```
import java. util. *;
public claus CRC of public state of the n;
      Public static void moun (string args[])
           Scanner in = new Scanners(System In);
           (RC ob = new CRCC);
          String cody, copy, rec; zono="00
          System. out: prilit ("Inter poly: ");
         code = in . next line ();
         n=code. length;
        copy = codi:
         code + = 2ero;
         code = ob. divide (code);
        S-OP ( Gen
      copy = copy · substring (0, n) + code · substring (n)
       S.O.P("(R(":"d+wdi.substring(n));
       S.O.P(" Transmitted: "+ copy);
       S.O.P(" Enter received code: ");
       rec=In.next[hell;
    if (2 ero. equals (ob. di vide (rec). substring (n1))
S.O. P ("Correct bis received")
         S.O. P("esnor")
    3
```

```
string divide (string s)
int
char
div = "10000000100001";
pa ( Ret 1=0; ich; itt)
   X = S. Char At (i)
  portj =0; j < 17; j +4)
           i's (s: charAt(i+j)) = div.charAt(j))
                s=s·substing (o, i+j)+"1"+s.substruy(i+j+i);
        else
                s substanty (0, i+j) +"0"+s. substany (i+j+1);
```