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## (N LAB

20/11/20

String to Bin (long long int num)

String bin = bitset < 24 > (num) to - string ();

return bin :

long long int to Dec (ctring bin)
long long int str = litset <24> (num). to\_unlong.
Teturn str;

Void CRC (string dataword, string generator)

int L-gen = generator.length();

long long int gen = to Dec (generator);

long long int dword = to Dec (dataword);

long long int divioland = dword << (l-gen-1);

int shet = (int) (eill (log 21 (dividend+1)).lge

long long int rem;

while ((dixidend >= gen) 11 (shft >=0))

rem = (dividend >> shft ngen;

dividend: (dividend & (( | << shft ) -1)) | (en 45+

ghft = (int) ceill (log 21 (dividend +1)) - Igen; long long int codeword: (dword 22 (1-gen -1)) I did cout ce "Remain Ner: "ce to Bin (dividend) ce end! cout ce " (o devord: "ce to Bin (codeword) ce end!