факти за полиноми над Крайни полеж

A. $\forall f(x) \in \mathbb{F}_2[x]$, f(0) = 1conjectbyba exterbeno rucno m, za koeto f(m) genu $x^m - 1$ Yair-mankoro takoba mrepurane per Ha f: ord f.

B. Ano f e Hepagnoneum of evenest n, ∞ ord f $/2^n$ 1Ano ord f = 2^n 1 , ∞ f ce Hapura upusus rubest normbest.

Duner

$$n=3$$
 $\frac{\varphi(x^3-1)}{3} = \frac{\varphi(x)}{3} = 2$

Museurihm nourselle et colner 3:

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

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

$$n=4$$
 $\frac{(4^{2}-1)}{4}=\frac{4(15)}{4}=2$

Museu Tubra nounteen of cheef. 4.

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

Hepogronance, 60 de njuleurben: X4+X3+X+X+1.