```
Cab Esperament 15:
                         ELEVATOR
# include (Stalo. n)
 # include < riegs 1.0 h)
  unsigned chavisdataCommandWord_at Oxe303,
  Unigned char solatalout 4_at 0xe800%
  unilgned enare saataloutb-at, 0xe801;
   unigned char xdata bresent place, requested floor,
      Step = Oxofo"
   unifored long xdataCount, 8;
     Delay ()
   for (, Count =0; count <= 4500°, count ++);
     4
    peset ()
      Step = step & OXOF;
       lost A= step;
        Step = Step / Oxfo;
        PortA = sep",
       Goup () L
      smitten (requested floor) &
          case Oxod", while (sup < oxf3) &
                          Steptt,
                         Port A = Step",
                         Delay ()",
                        feset()")
                         boreak',
         Case Onob: while (Step Kouff)
```

```
Step ++ ?
      Post A = step;
       selay 11°,
      Reset ()°
      boleak !
Case 0x07: while (Step < 0xf9) &
                 steptt, step;
                 y selay 11;
                 Reset O.
                boreap?
Glo Soun() L
 suitch (Requested Floor) &
      case onod: while (sep > oxf3) &
                  dep-0
                  Post Az Step?
                  selay (1, 3
                   Reset ()°,
                   break?
      case 0x06: while (step > 0x1-f6) &
                   step -- ",
                  Posit A = Step?
                   seray ()°
                   peset (1%
                   break!
```

```
unile ( step > 0xfo) of
  Case OxOC:
                    Step - 9
                   POUTA- Step,
                   Delay ( );
                  Reset ()
                  boleak!
Void main ) L
Commandilloid = 0x82°
104A= on for,
  Poresentploor = 02000
whe le (1) {
 Required Floor = Port B!
 Requested floor: Requestation & oxofo
if c Requested floor | = 0x0f & 2 reguested Floor | =
           present floor) of
      y Lequested Floor C Present Floor)
         Cro UP();
      Cropoun !!
     Poresent From = fequeste a Propor;
      requeste drope : Port B:
```

