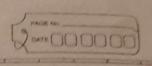
H~0000000) To compute the CRC of of 111 000 1 with Polynomial of 1001 7 1001 has 4 bits -: polynomial is of degree 4 .: we appear 3 (4-1) bits to the Message .: => Message = 1/1 000 100 0 => Pesform XOR Division to 100/ 1/ 000 1000 01110 1001 0/110 1001 01111 100/ 01100 1001 010 10 1001 00110 .. Remaindes = 011 => Append it to the Message

CRC= 011 Message = 1110001011

Generator pt polynomial = 111 Message = 100/10/ Bits = 3 . Append 3-7 = \$ 7 XOR Division 111 1001 10100 0001 111 100 Remaindes = 100 CRC = 100 Transm. He Meslage = 1001 1011 00

100000



Message = 101001 Polynomial = 11011 Recieved Message - 1010 0110 01

=> Polynomyd Bits = 125 Append bits = 155-41=4 Message = 1010 0010 000 => Division

11011 10100 01000 0

11011

1911 91

11011

FERRODORO

HOLL 11011

11011

100

CRC = 0100

=> Apperd 5,00 18m. Message=10,001,00 Recieved =10,001,01

: Message has an Essas

FACE NO.

data = 1011

Pas. Fins P1 P2 i P3 0 11

PI = 2,3,6,7 = 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0

-- Hammind code = 000110011

9) Reciaved cade = 10/110/

Using Sven posity

Pos. † 23 4567 Bit 101 1101

P1 covers 1357, = 1/11 = 2088 et Even Party

P2 11 2367 = 0/01= / Even Porty

P3 11 4567 = 1101 X Odd Party

=> Posity Bit 4 Wlong

... Data = 1101

> para = 11001 P: 12345678 B: P, P2 1 P3 1 00 1 P2 = 2 3 6 7 = 110 = 4568 = - 101 = 0 . Code = 10110