Aim:Embedded c program for Elevator control.

```c
#include <reg51.h>
void delay(unsigned int t);
sbit bg=P1^0;
sbit b1=P0^0;
sbit motf=P0^1;
sbit motr=P1^1;
void main(void)
{
        b1=1;
        bg=0;
        while(1)
        {
                if(b1==1)
                {
                        motf=1;
                        motr=~motf;
                        delay(1000);
                        motf=0;
                        motr=~motf;
                }
                else
                {
                        motr=1;
                        motf=~motr;

                          delay(1000);
```

```
            }

    }

            }


void delay(unsigned int t)

{

        int i,j;

        for(i=0;i<=t;i++)

        for(j=0;j<=1275;j++);

    }
```