | = 0x0c; s
c;seg25|=0x08;//数字8
                                                                                                                                                                                                                                          break;
                                                                                                                                                                                 case
9:seg22\&=0xf3;seg23\&=0xf3;seg24\&=0xf3;seg25\&=0xf3;seg22|=0x08;seg23|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;seg24|=0x0c;se
c;seg25|=0x08;//数字9
                                                                                                                                                                                                                                          break;
                                                                                                                                                                                 default:
                                                                                                                                                                                                                                          break;
                                                                                                                          }
```

```
}
                                                  else
                                                    {
                                                                                                     seg23&=0xfb;seg22|=0x0c;seg23|=0x08;seg24|=0x0c;seg25|=0x08;//数字 0
                                                    }
                                                    /***********/
                                                  if(Speed_L5 > 9)//大于 9 时
                                                                                                     Val=Speed_L5/10;//取出十位
                                                                                                     if(Speed_L5 > 99)//大于 99 时
                                                                                                                                                         Val=Val%10;//取出十位
                                                                                                     switch(Val)
                                                                                                                                                       case 0:seg27&=0xfb;seg26|=0x0c;seg27|=0x08;seg28|=0x0c;seg29|=0x04;//数字 0
                                                                                                                                                                                                        break;
                                                                                                                                                       case
 1:seg26&=0xf3;seg27&=0xf3;seg28&=0xf3;seg29&=0xf3;seg28|=0x08;seg29|=0x04;//数字 1
                                                                                                                                                                                                          break;
                                                                                                                                                      case
2: seg 26 \& = 0xf3; seg 27 \& = 0xf3; seg 28 \& = 0xf3; seg 29 \& = 0xf3; seg 26 | = 0x04; seg 27 | = 0x0c; seg 28 | = 0x0c; s
c://数字2
                                                                                                                                                                                                          break;
                                                                                                                                                      case
3: seg 26 \& = 0xf3; seg 27 \& = 0xf3; seg 28 \& = 0xf3; seg 29 \& = 0xf3; seg 27 | = 0x0c; seg 28 | = 0x0c; seg 29 | = 0x0c; s
4://数字3
                                                                                                                                                                                                        break;
                                                                                                                                                      case
4: seg 26 \& = 0xf3; seg 27 \& = 0xf3; seg 28 \& = 0xf3; seg 29 \& = 0xf3; seg 26 | = 0x08; seg 27 | = 0x04; seg 28 | = 0x04; s
8;seg29|=0x04;//数字 4
                                                                                                                                                                                                        break:
5: seg 26 \& = 0xf3; seg 27 \& = 0xf3; seg 28 \& = 0xf3; seg 29 \& = 0xf3; seg 26 | = 0x08; seg 27 | = 0x0c; seg 28 | = 0x00c; seg 28 | = 0x
4;seg29|=0x04;//数字5
                                                                                                                                                                                                        break:
                                                                                                                                                      case
6: seg 26 \& = 0xf3; seg 27 \& = 0xf3; seg 28 \& = 0xf3; seg 29 \& = 0xf3; seg 26 | = 0x0c; seg 27 | = 0x0c; seg 28 | = 0x0c; s
4;seg29|=0x04;//数字 6
                                                                                                                                                                                                        break;
7: seg 26 \& = 0xf3; seg 27 \& = 0xf3; seg 28 \& = 0xf3; seg 29 \& = 0xf3; seg 26 | = 0x00; seg 27 | = 0x08; seg 28 | = 0x00; seg 27 | = 0x00; seg 28 | = 0x00; s
8;seg29|=0x04;//数字7
                                                                                                                                                                                                        break;
                                                                                                                                                       case
8: seg 26 \& = 0xf3; seg 27 \& = 0xf3; seg 28 \& = 0xf3; seg 29 \& = 0xf3; seg 26 | = 0x0c; seg 27 | = 0x0c; seg 28 | = 0x0c; s
c;seg29|=0x04;//数字 8
                                                                                                                                                                                                        break;
9:seg26\&=0xf3;seg27\&=0xf3;seg28\&=0xf3;seg29\&=0xf3;seg26|=0x08;seg27|=0x0c;seg28|=0x0
c;seg29=0x04;//数字9
```

```
break;
                                                                     default:
                                                                                           break;
                                              }
                       }
                       else
                       {
                                              seg27&=0xfb;seg26|=0x0c;seg27|=0x08;seg28|=0x0c;seg29|=0x04;//数字 0
                       /*************************/
                       Val=Speed_L5%10;//去除十位
                       if(Val > 4)//大于 4 时
                                              seg29&=0xf7;seg30&=0xf3;seg29|=0x08;seg30|=0x08;//显示 5
                       }
                       else
                                              seg29&=0xf7;seg30&=0xf3;seg29|=0x00;seg30|=0x0c;//显示 0
                       /*********L7 千位*******/
                       if(Speed_L7 > 999)//大于 999 时
                                              seg21&=0xfe;seg21|=0x02;//显示 1
                       else//小于 999 时
                       {
                                              seg21|=0x03;//显示 0
                       /**************************/
                       if(Speed_L7 > 99)//大于 99 时
                                              Val=Speed_L7/100;//取出百位
                                             if(Speed_L7 > 999)//大于 999 时
                                                                     Val=Val%10;//去除百位
                                              switch(Val)
                                              {
                                                                     case 0:seg23&=0xfe;seg22|=0x03;seg23|=0x02;seg24|=0x03;seg25|=0x02;//数字 0
                                                                     case
1:seg22&=0xfc;seg23&=0xfc;seg24&=0xfc;seg25&=0xfc;seg24|=0x02;seg25|=0x02;//数字 1
                                                                     case
2: seg 22 \& = 0 xfc; seg 23 \& = 0 xfc; seg 24 \& = 0 xfc; seg 25 \& = 0 xfc; seg 22 | = 0 x 01; seg 23 | = 0 x 03; seg 24 | = 0 x 03; seg 24 | = 0 x 03; seg 24 | = 0 x 03; seg 25 \& = 0 x 02; seg 25 \& = 0
;//数字2
                                                                                            break;
                                                                     case
3: seg 22 \& = 0 xfc; seg 23 \& = 0 xfc; seg 24 \& = 0 xfc; seg 25 \& = 0 xfc; seg 23 | = 0 x 03; seg 24 | = 0 x 03; seg 25 | = 0 x 02; seg 25 | = 0 x 02; seg 26 | = 0
```

```
;//数字3
                                                                                                                                                                                        break;
                                                                                                                                           case
4: seg 22\& = 0xfc; seg 23\& = 0xfc; seg 24\& = 0xfc; seg 25\& = 0xfc; seg 22| = 0x02; seg 23| = 0x01; seg 24| = 0x02; seg 24| =
;seg25|=0x02;//数字 4
                                                                                                                                                                                        break;
                                                                                                                                           case
5: seg 22 \& = 0xfc; seg 23 \& = 0xfc; seg 24 \& = 0xfc; seg 25 \& = 0xfc; seg 22 | = 0x02; seg 23 | = 0x03; seg 24 | = 0x01 | = 0x02; seg 24 | = 0x02; seg 25 | = 0x02; seg 26 | 
;seg25|=0x02;//数字5
                                                                                                                                                                                        break;
                                                                                                                                           case
6: seg 22 \& = 0xfc; seg 23 \& = 0xfc; seg 24 \& = 0xfc; seg 25 \& = 0xfc; seg 22 | = 0x03; seg 23 | = 0x03; seg 24 | = 0x01 | = 0x
;seg25|=0x02;//数字 6
                                                                                                                                                                                        break;
                                                                                                                                           case
7:seg22\&=0xfc;seg23\&=0xfc;seg24\&=0xfc;seg25\&=0xfc;seg22|=0x00;seg23|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;seg24|=0x02;se
;seg25|=0x02;//数字7
                                                                                                                                                                                        break;
                                                                                                                                           case
8: seg 22\& = 0xfc; seg 23\& = 0xfc; seg 24\& = 0xfc; seg 25\& = 0xfc; seg 22| = 0x03; seg 23| = 0x03; seg 24| = 0x04; seg 24| =
;seg25|=0x02;//数字 8
                                                                                                                                                                                        break;
                                                                                                                                           case
9: seg 22 \& = 0 xfc; seg 23 \& = 0 xfc; seg 24 \& = 0 xfc; seg 25 \& = 0 xfc; seg 22 | = 0 x 02; seg 23 | = 0 x 03; seg 24 | = 0 x 03; seg 24 | = 0 x 03; seg 24 | = 0 x 03; seg 25 \& = 0 x 02; seg 25 | = 0 x 02; seg 26 | = 0
;seg25|=0x02;//数字9
                                                                                                                                                                                        break;
                                                                                                                                           default:
                                                                                                                                                                                        break;
                                              }
                                              else
                                                {
                                                                                             seg23&=0xfe;seg22|=0x03;seg23|=0x02;seg24|=0x03;seg25|=0x02;//数字 0
                                                }
                                              if(Speed_L7 > 9)//大于 9 时
                                                                                             Val=Speed_L7/10;//取出十位
                                                                                             if(Speed_L7 > 99)//大于 99 时
                                                                                                                                             Val=Val%10;//取出十位
                                                                                             switch(Val)
                                                                                                                                           case 0:seg27&=0xfe;seg26|=0x03;seg27|=0x02;seg28|=0x03;seg29|=0x01;//数字 0
                                                                                                                                                                                        break:
 1:seg26&=0xfc;seg27&=0xfc;seg28&=0xfc;seg29&=0xfc;seg28|=0x02;seg29|=0x01;//数字 1
                                                                                                                                                                                        break;
                                                                                                                                           case
2:seg26&=0xfc;seg27&=0xfc;seg28&=0xfc;seg29&=0xfc;seg26|=0x01;seg27|=0x03;seg28|=0x03
```

