CRC Program
Towns
dotaleits > int advisorleits > int
dota = orrangerind div = orrangerint division [] rem []
Enter number of dota loits
=) dataleits = 6
Enter data leite
0 => dota E6] = [1 1 0 0 1 1
Enter mules of lists in divisor
excivisor lists = 4
Enter Divisa ents
2 = [10 11]
total elegth = 6+4+1 = [9]
acmias : [] [] [] [] [] [] [] [] [] [
Box i=0 to dota-length is:
divis] = dolatij = 110011
After objecting 0'3: - diV[] = 110011000
starie divider divise.

```
9em [] = div[] = 110011000
nen= divide (divisor, nen)
    divide (1011, 110011000)
Divide Junction
 while (true)
     for i=0 to divisor length 1/4:
       i=0 > remto] = remto7 / divisorto]
             remIO] = 1 / 1 => 0
       i=1 > gem [1] = 1 10 => 1
       i=2 -> rem [2] = 0 1 => 1
       i=3 -> rem [3] = 0 1 => 1
                                    => rem[] = 0111
   while Crem [cur] == 0 44 cur! = rendergth -1)
           hem [0] == 0 44 0!= 8 T
            cur =1
           nem [1] = = 0 [
    for 1=0 to 4:
        rem [1] = rem [1] A divisor [0]
  nem [2] = 1 10 => 1 => 0

nem [3] = 1 10 => 1 => 20

nem [4] = 1 1 => 0

while(green [1] == 0 14 cur | = rem. length - 1) 7
                                        =) gent J= :=>
                                                 00100
            Cur = 2
   gos 120 to 4:
       rem [2]: 1 11=)0
        9cm [3] = 0 10 00
        nom [4] = 0 11 => 1
                                    new[]=000010
        rem 25] = 1110
  while I gen I23 == 044 cur 1 = sem. length - 1) T | Cur = 3]
          9em [3] = =0 T
          gram Ey] == 0 F rem
                                            Tours 4
```

for 1=0 to 4: rem [4] = rem [4] A divisor [0] ram [S] = 1 11 = > 0 gram [6] = 0 1 1 => 1 gram = 000000011 while (rem [4] = = 0 44 and 1 rem length -1) fcur = 5] rem ZSJ = = 0 To [cur = 6] if L rem. Length - war) 2 divisor, length) 8-6 24 T return 00000011 to rem. in CNC generator

CNC Generator

for i=0 to 9

CRC Code: 110011110

Error Detection. Enter CRC rode of 9 bits: CRC [9] = 1100/11/11

Sem [9] = CNC [9] = 1100/11/1

Sem = divide (divideon, som) // 1011, 1100/11/11

// Perform division colling divide gume.

if returned sem 1 = 0

then " Earer detected?

if i == 3:

then " No error"

Here sem = 1 gos 1100/11/11

Here "Essor is detected.

CNC Generator.

1011 | 1001 | 000 1011 | 1011 | 1011 | 1011 | 1011 | 1011 | 1011 | 1011 | 1000 | 1011 | 1000 | 1011 | 1000 | 1011 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 100

Message to be transmitted 110011110

Error Detection

Hear haminder I is notioned

Capit Check of Lucy