#indude zotdiooh) unsigned char todate Command Word - at - Oze 803; - at- Oxe800; unsigned char xdata Boot A -at -Oxe 8013 unsigned char xdalePortB unsigned char Xdata frusent-floor, Requested Floor, Step= unsigned long xdotacout, i; Delay () for(count =0 ; count 2-4500; count ++); Reset () L step= step & Orof; postAsstep, Step=Steplorfo; portA = skp;

```
STOUP
Good ()
Switch (Reguerted Floor)
       case Orod: while (Stepe Onf3)
                      Slepttj
                    postA=Step
                   Delay [1'
                  Reset();
                   break;
        0x0b: while(step <0xf6)
  case
              Skptt,
             PortA =step
             Pelay ();
           Reset (1°)
             break;
```

```
cuse 0x07: while(step < 0x19)
               Step ++;
                 port A = Skp;
                 Delay ();
                Reset ();
               break',
       Go Down ()
       Switch (Requested Floor)
           case Oxod: while (step) onf3)
                             Step--;
                          Post A = Step"
                         Deloy (1)
                           Reset ();
                           break",
```

```
case on ob:
            while (skp >oxf6)
             Step --;
             postA = Step;
           Delay();
           S
Reset ()',
          break;
 Case OxDe:
              while (step 2 0xf0)
                5 kp--;
                post A = step;
               Delay (1;
              Reset ();
              break;
```

void main () Command word = 0x82; PostA = Oxfo; presentfloor = Or De; while (1) ( Requested floor = posts; Requested Floor - Requested floor on & Oxof; if [Requested Floor ] = On of & & Requested Floor ] = Brusent Floor) it (Requested floor < Present floor) Goup (); che Go Down (); present floor = Reguested floor; Requested-Floor = Poorts;