```
;//数字2
                                                                                                                                                                                                        break;
                                                                                                                                                       case
3: seg 26 \& = 0xfc; seg 27 \& = 0xfc; seg 28 \& = 0xfc; seg 29 \& = 0xfc; seg 27 | = 0x03; seg 28 | = 0x03; seg 29 | = 0x01
;//数字3
                                                                                                                                                                                                        break;
                                                                                                                                                       case
4: seg 26 \& = 0 xfc; seg 27 \& = 0 xfc; seg 28 \& = 0 xfc; seg 29 \& = 0 xfc; seg 26 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 27 | = 0 x 01; seg 28 | = 0 x 02; seg 28 | = 0
;seg29|=0x01;//数字 4
                                                                                                                                                                                                        break;
                                                                                                                                                       case
5: seg 26 \& = 0xfc; seg 27 \& = 0xfc; seg 28 \& = 0xfc; seg 29 \& = 0xfc; seg 26 | = 0x02; seg 27 | = 0x03; seg 28 | = 0x01 | = 0x02; seg 27 | = 0x03; seg 28 | = 0x01 | = 0x02; seg 28 | = 0x02; seg 29 | = 0x02; 
;seg29|=0x01;//数字5
                                                                                                                                                                                                        break;
                                                                                                                                                       case
6: seg 26 \& = 0xfc; seg 27 \& = 0xfc; seg 28 \& = 0xfc; seg 29 \& = 0xfc; seg 26 | = 0x03; seg 27 | = 0x03; seg 28 | = 0x01 | = 0x03; seg 28 | = 0x01 | = 0x03; seg 28 | = 0x03; 
;seg29 = 0x01;//数字6
                                                                                                                                                                                                        break;
                                                                                                                                                       case
7: seg 26 \& = 0 xfc; seg 27 \& = 0 xfc; seg 28 \& = 0 xfc; seg 29 \& = 0 xfc; seg 26 | = 0 x 00; seg 27 | = 0 x 02; seg 28 | = 0
;seg29|=0x01;//数字7
                                                                                                                                                                                                        break;
                                                                                                                                                       case
8: seg 26 \& = 0 xfc; seg 27 \& = 0 xfc; seg 28 \& = 0 xfc; seg 29 \& = 0 xfc; seg 26 | = 0 x 03; seg 27 | = 0 x 03; seg 28 | = 0
;seg29|=0x01;//数字8
                                                                                                                                                                                                        break;
                                                                                                                                                       case
9: seg 26 \& = 0 xfc; seg 27 \& = 0 xfc; seg 28 \& = 0 xfc; seg 29 \& = 0 xfc; seg 26 | = 0 x 02; seg 27 | = 0 x 03; seg 28 | = 0
;seg29|=0x01;//数字9
                                                                                                                                                                                                        break;
                                                                                                                                                       default:
                                                                                                                                                                                                        break:
                                                                                                     }
                                                  }
                                                  else
                                                    {
                                                                                                     seg27&=0xfe;seg26|=0x03;seg27|=0x02;seg28|=0x03;seg29|=0x01;//数字 0
                                                    /**********L7 个位********/
                                                    Val=Speed_L7%10;//去除十位
                                                  if(Val > 4)//大于 4 时
                                                    {
                                                                                                     seg29&=0xfd;seg30&=0xfc;seg29|=0x02;seg30|=0x02;//显示 5
                                                    }
                                                  else
                                                    {
                                                                                                     seg29&=0xfd;seg30&=0xfc;seg29|=0x00;seg30|=0x03;//显示 0
```

}

```
if(Work_All)//在全局设置时
       seg25&=0xAA;seg25|=0x55;//L1 和 L3 和 L5 和 L7 下面的下划线
       if(Work_All_Time)//选中工位 1 和熄灭下划线时
            switch(Work_Option)
            {
               case 1:seg25&=0xAA;seg25|=0x15;//L1 下划线熄灭
                   break;
               case 3:seg25&=0xAA;seg25|=0x45;//L3 下划线熄灭
                   break;
               case 5:seg25&=0xAA;seg25|=0x51;//L5 下划线熄灭
                   break;
               case 7:seg25&=0xAA;seg25|=0x54;//L7 下划线熄灭
                   break;
               default:seg25&=0xAA;seg25|=0x55;//全部亮
                   break:
            }
       }
   }
   else
       switch(Work_Option)//工位号选择
           case 1:seg25&=0xAA;seg25|=0x40;//显示 L1 下面的下划线
               break:
           case 3:seg25&=0xAA;seg25|=0x10;//显示 L3 下面的下划线
               break;
           case 5:seg25&=0xAA;seg25|=0x04;//显示 L5 下面的下划线
               break;
           case 7:seg25&=0xAA;seg25|=0x01;//显示 L7 下面的下划线
               break:
           default:
               break;
        }
   }
   #if(Integration_TYPE == 0)//设置为四联时 L3 和 L5 不显示
seg21&=0xC3;seg22&=0xC3;seg23&=0xC3;seg24&=0xC3;seg25&=0xC3;seg26&=0xC3;seg27
&=0xC3;seg28&=0xC3;seg29&=0xC3;seg30&=0xC3;
   #elif(Integration_TYPE == 1)//设置为六联时 L7 不显示
seg21&=0xFC;seg22&=0xFC;seg23&=0xFC;seg24&=0xFC;seg25&=0xFC;seg26&=0xFC;seg27
&=0xFC;seg28&=0xFC;seg29&=0xFC;seg30&=0xFC;
   #endif
   Write_Addr_Dat_N(40, seg21,1);
   Write_Addr_Dat_N(42, seg22,1);
    Write_Addr_Dat_N(44, seg23,1);
```

```
Write_Addr_Dat_N(46, seg24,1);
          Write_Addr_Dat_N(48, seg25,1);
          Write_Addr_Dat_N(50, seg26,1);
          Write_Addr_Dat_N(52, seg27,1);
          Write_Addr_Dat_N(54, seg28,1);
          Write_Addr_Dat_N(56, seg29,1);
          Write_Addr_Dat_N(58, seg30,1);
}
*************************
                                   void Display_Speed_Right(uint16_t Speed_L2,uint16_t Speed_L8)
   * 函数原型:
      功
                       能:
                                   写最右边的设定速度
       输
                       入: Speed_L2 右边最上面的速度 Speed_L8 右边最上面的速度
                       数:
                                    uint16_t Speed_L2,uint16_t Speed_L8
**********************
void Display_Speed_Right(uint16_t Speed_L2,uint16_t Speed_L4,uint16_t Speed_L6,uint16_t
Speed_L8)
{
          uint8\_t\ seg1,seg2,seg3,seg4,seg5,seg6,seg7,seg8,seg9,seg10;
          seg1=0; seg2=0; seg3=0; seg4=0; seg5=0; seg6=0; seg7=0; seg8=0; seg9=0; seg10=0;
          uint8_t Val;//用于百十个取出来的数字
          /**************************/
          if(Speed_L2 > 999)//大于 999 时
                    seg2&=0xdf;seg1|=0x80;//显示 1
           }
          else//小于 999 时
           {
                     seg1|=0xc0;//显示 0
           }
          /*********L2 百位*******/
          if(Speed_L2 > 99)//大于 99 时
                     Val=Speed_L2/100;//取出百位
                     if(Speed_L2 > 999)//大于 999 时
                                Val=Val%10;//去除百位
                     switch(Val)
                               case \ 0:seg2 \&=0x3f; seg3 \&=0xbf; seg2 |=0xc0; seg3 |=0x80; seg4 |=0xc0; seg5 |=0x80; // 20x + 20x 
数字0
                                          break;
                               case
1:seg2&=0x3f;seg3&=0x3f;seg4&=0x3f;seg5&=0x3f;seg4|=0x80;seg5|=0x80;//数字 1
                                          break;
                               case
```

