```
program for error dectecting code using CRC-CCITI
                                        1117
CRC-CCITT -> cyclic Medundancy check -
             - consultative committee for International
               Telephony and Telegraphy.
                  that be easily and an experience
PROCESS:
    Step-1
                crc-generator
    Step-8
             1: | CRC bits 0 1 0 1 1 (1100)
    Step-3
                crc-genarator → n bits
                                           (907 V
                CRC-bits + (no) bits
                CRC bit = DATA + (n-1) Zeros
    Step-4
                (remainder)
                                 CRC generator
               enecksum = DATA+CRC
    Step-5
    Step-6
                Checksum
                              => remainder = 0
```

nermounter : 1110 Note: It aremainded is not Zeno, then it will

ENOW LEADON GETECTION TO THE PORTE

it is polynomial like X3+x2+x1+X° but me one given 1 1 0 0 input as bits

Example: 1) DATA = 1101011011 2) CRC genesiatos = 10011 3) CRC bits = (5-1), =(4 bits) * so we are adding 4 bits of zeros to data 110101101100000 11000010010 10011) 01011,011 1 0 0 0 (XOR) 10001 B confort 00001 0.0000 0001 1211111100000 00101 00000 1916 1 1 O 1 O 1 remainder = 1110 Alter the Wall Committee senden side => 1001 1 1 (1201 121 2010 10 100

= DATA + (Rc bit (nemaindes) 5) checksum 110 10 11 0 11111 (1110 21 ebraced ph 0000) Recieves side: 6) it is valid, because 0101 1 remainden 12 "0"