EMENGAHOG CEMENT

Anexcanapolar

930306

Beginnes: 16

D (a) Tongruse numine repeterational MOD

Junovornehol 11(6) = x²+x²+x²+x+3 y g(a) = x²+x²+x ent

Hay nomen Gf(d)

By Positionale 1(b) his nenpulogramore conunormanu

D Tyera 2- promunitario enement nona GF(28) =>

Estx3/(x²+11x+2)

Hongare L(n)- peruenae applinenas 1(d²: d²-1)

yell

N=1,8 u13

V=9+n(mod 111)

9=10 gnx 9303

(a)
$$f(x) = x^{2} + x^{4} + x^{4} + x + 1$$

$$f(x) = x^{2} + x^{4} + x + 1$$

$$x^{2} + x^{3} + x^{4} + x + 1$$

$$x^{3} + x^{5} + x^{4} + x + 1$$

$$x^{4} + x^{5} + x^{4} + x + 1$$

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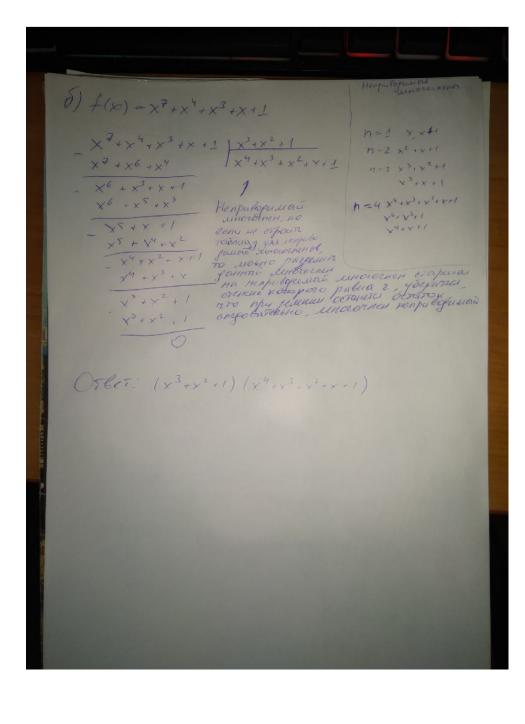
$$x^{4} + x^{4} + x^{4} + x + 1$$

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$$x^{4} + x^{4} + x^{$$



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@ GF(25) = 25[x]/(x2,4x+2)
                      2° - 1
                        L= -4x-2= X+3
                          \chi^{3} = \chi^{2} + 3\chi = \chi + 3 + 3\chi = 4\chi + 3
                         L"= 4x2+3x = 4(x+3) +3x = 4x+12 +3x = 2x+2
                     25 = 2x2 + 2x = 2(x+3) +2x = 2x +6+2x = 4x + 1
                      L' = 4x2+x = 4(x+3) + X = 4x+12 +x = 2
                      27 = 2x
                     28 = 2x2 = 2(x+3) = 2x +1
                     y^3 = 2x^2 + x = 2(x/3) + x = 2x + 6 + x = 3x + 1
                     1" = 3x2 + x = 31x+3) +x = 3x+3 +x = 4x +4
                   2" = 4 (x+3)+4x = 41x+12+4x = 3x+2
                  1" = 3(x12) + 2x = 3x + 4 + 7x = 41
                 213 = 4x
214 = 4(x/3) = 4x +2
                 215 = 41x+3) +2x = 41x +12 +2x = x+2
                216 = X+3 +2x = 3x+3
              217 = 3(Y11) 1]X = 3x 19 1 ]X = X + 4
              218 - (x+3) +4x = 3
               219 - 3x
              200 3(3+x) = 9+3x = 3x+4
               201 = 3131x) +4x = 3+3x+4x = 7x18 = 2x+4
              2"= 2 (x13)+4x= 2x + 6 + 4x = x+1
              123 = (X+3) + X = 2X+3
             224 = 2 (x1) +3x = 1
                                                                                                                                                   1 12"- 3×13 - 216 1122 = x12 = x15
        1+2=2=26
1+2=x+1=20
                                                                                                                                                  1 + 12 = 0 = -2

1 + 12 = 0 x 1 = 25

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                                                                                                                                                                                                                                                                         1+223 = 2x+4 = 21

\begin{array}{lll}
3 \cdot 1^{2} \cdot x_{14} = 1^{17} & 11 \cdot 1^{12} = 4x \times 11 = d \\
11 \cdot 1^{2} \cdot x_{14} = d^{10} & 11 \cdot d^{12} = 4x \times 11 = d \\
11 \cdot 1^{4} = 1 \times 13 = d^{23} & 11 \cdot d^{12} = 4x \times 13 = d^{23} \\
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11 \cdot d^{12} = 1 \cdot d^{1
        0+12 = X+4 = 117
                                                                                                                                                                                                                                                                   Cr605 )
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