```
2:seg2&=0x3f;seg3&=0x3f;seg4&=0x3f;seg5&=0x3f;seg2|=0x40;seg3|=0xc0;seg4|=0xc0;// 数 字
2
                                                                                                                                                                                                   break;
                                                                                                                                                  case
3:seg2&=0x3f;seg3&=0x3f;seg4&=0x3f;seg5&=0x3f;seg3|=0xc0;seg4|=0xc0;seg5|=0x80;// 数 字
                                                                                                                                                                                                  break;
                                                                                                                                                 case
4:seg2\&=0x3f;seg3\&=0x3f;seg4\&=0x3f;seg5\&=0x3f;seg2|=0x80;seg3|=0x40;seg4|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0
0x80;//数字4
                                                                                                                                                                                                  break;
                                                                                                                                                  case
5: seg 2 \&= 0x3f; seg 3 \&= 0x3f; seg 4 \&= 0x3f; seg 5 \&= 0x3f; seg 2 |= 0x80; seg 3 |= 0xc0; seg 4 |= 0x40; seg 5 |= 0x40; s
0x80;//数字5
                                                                                                                                                                                                  break;
                                                                                                                                                  case
6: seg 2 \&= 0x3f; seg 3 \&= 0x3f; seg 4 \&= 0x3f; seg 5 \&= 0x3f; seg 2 |= 0xc0; seg 3 |= 0xc0; seg 4 |= 0x40; seg 5 |= 0x60; s
x80;//数字 6
                                                                                                                                                                                                  break;
                                                                                                                                                 case
7:seg2\&=0x3f;seg3\&=0x3f;seg4\&=0x3f;seg5\&=0x3f;seg2|=0x00;seg3|=0x80;seg4|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0x80;seg5|=0
0x80;//数字7
                                                                                                                                                                                                  break;
                                                                                                                                                 case
8: seg 2 \&= 0 x 3 f; seg 3 \&= 0 x 3 f; seg 4 \&= 0 x 3 f; seg 5 \&= 0 x 3 f; seg 2 |= 0 x c 0; seg 3 |= 0 x c 0; seg 4 |= 0 x c 0; seg 5 |= 0 x c 0; seg 5 |= 0 x c 0; seg 6 |= 0 x c 0; seg 7 |= 0 x c 0; seg 7 |= 0 x c 0; seg 8 |= 0 x c 0; seg 9 |
x80;//数字8
                                                                                                                                                                                                  break;
                                                                                                                                                 case
9:seg2\&=0x3f;seg3\&=0x3f;seg4\&=0x3f;seg5\&=0x3f;seg2|=0x80;seg3|=0xc0;seg4|=0xc0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0xe0;seg5|=0
x80;//数字9
                                                                                                                                                                                                  break;
                                                                                                                                                  default:
                                                                                                                                                                                                  break;
                                                                                                 }
                                                  }
                                               else
                                                  {
                                                                                                 seg3&=0xbf;seg2|=0xc0;seg3|=0x80;seg4|=0xc0;seg5|=0x80;//数字 0
                                                  }
                                                /**********L2 十位********/
                                                if(Speed_L2 > 9)//大于9时
                                                  {
                                                                                                 Val=Speed_L2/10;//取出十位
                                                                                                if(Speed_L2 > 99)//大于 99 时
                                                                                                                                                  Val=Val%10;//取出十位
                                                                                                switch(Val)
                                                                                                                                                  case 0:seg7&=0xbf;seg6|=0xc0;seg7|=0x80;seg8|=0xc0;seg9|=0x40;//数字 0
                                                                                                                                                                                                  break;
```

```
case
1:seg6&=0x3f;seg7&=0x3f;seg8&=0x3f;seg9&=0x3f;seg8|=0x80;seg9|=0x40;//数字 1
                                                                                                                                                                                                                               break;
                                                                                                                                                                       case
2:seg6&=0x3f;seg7&=0x3f;seg8&=0x3f;seg9&=0x3f;seg6|=0x40;seg7|=0xc0;seg8|=0xc0;// 数 字
                                                                                                                                                                                                                             break;
                                                                                                                                                                       case
3:seg6&=0x3f;seg7&=0x3f;seg8&=0x3f;seg9&=0x3f;seg7|=0xc0;seg8|=0xc0;seg9|=0x40;// 数 字
3
                                                                                                                                                                                                                             break;
                                                                                                                                                                       case
4: seg6 \& = 0x3f; seg7 \& = 0x3f; seg8 \& = 0x3f; seg9 \& = 0x3f; seg6 | = 0x80; seg7 | = 0x40; seg8 | = 0x80; seg9 | = 0x80; s
0x40;//数字4
                                                                                                                                                                                                                             break;
                                                                                                                                                                       case
5: seg 6 \& = 0 \times 3 \\ f; seg 7 \& = 0 \times 3 \\ f; seg 8 \& = 0 \times 3 \\ f; seg 9 \& = 0 \times 3 \\ f; seg 6 \\ | = 0 \times 80 \\ ; seg 7 \\ | = 0 \times 60 \\ ; seg 8 \\ | = 0 \times 40 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; seg 9 \\ | = 0 \times 60 \\ ; se
0x40;//数字5
                                                                                                                                                                                                                             break;
                                                                                                                                                                       case
6: seg 6 \& = 0 x 3 f; seg 7 \& = 0 x 3 f; seg 8 \& = 0 x 3 f; seg 9 \& = 0 x 3 f; seg 6 | = 0 x c 0; seg 7 | = 0 x c 0; seg 8 | = 0 x 4 0; seg 9 | = 0 x c 0; seg 7 | = 0 x c 0; seg 8 | = 0 x 4 0; seg 9 | = 0 x c 0; seg 7 | = 0 x c 0; seg 8 | = 0 x 4 0; seg 9 | = 0 x c 0; seg 8 | = 0 x 4 0; seg 9 | = 0 x c 0; seg 8 | = 0 x 6 0; seg 8 | 
x40;//数字6
                                                                                                                                                                                                                             break;
                                                                                                                                                                     case
7: seg 6 \& = 0 \times 3 \\ f; seg 7 \& = 0 \times 3 \\ f; seg 8 \& = 0 \times 3 \\ f; seg 9 \& = 0 \times 3 \\ f; seg 6 \\ | = 0 \times 0 \\ 0; seg 7 \\ | = 0 \times 8 \\ 0; seg 8 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ | = 0 \times 8 \\ 0; seg 9 \\ 0; seg 9
0x40;//数字7
                                                                                                                                                                                                                             break;
                                                                                                                                                                     case
8: seg 6 \& = 0x3f; seg 7 \& = 0x3f; seg 8 \& = 0x3f; seg 9 \& = 0x3f; seg 6 | = 0xc0; seg 7 | = 0xc0; seg 8 | = 0xc0; seg 9 | =
x40;//数字8
                                                                                                                                                                                                                             break;
                                                                                                                                                                     case
9: \sec 6 \& = 0 \times 3 \\ f; \sec 7 \& = 0 \times 3 \\ f; \sec 8 \& = 0 \times 3 \\ f; \sec 9 \& = 0 \times 3 \\ f; \sec 6 \\ | = 0 \times 80 \\ ; \sec 7 \\ | = 0 \times 60 \\ ; \sec 8 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 \times 60 \\ ; \sec 9 \\ | = 0 
x40;//数字9
                                                                                                                                                                                                                               break:
                                                                                                                                                                       default:
                                                                                                                                                                                                                               break;
                                                                                                                 }
                                                         }
                                                     else
                                                         {
                                                                                                               seg7&=0xbf;seg6|=0xc0;seg7|=0x80;seg8|=0xc0;seg9|=0x40;//数字 0
                                                         }
                                                         /***********L2 个位********/
                                                         Val=Speed_L2%10;//取出个位
                                                       if(Val > 4)//大于 4 时
                                                         {
                                                                                                               seg9&=0x7f;seg10&=0x3f;seg9|=0x80;seg10|=0x80;//显示 5
                                                         }
```

```
else//小于 4 时
        seg9&=0x7f;seg10&=0x3f;seg9|=0x00;seg10|=0xc0;//显示 0
    }
    /**********L4 千位********/
    if(Speed_L4 > 999)//大于 999 时
        seg1&=0xcf;seg1|=0x20;//显示 1
    else//小于 999 时
    {
        seg1|=0x30;//显示 0
    /*********L4 百位******/
    if(Speed_L4 > 99)//大于 99 时
        Val=Speed_L4/100;//取出百位
        if(Speed L4 > 999)//大于 999 时
            Val=Val%10;//去除百位
        switch(Val)
        {
            case
0:seg2&=0xCf;seg3&=0xCf;seg2|=0x30;seg3|=0x20;seg4|=0x30;seg5|=0x20;//数字 0
                break;
1:seg2&=0xCf;seg3&=0xCf;seg4&=0xCf;seg5&=0xCf;seg4|=0x20;seg5|=0x20;//数字 1
                break;
            case
2:seg2&=0xCf;seg3&=0xCf;seg4&=0xCf;seg5&=0xCf;seg2|=0x10;seg3|=0x30;seg4|=0x30;// 数
字 2
                break;
            case
3:seg2&=0xCf;seg3&=0xCf;seg4&=0xCf;seg5&=0xCf;seg3|=0x30;seg4|=0x30;seg5|=0x20;// 数
字 3
                break;
            case
4:seg2&=0xCf;seg3&=0xCf;seg4&=0xCf;seg5&=0xCf;seg2|=0x20;seg3|=0x10;seg4|=0x20;seg5|
=0x20;//数字 4
                break;
            case
5:seg2&=0xCf;seg3&=0xCf;seg4&=0xCf;seg5&=0xCf;seg2|=0x20;seg3|=0x30;seg4|=0x10;seg5|
=0x20;//数字5
                break:
6:seg2&=0xCf;seg3&=0xCf;seg4&=0xCf;seg5&=0xCf;seg2|=0x30;seg3|=0x30;seg4|=0x10;seg5|
=0x20;//数字 6
                break;
            case
```

