me na

```
# includers todio.h>
chas a[50], b[50], c[50], d[50], kmp[50];
void caltrans (int);
rold carc (int).
 void calram()
 void shift();
int main()
int n, 1=0;
chas ch, flag=0;
printf ("Enka frome Bits:");
while ((ch = getc (stdin)) = '\n')
 alit+]=ch;
Fan (1=0; 1216; 1++)
a[n++]='0';
 ~[10]=(10);
 printf (" Afkr appending 16 zeroes: Y.s", m);
 foor (1=0;12=16;1+7)
  P[:]='0",
  PLOJ = PLY] = P[11] = P[16] = 1, , P[13]=, 10;
  printf ("In generator: 15 \n", b);
  (h) (n);
  powntf("In quotient: >5", d);
  caltrons (n);
  printf'("In Transmitted frame: Y.S", m);
  printf ("In Enter transmitted frame:");
  scanfluin 15 11, rad;
  printf("(RC checking In");
  rater
```

mg ye

```
printf("In last seminder: XS", IC);
  (-09 (1=0; 1216; i++)
  if (((i) != 10')
 Flag=1;
 clse
 continue;
 if (flag ==1)
 printf("Error during transmission");
 clse
print [ "In Recieved frame is correct");
void cac (int a)
int i, j
( on ( i=0; i=n; i++)
kmp[i]= ETi]
c[i] = = [i];
 printf ("In intermediate reminder In");
for ( i=0; i2n-16; i++)
٠ {
  if (([0]=='1']
   d[i]=11:
   calgam ();
   clse
 3 d[i]=101;
   shiftl();
  c[16]=m[17+1];
  c [17] = '10';
   print (11/10 sumainder 1.d:1.5, 1+1, c);
```

Slavjed, M

```
for(1=0;j2=12;j++)
temp[j]=d[j];
d[n-167='10';
void calram()
int ind;
fos (i=1; iz=16; 1++)
([i-1]=((int) kmp[i]-48)^((int) b[i]-48)+48;
void shift()
 inti;
Fog (i=1; i=16; i++)
([i-i] =c[i];
 void coltrans(int n)
 inti, k=o;
 FOR (i= n-16; i = n; i++)
 a[i]=(int)a[i]-48)^ ((int) & ([k++]-48)+48;
  a[i]='10';
```