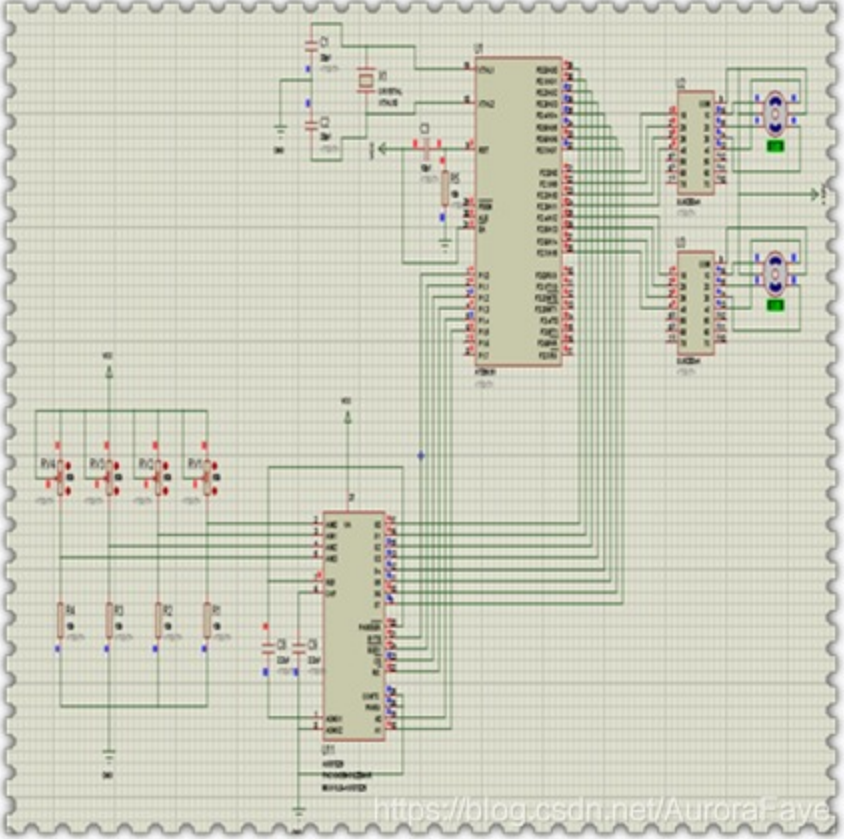




```
1  #include <reg52.h>
2  #include <stdio.h>
3  #include "DELAY.h"
4  #include "ADS7825.h"
5  #include "SIGNAL-PROCESS.h"
6  #include "MOTOR.h"
7  #include "VARIABLE.h"
8
9
10 void main(void)
11 {
12     unsigned char dir;                //定义变量dir为无符号型char变量
13
14     while (1)
15     {
16
17         dir = level();
18         StepMotor1(dir);
19
20         .....
21
22         /*先将数据进行中值滤波，再进行均值滤波*/
23
24         /*****
25         *中值滤波函数  原型：int mid_value_filter(void);          *
26         *              返回值：中值滤波后的中间数据值          *
27         *****/
28         unsigned int mid_value_filter(unsigned char cmd)
29         {
30             unsigned int datum[DATA_SIZE];
31             unsigned int i, j, tmp;
32
33             /*输入数据*/
34             for (i = 0; i < DATA_SIZE; i++) {
35                 datum[i] = ad_read_dat(cmd);
36             }
37
38             for (i = 0; i < DATA_SIZE - 1; i++) { /*对数据进行排序*/
39                 for (j = 0; j < DATA_SIZE - 1 - i; j++) {
40                     if (datum[j] > datum[j + 1]) {
41                         tmp = datum[j];
42                     }
```