```
7: seg 2 \&= 0 x C f; seg 3 \&= 0 x C f; seg 4 \&= 0 x C f; seg 5 \&= 0 x C f; seg 2 |= 0 x 0 0; seg 3 |= 0 x 2 0; seg 4 |= 0 x 2 0; seg 5 |= 0 x 0 0; seg 3 |= 0 x 0 0; seg 4 |= 0 x 0 0; seg 5 |= 0 x 0 0; seg 5 |= 0 x 0 0; seg 6 |= 0 x 0 0; seg 6 |= 0 x 0 0; seg 7 |= 0 x 0 0; seg 7 |= 0 x 0 0; seg 8 |= 0 x 0 0; seg 8 |= 0 x 0 0; seg 9 |
=0x20;//数字7
                                                                            break;
                                                         case
8: seg 2 \&= 0 x Cf; seg 3 \&= 0 x Cf; seg 4 \&= 0 x Cf; seg 5 \&= 0 x Cf; seg 2 |= 0 x 30; seg 3 |= 0 x 30; seg 4 |= 0 x 30; seg 5 |= 0 x 30; seg 5 |= 0 x 30; seg 6 |= 0 x 30; seg 7 |= 0 x 30; seg 8 |= 0 x 30; seg 8 |= 0 x 30; seg 9 |= 0 x 30; s
=0x20;//数字8
                                                                            break;
                                                        case
9:seg2&=0xCf;seg3&=0xCf;seg4&=0xCf;seg5&=0xCf;seg2|=0x20;seg3|=0x30;seg4|=0x30;seg5|
=0x20;//数字9
                                                                            break;
                                                         default:
                                                                            break:
                                      }
                   }
                   else
                   {
                                      seg3&=0xef;seg2|=0x30;seg3|=0x20;seg4|=0x30;seg5|=0x20;//数字 0
                   }
                   if(Speed_L4 > 9)//大于 9 时
                   {
                                      Val=Speed_L4/10;//取出十位
                                      if(Speed_L4 > 99)//大于 99 时
                                                          Val=Val%10;//取出十位
                                      switch(Val)
                                      {
                                                         case 0:seg7&=0xef;seg6|=0x30;seg7|=0x20;seg8|=0x30;seg9|=0x10;//数字 0
                                                                            break;
                                                         case
1:seg6&=0xCf;seg7&=0xCf;seg8&=0xCf;seg9&=0xCf;seg8|=0x20;seg9|=0x10;//数字 1
                                                         case
2:seg6&=0xCf;seg7&=0xCf;seg8&=0xCf;seg9&=0xCf;seg6|=0x10;seg7|=0x30;seg8|=0x30;// 数
字 2
                                                                            break;
                                                         case
3:seg6&=0xCf;seg7&=0xCf;seg8&=0xCf;seg9&=0xCf;seg7|=0x30;seg8|=0x30;seg9|=0x10;// 数
字 3
                                                                            break;
                                                         case
4:seg6&=0xCf;seg7&=0xCf;seg8&=0xCf;seg9&=0xCf;seg6|=0x20;seg7|=0x10;seg8|=0x20;seg9|
=0x10;//数字4
                                                                            break:
5:seg6&=0xCf;seg7&=0xCf;seg8&=0xCf;seg9&=0xCf;seg6|=0x20;seg7|=0x30;seg8|=0x10;seg9|
=0x10;//数字5
                                                                            break;
                                                         case
```

```
6: seg 6 \& = 0 \times Cf; seg 7 \& = 0 \times Cf; seg 8 \& = 0 \times Cf; seg 9 \& = 0 \times Cf; seg 6 | = 0 \times 30; seg 7 | = 0 \times 30; seg 8 | = 0 \times 10; seg 9 |
=0x10;//数字 6
                                                                                                         break;
                                                                               case
7:seg6&=0xCf;seg7&=0xCf;seg8&=0xCf;seg9&=0xCf;seg6|=0x00;seg7|=0x20;seg8|=0x20;seg9|
=0x10;//数字7
                                                                                                         break;
                                                                               case
8: seg 6 \& = 0 \times Cf; seg 7 \& = 0 \times Cf; seg 8 \& = 0 \times Cf; seg 9 \& = 0 \times Cf; seg 6 | = 0 \times 30; seg 7 | = 0 \times 30; seg 8 | = 0 \times 30; seg 9 |
=0x10;//数字8
                                                                                                         break;
                                                                               case
9:seg6&=0xCf;seg7&=0xCf;seg8&=0xCf;seg9&=0xCf;seg6|=0x20;seg7|=0x30;seg8|=0x30;seg9|
=0x10;//数字9
                                                                                                         break;
                                                                               default:
                                                                                                         break:
                                                     }
                          }
                         else
                           {
                                                     seg7&=0xef;seg6|=0x30;seg7|=0x20;seg8|=0x30;seg9|=0x10;//数字 0
                          }
                          /*********L4 个位******/
                           Val=Speed_L4%10;//取出个位
                          if(Val > 4)//大于 4 时
                          {
                                                     seg9&=0xdf;seg10&=0xcf;seg9|=0x20;seg10|=0x20;//显示 5
                          }
                          else//小于 4 时
                                                     seg9&=0xdf;seg10&=0xcf;seg9|=0x00;seg10|=0x30;//显示 0
                          }
                          /*********L6 千位******/
                          if(Speed_L6 > 999)//大于 999 时
                                                     seg1|=0x08;seg1&=0xfb;//显示 1
                          }
                         else//小于 999 时
                           {
                                                     seg1|=0x0c;//显示 0
                          /*********L6 百位******/
                          if(Speed_L6 > 99)//大于 99 时
                          {
                                                     Val=Speed_L6/100;//取出百位
                                                     if(Speed_L6 > 999)//大于 999 时
```

```
Val=Val%10;//去除百位
                                                                                                 switch(Val)
                                                                                                                                                 case 0:seg3&=0xfb;seg2|=0x0c;seg3|=0x08;seg4|=0x0c;seg5|=0x08;//数字 0
                                                                                                                                                                                                break;
                                                                                                                                                 case
1:seg2&=0xf3;seg3&=0xf3;seg4&=0xf3;seg5&=0xf3;seg4|=0x08;seg5|=0x08;//数字 1
                                                                                                                                                                                                break;
                                                                                                                                                 case
2:seg2&=0xf3;seg3&=0xf3;seg4&=0xf3;seg5&=0xf3;seg2|=0x04;seg3|=0x0c;seg4|=0x0c;// 数 字
                                                                                                                                                                                                  break;
                                                                                                                                               case
3:seg2&=0xf3;seg3&=0xf3;seg4&=0xf3;seg5&=0xf3;seg3|=0x0c;seg4|=0x0c;seg5|=0x08;// 数 字
3
                                                                                                                                                                                                break;
                                                                                                                                                 case
4: seg 2 \&= 0xf3; seg 3 \&= 0xf3; seg 4 \&= 0xf3; seg 5 \&= 0xf3; seg 2 |= 0x08; seg 3 |= 0x04; seg 4 |= 0x08; seg 5 |= 0x64; seg 4 |= 0x64; seg 5 |= 0x64; s
0x08;//数字4
                                                                                                                                                                                                  break:
                                                                                                                                               case
5: seg 2 \&= 0xf3; seg 3 \&= 0xf3; seg 4 \&= 0xf3; seg 5 \&= 0xf3; seg 2 |= 0x08; seg 3 |= 0x0c; seg 4 |= 0x04; seg 5 |= 0x66; seg 4 |= 0x66; seg 5 |= 0x66; s
0x08;//数字5
                                                                                                                                                                                                break:
                                                                                                                                                 case
6: seg 2 \& = 0xf3; seg 3 \& = 0xf3; seg 4 \& = 0xf3; seg 5 \& = 0xf3; seg 2 | = 0x0c; seg 3 | = 0x0c; seg 4 | = 0x04; seg 5 | = 0x6c; seg 4 | = 0x04; seg 5 | = 0x6c; seg 4 | = 0x04; seg 5 | = 0x6c; seg 4 | = 0x04; seg 5 | = 0x6c; seg 4 | = 0x04; seg 5 | = 0x6c; seg 4 | = 0x04; seg 5 | = 0x6c; seg 4 | = 0x6c; seg 4 | = 0x6c; seg 4 | = 0x6c; seg 5 | =
x08;//数字 6
                                                                                                                                                                                                  break;
                                                                                                                                               case
7: seg 2 \&= 0xf3; seg 3 \&= 0xf3; seg 4 \&= 0xf3; seg 5 \&= 0xf3; seg 2 |= 0x00; seg 3 |= 0x08; seg 4 |= 0x08; seg 5 |= 0x68; s
0x08;//数字7
                                                                                                                                                                                                break:
                                                                                                                                                 case
8: seg2 \&= 0xf3; seg3 \&= 0xf3; seg4 \&= 0xf3; seg5 \&= 0xf3; seg2 |= 0x0c; seg3 |= 0x0c; seg4 |= 0x0c; seg5 |= 0x6c; seg5 |= 0x6
x08://数字8
                                                                                                                                                                                                  break;
                                                                                                                                                 case
9:seg2\&=0xf3;seg3\&=0xf3;seg4\&=0xf3;seg5\&=0xf3;seg2|=0x08;seg3|=0x0c;seg4|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0x0c;seg5|=0
x08://数字9
                                                                                                                                                                                                break;
                                                                                                                                                   default:
                                                                                                                                                                                                break:
                                                                                                 }
                                                }
                                              else
                                                                                                 seg3&=0xfb;seg2|=0x0c;seg3|=0x08;seg4|=0x0c;seg5|=0x08;//数字 0
                                                  }
                                                /**************************/
```

