Franceth Kodeli 18W18C 2100 # indude (stdio.h) # Include Lishing. h > product # define N String (g) char modif[28], Checksum [28], gen[28]; int i, j, k, a, c; wid nor () for (i=1; i<N; i++) { checksom [i] = ((checksom [i] = gen[i])? o: i). roid Crc() Checksom[a] = modif [a]; if (checksum[0] == '1') for (i=0; i(N-1; i++) Checksim [i] = modily [a++];

Shiva Tranceth. Lodel 1BM18C5100 While Car=atN-1); int main () int main () int flag = 0; shepy (9,"11000000000000101"); Point & (" In enter data: "); Scanf (" 1. s", modif): Printle ("In generating polynomial: 1.5", 9 ); i = str len (modif); for (c=i; cxi+N-1; c++) modify [e] = co'; Pint 6 ("/n - - - /n") print (" modified data is-1.5", modify); CXC () prints (" Checksom is: 1.5", checksom); for (c=i; c<i+w-1; c++) modify[c] = check sum [c-i]. print (" final codeword is: %s", modified); print ("test error detection olyus), (no)?: "); scanb (" 1.d", x c); if (C==0)

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do {
  printf ("Enter the position where error is to
            be insented");
    Scan ( " 1. d ", & c);
  while (c==011 c> i+N-1);
  modif [c-1] = C modif [c-1] = = 101) ? 11':10',
      print ( "error eous deta: 1.5 ", t);
   3
Coc C)
for ( c=0; (c < N-1) 44 (checksom [c] 1= 11);
                                     C++);
  1/2 (c < N-1)
    print (" error ditected In In").
  print ("no error").
   while (flag!=1);
```