Report Week 4

1. Chúng minh M.M($^-1$) = I trong GF(2^8) (mod $x^8 + x^4 + x^3 + x + 1$)

To enting man (1) To ong et (2 e) (meu n e n e n e n e n
1 2 5 1 9 19 11 12
1 1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
N hair has out statio may she so shallo !
99 86 82 127
8 2 49 86 82
32 83 39 86
2 8 8 8 8 8 9 9
Nhão thời màng hong sau sẽ là hong trước shi t La Nen
- So = 28.14 & 3 9 0 1.18 @ 1.11
- Son = 28.19 & 3 9 0 1 18 0 111
= (x4+x3+x4) & (x3+x4) & (x3+x4) & (x3+x4)
1 (12 to 11) ((13+ 21)
- Sa1 = 2.11 +3.14 + 1.9 + 1.13
= 2(x +2+00(xxx)(x 3+x2+x) + (x 3+1) + (x 3+x4+1)
= (25+x+1) @ (x+x+2+x+2+x+x+x+x+x+x+x+x+x+x+x+x+x+x+x
- Ser 2 = 2.13 + 5.11 + 14.1 + 1.9.
= x (23 - x + 1) & (x + 1) (x + x + 1) & (x 3 + x + x) & (x 3 + x)
(x +x x 3 + x) a (x + x + x + x) (x 3 + 1)
- 2+2+2 & (x++23+2+x+x+x+x) & (25+2+2) & (2+1)
- Pens = 1.7 + 3. 13+1, 11+1.14
= (x4+x) 0 (x++x3+x2+x+1) @ (x3+x+1) @ (x3+x+1) @ (x3+x+1)
Whit was to dide: M. M. & Troop & Copon & Copon
100 100 mod (nPtotkot xid)
[0001]