```
if(Speed_L6 > 9)//大于 9 时
                                                                                                Val=Speed_L6/10;//取出十位
                                                                                                if(Speed_L6 > 99)//大于 99 时
                                                                                                                                                  Val=Val%10;//取出十位
                                                                                                switch(Val)
                                                                                                {
                                                                                                                                                case 0: seg7&=0xfb;seg6|=0x0c;seg7|=0x08;seg8|=0x0c;seg9|=0x04;//数字 0
                                                                                                                                                                                              break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1:
                                                                                                                                                case
seg6&=0xf3;seg7&=0xf3;seg8&=0xf3;seg9&=0xf3;seg8|=0x08;seg9|=0x04;//数字 1
                                                                                                                                                                                                break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2:
                                                                                                                                                case
seg6&=0xf3;seg7&=0xf3;seg8&=0xf3;seg9&=0xf3;seg6|=0x04;seg7|=0x0c;seg8|=0x0c;//数字 2
                                                                                                                                                                                              break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3:
                                                                                                                                                case
seg6&=0xf3;seg7&=0xf3;seg8&=0xf3;seg9&=0xf3;seg7|=0x0c;seg8|=0x0c;seg9|=0x04;//数字 3
                                                                                                                                                                                              break;
seg6\&=0xf3;seg7\&=0xf3;seg8\&=0xf3;seg9\&=0xf3;seg6|=0x08;seg7|=0x04;seg8|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x0
04;//数字 4
                                                                                                                                                                                              break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5:
                                                                                                                                                case
seg6\&=0xf3; seg7\&=0xf3; seg8\&=0xf3; seg9\&=0xf3; seg6|=0x08; seg7|=0x0c; seg8|=0x04; seg9|=0x04; seg9
04;//数字 5
                                                                                                                                                                                              break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6:
                                                                                                                                                case
seg6\&=0xf3;seg7\&=0xf3;seg8\&=0xf3;seg9\&=0xf3;seg6|=0x0c;seg7|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x04;seg9|=0x0c;seg8|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x06;seg9|=0x0
04;//数字 6
                                                                                                                                                                                                break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7:
                                                                                                                                                case
seg6\&=0xf3;seg7\&=0xf3;seg8\&=0xf3;seg9\&=0xf3;seg6|=0x00;seg7|=0x08;seg8|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x08;seg9|=0x0
04;//数字 7
                                                                                                                                                                                              break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       8:
seg6\& = 0xf3; seg7\& = 0xf3; seg8\& = 0xf3; seg9\& = 0xf3; seg6 \\ | = 0x0c; seg7 \\ | = 0x0c; seg8 \\ | = 0x0c; seg9 \\ | = 0x0c;
04;//数字8
                                                                                                                                                                                              break:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9:
                                                                                                                                                case
seg6\& = 0xf3; seg7\& = 0xf3; seg8\& = 0xf3; seg9\& = 0xf3; seg6 \\ | = 0x08; seg7 \\ | = 0x0c; seg8 \\ | = 0x0c; seg9 \\ | = 0x0c;
04;//数字9
                                                                                                                                                                                              break:
                                                                                                                                                default:
                                                                                                                                                                                              break;
                                                }
                                                else
                                                 {
                                                                                                seg7&=0xfb;seg6|=0x0c;seg7|=0x08;seg8|=0x0c;seg9|=0x04;//数字 0
```

```
/**********L6 个位*******/
                    Val=Speed_L6%10;//取出个位
                    if(Val > 4)//大于 4 时
                                        seg9&=0xf7;seg10&=0xf3;seg9|=0x08;seg10|=0x08;//显示 5
                   else//小于 4 时
                     {
                                        seg9&=0xf7;seg10&=0xf3;seg9|=0x00;seg10|=0x0c;//显示 0
                     }
                    /**********L8 千位********/
                    if(Speed_L8 > 999)//大于 999 时
                    {
                                        seg1&=0xfe;seg1|=0x02;//显示 1
                     }
                    else//小于 999 时
                     {
                                        seg1|=0x03;//显示 0
                     }
                    /*********L8 百位******/
                    if(Speed_L8 > 99)//大于 99 时
                                        Val=Speed_L8/100;//取出百位
                                        if(Speed_L8 > 999)//大于 999 时
                                                             Val=Val%10;//取出百位
                                        switch(Val)
                                                             case 0:seg3&=0xfe;seg2|=0x03;seg3|=0x02;seg4|=0x03;seg5|=0x02;//数字 0
                                                                                 break;
                                                             case
1:seg2&=0xfc;seg3&=0xfc;seg4&=0xfc;seg5&=0xfc;seg4|=0x02;seg5|=0x02;//数字 1
                                                                                 break;
                                                            case
2:seg2&=0xfc;seg3&=0xfc;seg4&=0xfc;seg5&=0xfc;seg2|=0x01;seg3|=0x03;seg4|=0x03;//数字 2
                                                                                 break;
                                                             case
3:seg2&=0xfc;seg3&=0xfc;seg4&=0xfc;seg5&=0xfc;seg3|=0x03;seg4|=0x03;seg5|=0x02;//数字 3
                                                             case
4: seg 2 \& = 0xfc; seg 3 \& = 0xfc; seg 4 \& = 0xfc; seg 5 \& = 0xfc; seg 2 | = 0x02; seg 3 | = 0x01; seg 4 | = 0x02; seg 5 | = 0x02; seg 5 | = 0x02; seg 6 | = 0x02; seg 7 | = 0x02; seg 7 | = 0x02; seg 8 | =
x02;//数字4
                                                                                 break:
5: seg2 \& = 0xfc; seg3 \& = 0xfc; seg4 \& = 0xfc; seg5 \& = 0xfc; seg2 | = 0x02; seg3 | = 0x03; seg4 | = 0x01; seg5 | = 0x02; seg3 | = 0x03; seg4 | = 0x01; seg5 | = 0x02; seg3 | = 0x03; seg4 | = 0x01; seg5 | = 0x02; seg3 | = 0x03; seg4 | = 0x01; seg5 | = 0x02; seg3 | = 0x03; seg4 | = 0x01; seg5 | = 0x02; seg3 | = 0x03; seg4 | = 0x01; seg5 | = 0x02; seg3 | = 0x03; seg4 | = 0x01; seg5 | = 0x02; seg3 | = 0x03; seg4 | = 0x01; seg5 | = 0x02; seg3 | = 0x03; seg4 | = 0x01; seg5 | = 0x02; seg3 | = 0x03; seg4 | = 0x01; seg5 | = 0x02; s
x02;//数字5
                                                                                 break;
                                                             case
```

```
6: seg 2 \& = 0 xfc; seg 3 \& = 0 xfc; seg 4 \& = 0 xfc; seg 5 \& = 0 xfc; seg 2 | = 0 x 0 3; seg 3 | = 0 x 0 3; seg 4 | = 0 x 0 1; seg 5 | = 0 x 0 2; seg 4 | = 0 x 0 1; seg 5 | = 0 x 0 2; seg 5 | = 0 x 0 2; seg 6 | = 0 x 0 2; seg 7 | = 0 x 0 2; seg 8 | = 0 x 0 2; seg 9 | = 0 x 0 
x02;//数字 6
                                                                                                                                 break;
                                                                                                 case
7: seg 2 \& = 0 xfc; seg 3 \& = 0 xfc; seg 4 \& = 0 xfc; seg 5 \& = 0 xfc; seg 2 | = 0 x 0 0; seg 3 | = 0 x 0 2; seg 4 | = 0 x 0 2; seg 5 | = 0 x 0 0; seg 3 | = 0 x 0 0; seg 4 | = 0 x 0 0; seg 5 | = 0 x 0 0; seg 5 | = 0 x 0 0; seg 6 | = 0 x 0 0; seg 7 | = 0 x 0 0; seg 7 | = 0 x 0 0; seg 8 | = 0 x 0 0; seg 9 | = 0 x 0 
x02;//数字7
                                                                                                                                 break;
                                                                                                case
8: seg2 \& = 0xfc; seg3 \& = 0xfc; seg4 \& = 0xfc; seg5 \& = 0xfc; seg2 | = 0x03; seg3 | = 0x03; seg4 | = 0x03; seg5 | = 0x03; s
x02;//数字8
                                                                                                                                 break;
                                                                                                 case
9:seg2&=0xfc;seg3&=0xfc;seg4&=0xfc;seg5&=0xfc;seg2|=0x02;seg3|=0x03;seg4|=0x03;seg5|=0
x02;//数字9
                                                                                                                                 break;
                                                                                                 default:
                                                                                                                                 break:
                                                                 }
                                }
                               else
                                 {
                                                                 seg3&=0xfe;seg2|=0x03;seg3|=0x02;seg4|=0x03;seg5|=0x02;//数字 0
                                 }
                                 /**************************/
                                if(Speed_L8 > 9)//大于 9 时
                                 {
                                                                 Val=Speed_L8/10;//取出十位
                                                                 if(Speed_L8 > 99)//大于 99 时
                                                                                                  Val=Val%10;//取出十位
                                                                 switch(Val)
                                                                                                 case 0:seg7&=0xfe;seg6|=0x03;seg7|=0x02;seg8|=0x03;seg9|=0x01;//数字 0
                                                                                                                                 break;
 1:seg6&=0xfc;seg7&=0xfc;seg8&=0xfc;seg9&=0xfc;seg8|=0x02;seg9|=0x01;//数字 1
                                                                                                                                  break;
2:seg6&=0xfc;seg7&=0xfc;seg8&=0xfc;seg9&=0xfc;seg6|=0x01;seg7|=0x03;seg8|=0x03;//数字 2
                                                                                                                                  break;
                                                                                                 case
3:seg6&=0xfc;seg7&=0xfc;seg8&=0xfc;seg9&=0xfc;seg7|=0x03;seg8|=0x03;seg9|=0x01;//数字 3
                                                                                                                                 break;
                                                                                                 case
4: seg 6 \& = 0 xfc; seg 7 \& = 0 xfc; seg 8 \& = 0 xfc; seg 9 \& = 0 xfc; seg 6 | = 0 x 0 2; seg 7 | = 0 x 0 1; seg 8 | = 0 x 0 2; seg 9 | = 0 x 0 2; seg 7 | = 0 x 0 1; seg 8 | = 0 x 0 2; seg 9 | = 0 x 0 
x01;//数字4
                                                                                                                                  break;
5:seg6&=0xfc;seg7&=0xfc;seg8&=0xfc;seg9&=0xfc;seg6|=0x02;seg7|=0x03;seg8|=0x01;seg9|=0
x01;//数字5
```

