BM 19 CS 409 Gaath using CRC-CCITT (16-bits) #include 2008tream > # include 25toing. h? wing name space Std; int exc (char xiP, day xoP, char x poly int mode). Storpy (OP, EP); of (mode) { mode) for ("int 9=1; "< Stoken (Poly); "++) Streat Cop, 'co'); contac modified infut 121 of scendl; lor (ent :=0; ? < Stolen (9P); ett) (? + (OPC:) == '1') (00 may) bo (int i=0; i < Stolen (Poly); i++) { "if (of ("+j) == Poly (j)) op(:+i) == 6'; of ("+j="1")

Sundala

saathi ho δ (° nt ° = 0°, ° (3 to Len (op); ° + +) ef (op(:) == (1) deturno; schen 1; int main() Char (P(50), oP(50), secu (50); chat Poly () = "1000 1000000 10000 1"; int choice; cout I' enter the input message in birary:"; con 77°P; Cout 2 L' generated Polynomial is "Zc Poly Kend! Coc (P, OP, Poly, 1); cont 20" The check Sum ?8" < Cof + Stolen (:P) Wend; cont 22 "The Bounsmitted methage is " 12 " P 22 OP+ Sten (9P) Le endl; cout << " do you want to test essor" << end!; (°or >7 choice; " A (choice ==1) int pos, or) char (P(50)) Strong (cp, op);

60ut ¿c entex the Position

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where to in



error bit " Lendl; Can >7 Pos; contex "enter bit you wanted to insent " exend! ca >>n; CP(POS) = n; of (! Stramp(OP, CP)) < conte ito error " end!;) contections occured cende; } return o', 3 no session that wh elle & cout ec " 1 condl;) coint 20 "enter the seceived message on binary " << end; Cin 7) recv; of (csc (see v, of, Poly, o)) cont ex "Ho essor en data " Mend! else Lout Le Bros en data transmission has occured " Landlin return o;

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