Anity Prosad

18m19cs194

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I Program 5: Demo the elevation interface
# include (stdio.h>
# unitude reg 51. h
unsigned that xdata Command World - at - One 803;
unsigned that x data Ponts _ at _ 0 xe 800;
unsigned chan xdata Ponts_at_0xe801;
unsigned than roboth fresent Floor, Requested Floor, Step = 0x80;
ansigned long xdata Count; ;;
Dolay ()
Son (Count = 0; (ount <= 4500; (ount ++);
3 )
= Reset()
  sup sup 4 Oxof;
    Pout A = Step;
Step = Sup | Oxfo;
    Pour A = Step;
     4
   GoUp ()
     Switch ( Requested Floor )
```

1

```
while (step< 0xf3)
       Ox Od:
              Step++;
              PostA = Step;
             Delay ();
             Leset();
            buck;
case 0x0b: while (step < 0xf6)
                stept+;
              PortA - Step;
             Delay ();
             Reset();
            buck;
care 0x07: while (Step <0xf9)
       Step ++;
     Post A = Step;
       Delay ();
    Reset ();
     break;
```

```
3
     Go Down ()
      switch (Requested floor)
3
3
                 OxOd: while (Step > Oxf3)
3
3
               step-;
3
             PortA = Step;
3
            Delay ();
Reset ();
          Strak;
          Oxob: while (step > Oxf6)
    (ase
                 step - ;
               PortA: Step;
              Delay ();
           Reset (1;
           break;
       Orde: while (step > Oxfo)
```

```
step-;
   Post A = Step;
      Delay ();
     Reset ();
   break;
 void main ()
Command Word: 0 x82:
Post = 0x fo;
Present Floor = PortB;
Requested Floor = Requested Floor + Dx Df;
is (Requested floor != 0x0f 44 Requested floor != Present floor) {
           if (Requested floor < Present floor)
                   Group();
           else
                  Go Down ();
     Presentfloor = Requeste of loop;
    Requested Floor = Both;
```