```
break;
                                                                                                                 case
6: seg 6 \& = 0 xfc; seg 7 \& = 0 xfc; seg 8 \& = 0 xfc; seg 9 \& = 0 xfc; seg 6 | = 0 x 0 3; seg 7 | = 0 x 0 3; seg 8 | = 0 x 0 1; seg 9 | = 0 x 0 
x01;//数字6
                                                                                                                                                     break;
                                                                                                                 case
7: seg 6 \& = 0 xfc; seg 7 \& = 0 xfc; seg 8 \& = 0 xfc; seg 9 \& = 0 xfc; seg 6 | = 0 x 0 0; seg 7 | = 0 x 0 2; seg 8 | = 0 x 0 2; seg 9 | = 0 x 0 
x01;//数字7
                                                                                                                                                     break;
                                                                                                                 case
8: seg 6 \& = 0 xfc; seg 7 \& = 0 xfc; seg 8 \& = 0 xfc; seg 9 \& = 0 xfc; seg 6 | = 0 x 0 3; seg 7 | = 0 x 0 3; seg 8 | = 0 x 0 3; seg 9 | = 0 x 0 
x01;//数字8
                                                                                                                                                     break:
                                                                                                                 case
9: seg 6 \& = 0 xfc; seg 7 \& = 0 xfc; seg 8 \& = 0 xfc; seg 9 \& = 0 xfc; seg 6 | = 0 x 0 2; seg 7 | = 0 x 0 3; seg 8 | = 0 x 0 3; seg 9 | = 0 x 0 2; seg 7 | = 0 x 0 3; seg 9 | = 0 x 0 
x01;//数字9
                                                                                                                                                     break:
                                                                                                                 default:
                                                                                                                                                     break;
                                                                           }
                                     }
                                    else
                                       {
                                                                           seg7&=0xfe;seg6|=0x03;seg7|=0x02;seg8|=0x03;seg9|=0x01;//数字 0
                                       /**********L8 个位********/
                                       Val=Speed_L8%10;//取出个位
                                     if(Val > 4)//大于 4 时
                                     {
                                                                           seg9&=0xfd;seg10&=0xfc;seg9|=0x02;seg10|=0x02;//显示 5
                                     }
                                     else//小于 4 时
                                       {
                                                                           seg9&=0xfd;seg10&=0xfc;seg9|=0x00;seg10|=0x03;//显示 0
                                     }
                                     if(Work All)//在全局设置时
                                       {
                                                                           seg5&=0xAA;seg5|=0x55;//L2 和 L4 和 L6 和 L8 下划线
                                                                           if(Work_All_Time)//选中工位 1 和熄灭下划线时
                                                                           {
                                                                                                                 switch(Work_Option)
                                                                                                                                                     case 2:seg5&=0xAA;seg5|=0x15;//L2 下划线熄灭
                                                                                                                                                     case 4:seg5&=0xAA;seg5|=0x45;//L4 下划线熄灭
                                                                                                                                                     case 6:seg5&=0xAA;seg5|=0x51;//L6 下划线熄灭
                                                                                                                                                                                             break;
```

```
case 8:seg5&=0xAA;seg5|=0x54;//L8 下划线熄灭
                                                       break;
                                            default:seg5&=0xAA;seg5|=0x55;//全部亮
                                                       break;
                                 }
                      }
           }
          else
           {
                      switch(Work_Option)//工位号选择
                                 case 2:seg5&=0xAA;seg5|=0x40;//L2 下划线
                                            break:
                                 case 4:seg5&=0xAA;seg5|=0x10;//L4 下划线
                                            break;
                                 case 6:seg5&=0xAA;seg5|=0x04;//L6 下划线
                                            break;
                                 case 8:seg5&=0xAA;seg5|=0x01;//L8 下划线
                                            break;
                                 default:
                                            break;
                      }
           }
           #if(Integration_TYPE == 0)//设置为四联时 L2 和 L6 不显示
seg1\&=0xC3; seg2\&=0xC3; seg3\&=0xC3; seg4\&=0xC3; seg5\&=0xC3; seg6\&=0xC3; seg7\&=0xC3; seg7
seg8&=0xC3;seg9&=0xC3;seg10&=0xC3;
           #elif(Integration_TYPE == 1)//设置为六联时 L8 不显示
seg1&=0xFC;seg2&=0xFC;seg3&=0xFC;seg4&=0xFC;seg5&=0xFC;seg6&=0xFC;seg7&=0xFC
;seg8&=0xFC;seg9&=0xFC;seg10&=0xFC;
           #endif
           Write_Addr_Dat_N(0, seg1,1);
           Write_Addr_Dat_N(2, seg2,1);
           Write_Addr_Dat_N(4, seg3,1);
           Write_Addr_Dat_N(6, seg4,1);
           Write_Addr_Dat_N(8, seg5,1);
           Write_Addr_Dat_N(10, seg6,1);
           Write_Addr_Dat_N(12, seg7,1);
           Write_Addr_Dat_N(14, seg8,1);
           Write_Addr_Dat_N(16, seg9,1);
           Write_Addr_Dat_N(18, seg10,1);
*********************
   * 函数原型: void Display_RelVal(uint16_t dis_rel_rpm,int dis_rel_temp,uint32_t dis_rel_time)
   * 功
                                     显示实际数值和中间图标
   * 输
                         入: dis_rel_rpm: 实际速度 dis_rel_temp: 实际温度 dis_rel_time: 实际时间
                                     uint16_t dis_rel_rpm,int dis_rel_temp,uint32_t dis_rel_time
```

}

```
*************************
void Display_RelVal(uint16_t dis_rel_rpm,int dis_rel_temp,uint32_t dis_rel_time)
    uint8_t seg31,seg32,seg33,seg34,seg35,seg36,seg37,seg38,seg39,seg40;
    seg31=0;seg32=0;seg33=0;seg34=0;seg35=0;seg36=0;seg37=0;seg38=0;seg39=0;seg40=0;
    uint8_t Val;//用于百十个取出来的数字
    uint8_t SH,H,SM,M;//时间的单位取值
    /*********rel rpm 千位********/
    if(dis_rel_rpm > 999)//大于 999 时
        seg32&=0xF8;seg33&=0xF0;seg33|=0x80;//显示 1
    }
    else//小于 999 时
        seg32&=0xF8;seg33&=0xF0;seg33|=0x80;seg32 |= 0x80;//显示 0
    }
    /*********rel rpm 百位********/
    if(dis_rel_rpm > 99)//大于 99 时
        Val=dis_rel_rpm/100;//取出百位
        if(dis_rel_rpm > 999)//大于 999 时
            Val=Val%10;//取出百位
        switch(Val)
            case
0:seg34&=0x1f;seg35&=0x1f;seg36&=0x1f;seg34|=0xc0;seg35|=0xa0;seg36|=0xc0;//数字 0
                break;
            case
1:seg34&=0x1f;seg35&=0x1f;seg36&=0x1f;seg34|=0x00;seg35|=0x00;seg36|=0xc0;/数字 1
            case
2:seg34&=0x1f;seg35&=0x1f;seg36&=0x1f;seg34|=0x40;seg35|=0xe0;seg36|=0x80;//数字 2
            case
3:seg34&=0x1f;seg35&=0x1f;seg36&=0x1f;seg34|=0x00;seg35|=0xe0;seg36|=0xc0;//数字3
                break;
4:seg34&=0x1f;seg35&=0x1f;seg36&=0x1f;seg34|=0x80;seg35|=0x40;seg36|=0xc0;//数字 4
                break:
5:seg34&=0x1f;seg35&=0x1f;seg36&=0x1f;seg34|=0x80;seg35|=0xe0;seg36|=0x40;//数字 5
                break:
6:seg34&=0x1f;seg35&=0x1f;seg36&=0x1f;seg34|=0xc0;seg35|=0xe0;seg36|=0x40;//数字 6
                break;
            case
7:seg34&=0x1f;seg35&=0x1f;seg36&=0x1f;seg34|=0x00;seg35|=0x80;seg36|=0xc0;//数字7
```

```
break;
             case
8:seg34&=0x1f;seg35&=0x1f;seg36&=0x1f;seg34|=0xc0;seg35|=0xe0;seg36|=0xc0;//数字 8
                 break;
             case
9:seg34&=0x1f;seg35&=0x1f;seg36&=0x1f;seg34|=0x80;seg35|=0xe0;seg36|=0xc0;//数字 9
                 break;
             default:
                 break;
        }
    }
    else
    {
        seg34&=0x1f;seg35&=0x1f;seg36&=0x1f;seg34|=0xc0;seg35|=0xa0;seg36|=0xc0;// 数
字 0
    }
    /**********rel_rpm 十位*********/
    if(dis_rel_rpm > 9)//大于 9 时
        Val=dis_rel_rpm/10;//取出十位
        if(dis_rel_rpm>99)//大于 99 时
             Val=Val%10;//取出十位
        switch(Val)
        {
             case
0:seg37&=0x1f;seg38&=0x1f;seg39&=0x1f;seg37|=0x60;seg38|=0xa0;seg39|=0xc0;//数字 0
                 break;
             case
1:seg37&=0x1f;seg38&=0x1f;seg39&=0x1f;seg37|=0x00;seg38|=0x00;seg39|=0xc0;//数字 1
                 break;
2:seg37&=0x1f;seg38&=0x1f;seg39&=0x1f;seg37|=0x20;seg38|=0xe0;seg39|=0x80;//数字 2
                 break;
3:seg37&=0x1f;seg38&=0x1f;seg39&=0x1f;seg37|=0x00;seg38|=0xe0;seg39|=0xc0;//数字3
                 break;
             case
4:seg37&=0x1f;seg38&=0x1f;seg39&=0x1f;seg37|=0x40;seg38|=0x40;seg39|=0xc0;//数字 4
                 break;
             case
5:seg37&=0x1f;seg38&=0x1f;seg39&=0x1f;seg37|=0x40;seg38|=0xe0;seg39|=0x40;/数字 5
                 break;
             case
6:seg37&=0x1f;seg38&=0x1f;seg39&=0x1f;seg37|=0x60;seg38|=0xe0;seg39|=0x40;//数字 6
                 break;
             case
7:seg37&=0x1f;seg38&=0x1f;seg39&=0x1f;seg37|=0x00;seg38|=0x80;seg39|=0xc0;//数字7
                 break;
             case
```

