```
book detecting who wany CRC-CCRT+ (16 hots)
# Enclude (string h)
+ include cot dio ho
                                                        SHALLNIP
# define N strler (gar)
                                                        1BM19C5 406.
 chay modif[20], cheksum[20], gen[20]
 Ent a, e, c, b
  Void xoll)
     Ay (C=1; C(N; C++)
      checksum[c] = ((checksum[c] = gen[c])?'o':'1');
   void creli
      for (e=0; e(N) e+1)
       Checksum[e] = modif[e];
         if(checksun(o) == '1')
         XOL();
         fy(c=0; C(N-1; (44)
         checisam[c] = checks an(c+i);
         Checks an [c] = modif (e++1)
      unite (e(za+N-1))
   int weren ()
      int (Cago)
      Stropy (gen, 1000/100000/0000/17);
     Printf (1 center data");
Sount ("/-8", medot);
Printf (?/n----/n");
      point (In generally polynomid: /s", gen)
      as other (moder);
      for (e=a; e(a+N-1; e++)
      mystef [e]= 10;
```

```
print ("checksum is . T. is", checksum);
for (e=a; ((a+N-1; e+1)
modif [e] = checksum [e-a]:
Point (1 ) is dose floral codeword is: fs, ander)
 bount (1/1 -- - / 1 1)
 Porint f("In fest eine detection o (ges) ((no)? :")
 scanf ("/.d', Ne);
 il (e=20)
    dr
                                where erry is to be curerted!)
       printf (1 Enter parition
    I ipation (1 /d', ac),
     while (=== 0 || e > a+N-1);
     modif [e-1] = (modif[e-1]=2'01)?'1': '6';
     Point ( erromon data: 1/8/n7, modif):
```