```
8:seg37&=0x1f;seg38&=0x1f;seg39&=0x1f;seg37|=0x60;seg38|=0xe0;seg39|=0xc0;//数字 8
                break;
            case
9:seg37&=0x1f;seg38&=0x1f;seg39&=0x1f;seg37|=0x40;seg38|=0xe0;seg39|=0xc0;//数字 9
                break;
            default:
                break;
        }
    }
   else
    {
        seg37&=0x1f;seg38&=0x1f;seg39&=0x1f;seg37|=0x60;seg38|=0xa0;seg39|=0xc0;// 数
字 0
    /*********rel_rpm 个位********/
    Val=dis_rel_rpm%10;//取出个位
    if(Val > 4)//大于 4 时
    {
        seg40&=0x3f;seg40|=0x80;//显示 5
        seg15\_Flag = 1;
    else//小于 4 时
        seg40&=0x3f;seg40|=0xc0;//显示 0
        seg15\_Flag = 0;
     seg31&=0x8f;seg31|=0x30;//显示电机反转向的图标
    seg31&=0x8f;seg31|=0x60;//显示电机正转向的图标
    if(Run_Status==1 &&Run_Flag > 1 && Set_Speed.L0 > 0 && Rel_Speed.L0) //运行时
    {
        seg31&=0x8f;//电机图标消失
    /*********rel_Temp 千位********/
    if(dis_rel_temp > 999)//大于 999 时
    {
        seg32&=0x87;seg33&=0x8F;seg33|=0x50;//显示 1
    }
    else//小于 999 时
    {
        seg32&=0x87;seg33&=0x8F;seg32|=0x78;seg33|=0x50;//显示 0
    }
    /*********rel Temp 百位********/
    if(dis rel temp > 99)//大于 99 时
        Val = dis_rel_temp / 100;//取出百位
        if(dis_rel_temp > 999)//大于 999 时
            Val = Val % 10;//取出百位
        switch(Val)
```

```
{
                                                                                                                             case
0:seg34&=0xC7;seg35&=0xE7;seg36&=0xCF;seg34|=0x38;seg35|=0x08;seg36|=0x30;//数字 0
                                                                                                                                                                      break;
                                                                                                                             case
 1:seg34&=0xC7;seg35&=0xE7;seg36&=0xCF;seg34|=0x00;seg35|=0x00;seg36|=0x30;//数字 1
                                                                                                                                                                       break;
                                                                                                                             case
2:seg34&=0xC7;seg35&=0xE7;seg36&=0xCF;seg34|=0x00;seg34|=0x28;seg35|=0x18;seg36|=0x
20;//数字 2
                                                                                                                                                                      break;
                                                                                                                             case
3:seg34\&=0xC7;seg35\&=0xE7;seg36\&=0xCF;seg34|=0x00;seg34|=0x20;seg35|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;se
30;//数字3
                                                                                                                                                                      break;
                                                                                                                             case
4:seg34&=0xC7;seg35&=0xE7;seg36&=0xCF;seg34|=0x00;seg34|=0x10;seg35|=0x10;seg36|=0x
30://数字4
                                                                                                                                                                      break;
                                                                                                                            case
5: seg 34 \& = 0 x C7; seg 35 \& = 0 x E7; seg 36 \& = 0 x CF; seg 34 | = 0 x 00; seg 34 | = 0 x 30; seg 35 | = 0 x 18; seg 36 |
10;//数字 5
                                                                                                                                                                      break;
                                                                                                                             case
6:seg34\&=0xC7;seg35\&=0xE7;seg36\&=0xCF;seg34|=0x00;seg34|=0x38;seg35|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;seg36|=0x18;se
 10;//数字 6
                                                                                                                                                                      break;
                                                                                                                            case
7:seg34&=0xC7;seg35&=0xE7;seg36&=0xCF;seg34|=0x00;seg34|=0x20;seg35|=0x00;seg36|=0x
30;//数字7
                                                                                                                                                                      break;
                                                                                                                             case
8:seg34&=0xC7;seg35&=0xE7;seg36&=0xCF;seg34|=0x00;seg34|=0x38;seg35|=0x18;seg36|=0x
30;//数字 8
                                                                                                                                                                      break;
                                                                                                                            case
9: seg 34 \& = 0 \times C7; seg 35 \& = 0 \times E7; seg 36 \& = 0 \times CF; seg 34 | = 0 \times 00; seg 34 | = 0 \times 30; seg 35 | = 0 \times 18; seg 36 |
30://数字9
                                                                                                                                                                       break:
                                                                                                                             default:
                                                                                                                                                                      break;
                                                                                      }
                                         }
                                         else
                                           {
                                                                                   seg34\&=0xC7; seg35\&=0xE7; seg36\&=0xCF; seg34|=0x38; seg35|=0x08; seg36|=0x30; // 20x04|=0x36|=0x30; // 20x04|=0x30; // 20x04|=0x30
  数字 0
                                           }
                                         /**********rel Temp 十位*********/
```

```
if(dis_rel_temp > 9)//大于9时
                                                                                 Val = dis_rel_temp / 10;//取出十位
                                                                                 if(dis_rel_temp > 99)//大于 99 时
                                                                                                                           Val = Val % 10;//取出十位
                                                                                 switch(Val)
                                                                                 {
                                                                                                                         case
0:seg36&=0xF7;seg37&=0xE7;seg38&=0xE7;seg39&=0xD7;seg36|=0x08;seg37|=0x18;seg38|=0
x10;seg39|=0x28;//数字0
                                                                                                                                                                break;
                                                                                                                         case
1: seg36\&=0xF7; seg37\&=0xE7; seg38\&=0xE7; seg39\&=0xD7; seg36|=0x00; seg37|=0x00; seg38|=0xE7; seg38\&=0xE7; seg39\&=0xE7; 
x00;seg39|=0x28;//数字1
                                                                                                                                                                break;
                                                                                                                         case
2:seg36&=0xF7;seg37&=0xE7;seg38&=0xE7;seg39&=0xD7;seg36|=0x08;seg37|=0x08;seg38|=0
x18;seg39|=0x20;//数字 2
                                                                                                                                                                break;
                                                                                                                         case
3:seg36&=0xF7;seg37&=0xE7;seg38&=0xE7;seg39&=0xD7;seg36|=0x00;seg37|=0x08;seg38|=0
x18;seg39|=0x28;//数字3
                                                                                                                                                                break;
                                                                                                                        case
4:seg36\&=0xF7;seg37\&=0xE7;seg38\&=0xE7;seg39\&=0xD7;seg36|=0x00;seg37|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;seg38|=0x10;se
x08;seg39|=0x28;//数字4
                                                                                                                                                                break;
                                                                                                                         case
5:seg36&=0xF7;seg37&=0xE7;seg38&=0xE7;seg39&=0xD7;seg36|=0x00;seg37|=0x18;seg38|=0
x18;seg39|=0x08;//数字5
                                                                                                                                                                break;
6: seg 36 \& = 0 \times F7; seg 37 \& = 0 \times E7; seg 38 \& = 0 \times E7; seg 39 \& = 0 \times D7; seg 36 | = 0 \times 08; seg 37 | = 0 \times 18; seg 38 |
x18;seg39|=0x08;//数字 6
                                                                                                                                                                  break:
                                                                                                                         case
7: seg 36 \& = 0 x F7; seg 37 \& = 0 x E7; seg 38 \& = 0 x E7; seg 39 \& = 0 x D7; seg 36 | = 0 x 00; seg 37 | = 0 x 00; seg 38 | = 0 x E7; seg 39 \& = 0 x E7; seg 39 \&
x10;seg39|=0x28;//数字7
                                                                                                                                                                break;
8: seg 36 \& = 0 \times F7; seg 37 \& = 0 \times E7; seg 38 \& = 0 \times E7; seg 39 \& = 0 \times D7; seg 36 | = 0 \times 08; seg 37 | = 0 \times 18; seg 38 |
x18;seg39|=0x28;//数字8
                                                                                                                                                                break;
                                                                                                                         case
9:seg36&=0xF7;seg37&=0xE7;seg38&=0xE7;seg39&=0xD7;seg36|=0x00;seg37|=0x18;seg38|=0
x18;seg39|=0x28;//数字9
                                                                                                                                                                  break;
                                                                                                                         default:
                                                                                                                                                                break;
                                                                                    }
```

```
}
           else
           {
seg36\&=0xF7; seg37\&=0xE7; seg38\&=0xE7; seg39\&=0xD7; seg36\\ |=0x08; seg37\\ |=0x18; seg38\\ |=0xE7; seg38\&=0xE7; seg39\&=0xD7; seg36\\ |=0x08; seg37\\ |=0x18; seg38\\ |=0xE7; seg38\&=0xE7; seg39\&=0xE7; seg3
10;seg39|=0x28;//数字0
           }
           /*********rel_Temp 个位********/
           Val = dis_rel_temp % 10;//取出个位
           if(Val > 4)//大于 4 时
           {
                      seg39&=0xEF;seg40&=0xCF;seg39|=0x10;seg40|=0x20;//显示 5
           }
           else//小于 4 时
                      seg39&=0xEF;seg40&=0xCF;seg39|=0x00;seg40|=0x30;//显示 0
           seg40|=0x08;//温度的小数点
           seg31&=0xF3;seg31|=0x0C;//温度图标
           if(Run_Status == 1 && Temp_State == 1 && Run_Flag > 1)//运行时
           {
                      seg31&=0xF3;//温度图标消失
           }
           /***************************/
           if(Time\_unit == 1)
           {
                      SH=dis_rel_time/3600/10;//计算十位单位的小时数
                      H=dis_rel_time/3600%10;//计算个位单位的小时数
                      SM=dis_rel_time%3600/60/10;//计算十分位单位的分钟数
                      M=dis_rel_time%3600/60%10;//计算个分位单位的分钟数
           }
          else
           {
                      SH=dis_rel_time%3600/60/10;//计算十位单位的分钟数
                      H=dis_rel_time%3600/60%10;//计算个位单位的分钟数
                      SM=dis rel time%60/10;//计算十分位单位的秒钟数
                      M=dis_rel_time%60%10;//计算十分位单位的秒钟数
           /**********rel _time 十小时位********/
           switch(SH%10)
           {
                      case 0:seg32&=0xf8;seg33&=0xf0;seg32|=0x05;seg33|=0x0f;//数字 0
                                 break:
                      case 1:seg32&=0xf8;seg33&=0xf0;seg32|=0x00;seg33|=0x06;//数字 1
                                 break;
                      case 2:seg32&=0xf8;seg33&=0xf0;seg32|=0x03;seg33|=0x0d;//数字 2
                      case 3:seg32&=0xf8;seg33&=0xf0;seg32|=0x02;seg33|=0x0f;//数字 3
```

```
break;
        case 4:seg32&=0xf8;seg33&=0xf0;seg32|=0x06;seg33|=0x06;//数字 4
             break;
        case 5:seg32&=0xf8;seg33&=0xf0;seg32|=0x06;seg33|=0x0b;//数字 5
            break;
        case 6:seg32&=0xf8;seg33&=0xf0;seg32|=0x07;seg33|=0x0b;//数字 6
             break:
        case 7:seg32&=0xf8;seg33&=0xf0;seg32|=0x00;seg33|=0x0e;//数字 7
             break;
        case 8:seg32&=0xf8;seg33&=0xf0;seg32|=0x07;seg33|=0x0f;//数字 8
             break;
        case 9:seg32&=0xf8;seg33&=0xf0;seg32|=0x06;seg33|=0x0f;//数字 9
             break:
        default:
             break;
    }
    /*********rel_time 小时位*******/
    switch(H%10)
    {
        case
0:seg34&=0xf8;seg35&=0xf8;seg36&=0xfe;seg34|=0x07;seg35|=0x05;seg36|=0x01;//数字 0
             break;
        case
1:seg34&=0xf8;seg35&=0xf8;seg36&=0xfe;seg34|=0x00;seg35|=0x04;seg36|=0x01;//数字 1
             break;
        case
2:seg34&=0xf8;seg35&=0xf8;seg36&=0xfe;seg34|=0x05;seg35|=0x07;seg36|=0x00;//数字 2
             break;
        case
3:seg34&=0xf8;seg35&=0xf8;seg36&=0xfe;seg34|=0x04;seg35|=0x07;seg36|=0x01;//数字3
             break:
        case
4:seg34&=0xf8;seg35&=0xf8;seg36&=0xfe;seg34|=0x02;seg35|=0x06;seg36|=0x01;//数字 4
             break:
        case
5:seg34&=0xf8;seg35&=0xf8;seg36&=0xfe;seg34|=0x06;seg35|=0x03;seg36|=0x01;//数字 5
             break:
        case
6:seg34&=0xf8;seg35&=0xf8;seg36&=0xfe;seg34|=0x07;seg35|=0x03;seg36|=0x01;//数字 6
             break;
        case
7:seg34&=0xf8;seg35&=0xf8;seg36&=0xfe;seg34|=0x04;seg35|=0x04;seg36|=0x01;//数字7
        case
8:seg34&=0xf8;seg35&=0xf8;seg36&=0xfe;seg34|=0x07;seg35|=0x07;seg36|=0x01;//数字 8
             break;
9:seg34&=0xf8;seg35&=0xf8;seg36&=0xfe;seg34|=0x06;seg35|=0x07;seg36|=0x01;//数字 9
             break;
```

```
default:
            break;
    }
    /*********rel_time 十分位*******/
    switch(SM%10)
    {
        case
0:seg36&=0xfb;seg37&=0xf8;seg38&=0xf8;seg36|=0x04;seg37|=0x05;seg38|=0x07;//数字 0
             break;
        case
1:seg36&=0xfb;seg37&=0xf8;seg38&=0xf8;seg36|=0x00;seg37|=0x00;seg38|=0x06;//数字 1
             break;
        case
2:seg36&=0xfb;seg37&=0xf8;seg38&=0xf8;seg36|=0x00;seg37|=0x07;seg38|=0x05;//数字 2
            break;
        case
3:seg36&=0xfb;seg37&=0xf8;seg38&=0xf8;seg36|=0x00;seg37|=0x06;seg38|=0x07;//数字 3
            break;
        case
4:seg36&=0xfb;seg37&=0xf8;seg38&=0xf8;seg36|=0x04;seg37|=0x02;seg38|=0x06;//数字 4
            break;
        case
5:seg36&=0xfb;seg37&=0xf8;seg38&=0xf8;seg36|=0x04;seg37|=0x06;seg38|=0x03;//数字 5
        case
6:seg36&=0xfb;seg37&=0xf8;seg38&=0xf8;seg36|=0x04;seg37|=0x07;seg38|=0x03;//数字 6
            break;
        case
7:seg36&=0xfb;seg37&=0xf8;seg38&=0xf8;seg36|=0x00;seg37|=0x04;seg38|=0x06;//数字7
             break;
8:seg36&=0xfb;seg37&=0xf8;seg38&=0xf8;seg36|=0x04;seg37|=0x07;seg38|=0x07;//数字 8
             break;
        case
9:seg36&=0xfb;seg37&=0xf8;seg38&=0xf8;seg36|=0x04;seg37|=0x06;seg38|=0x07;//数字 9
            break;
        default:
            break;
    }
    /**********rel time 分位*******/
    switch(M%10)
    {
0:seg31&=0xfe;seg39&=0xf8;seg40&=0xf8;seg31|=0x01;seg39|=0x07;seg40|=0x05;//数字 0
             break;
1:seg31&=0xfe;seg39&=0xf8;seg40&=0xf8;seg31|=0x01;seg39|=0x00;seg40|=0x04;//数字 1
            break;
```

```
case
2:seg31&=0xfe;seg39&=0xf8;seg40&=0xf8;seg31|=0x00;seg39|=0x05;seg40|=0x07;//数字 2
                              break;
                    case
3:seg31&=0xfe;seg39&=0xf8;seg40&=0xf8;seg31|=0x01;seg39|=0x04;seg40|=0x07;//数字 3
                              break;
                    case
4:seg31&=0xfe;seg39&=0xf8;seg40&=0xf8;seg31|=0x01;seg39|=0x02;seg40|=0x06;//数字 4
                    case
5:seg31&=0xfe;seg39&=0xf8;seg40&=0xf8;seg31|=0x01;seg39|=0x06;seg40|=0x03;//数字 5
                              break;
                    case
6:seg31&=0xfe;seg39&=0xf8;seg40&=0xf8;seg31|=0x01;seg39|=0x07;seg40|=0x03;//数字 6
                              break;
                    case
7:seg31&=0xfe;seg39&=0xf8;seg40&=0xf8;seg31|=0x01;seg39|=0x04;seg40|=0x04;//数字7
                              break;
                    case
8:seg31&=0xfe;seg39&=0xf8;seg40&=0xf8;seg31|=0x01;seg39|=0x07;seg40|=0x07;//数字 8
                              break;
                    case
9:seg31&=0xfe;seg39&=0xf8;seg40&=0xf8;seg31|=0x01;seg39|=0x06;seg40|=0x07;//数字 9
                              break;
                    default:
                              break;
          seg31&=0xFD;seg31|=0x02;//时间图标
          seg36|=0x02;//时间冒号
          if(Run_Status == 1 && Run_Flag > 1 && DownTime_Over.L0 == 0 && RelTime_State.L0
== 1)//运行时
          {
                    seg36&=0xfd;//时间冒号消失
                    seg31&=0xFD;//时间图标消失
          if(RelTime_State.L0 == 0)//没有设置时间
          {
                   //实际时间显示"----"
seg31\&=0xfe; seg32\&=0xf8; seg32|=0x02; seg33\&=0xf0; seg34\&=0xf8; seg35\&=0xf8; seg35|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x02|=0x0
;seg36&=0xf8;seg37&=0xf8;seg37|=0x02;seg38&=0xf8;seg39&=0xf8;seg40&=0xf8;seg40|=0x0
2:
          #if(Temp_TYPE == 0)//设置成四联普通款时
seg31&=0xF3;seg32&=0x87;seg33&=0x8F;seg34&=0xC7;seg35&=0xE7;seg36&=0xC7;seg37&
=0xE7;seg38&=0xE7;seg39&=0xC7;seg40&=0xC7;//隐藏温度的图标和数码管
          #endif
          Write_Addr_Dat_N(60, seg31,1);
          Write_Addr_Dat_N(62, seg32,1);
```

```
Write_Addr_Dat_N(64, seg33,1);
Write_Addr_Dat_N(66, seg34,1);
Write_Addr_Dat_N(68, seg35,1);
Write_Addr_Dat_N(70, seg36,1);
Write_Addr_Dat_N(72, seg37,1);
Write_Addr_Dat_N(74, seg38,1);
Write_Addr_Dat_N(76, seg39,1);
Write_Addr_Dat_N(78, seg40,1);
}
```