Demucet you none tolly F-none Oup. Here F-none 9/f, KOVATO 3 9 E FEX7: f=9.9 IT 910, 49 to (0=9.0) 2) Theo deed=0 (T. e. & e(F[X])\* ) Torala &|fo, + feF[X]: (f=d.(d.f)) 3) Aco.glf u d e(F[x])\*(T.e.degd=0) => 2g|f (f=9.9=)f=2g(29 4) moglf uflh => glh fef[x] 3a wown (h=f.g), f=g(a=>h=g(g,9a

tu of [X >> g(f.u, (f=g,q) = fu=g,(q,u)6) gift a gift => gl(vifi+vafa) (f1=gq1, f2=gq2=) u,fi+ugf2= gq1u1+gq2u2=g(g14)+922) Flancoglf u flg => FLXJ\*: f=29 def &= 9|f => 3 91: f=991

f = f(9,192) => deef-deeft (9)

f = f(9,192) => dee 9,1=deef (9)

=> 9,1,92 & (ED3) => 9,1=2

YOU OLD 11 0 1-0 -> deef (9,192) => 9,1-2 =) deg 9 z deg f 8) Anoglf uf or glf= f=g.g. = degf=degg+degg= degf=degg

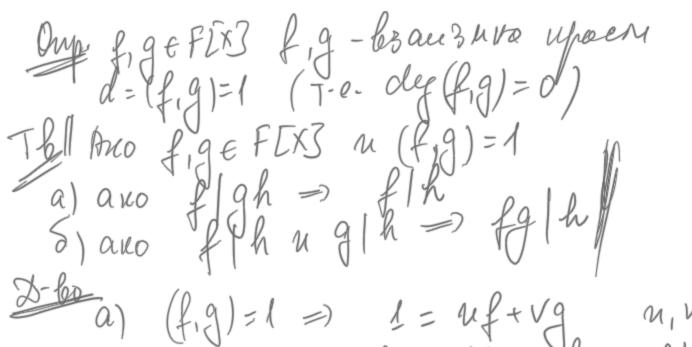
1 F-none, fige F[x] u noute equipe noute tou \$0 6 F[x] e Hoss Ha fig. Koraso 2) Ano di & FIX3 Touxob re disfudig, voraber e us won veus re disquid The state of the policy of the

- HOD (f, 0) = of, alga = 0

Toroba crancerbyla t- HOD Har I ug wing to excuserbyla to FEX7, Toronbar re d= HOD(P,g)= ref+vg= (f,g) Hera de Herrelo of M. nouto una min crener B => d = uf + vg (u, v & FLX3) 2 = t,f+919 l=p.d+2 lell; l=t,f+9 =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg) = (t_1 - pu)f + (g_1 - pv)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g| - p(uf + vg)g$ =>  $\chi = |t_1f + g_1g|$  Ano di | f u dil g => di | => d = HOD | f , g ) = u f + v g No eep. Ha way Hawn e sagantil. Pasin (A-65 naer Ha 49, noci) bester Church nonevous una deed = 0 = U= (5)+(x) u 16 su ugean He e Maleur (5)

Clebo t, MGFLXZ F-none Arromite 49 9. M+E, def & Edepm t= t, m) 2 HD (m) E) 2) g= 9281+82 (g, vi) = an of Jutoug Lipaet of 3.6% 3elo Wi

FEX? VA = fluit fig & Fl [f19] = fi olg / fg = fig1 => gid|fidq 2 m/ f19 91/9 = fra 919/ = [fre] =)



Been year 45 FLXJe None -60 Hera INFLX? Jan. I= {D} = (0) => Hera deliato Anco f & I npousbone H des & C des

Oup | fight F[X] (F-none) f=g (modh), Koraro h(f-g) (1) f = g (mod h) 2=> koraro f, g gabai palettu
octatogu upu geneve Her t

h (f.  $\begin{array}{lll}
\text{(modh)} & \text{(h)} &$ 

Oftt = fitt (modh) f=f1(modh) 3=> (2+±9= f1 191 (mod h g= 9, (mod a) t= Lit ( modh ! = figi (modh)

s = fi (modh) 5. 

201 Z2[X] f= x4+x3+1 e Z2[X] : (x10 = 9 (modf) g - min cienes  $+ x^{10} + x^{9} + x^{9}$   $+ x^{10} + x^{9} + x^{9}$   $+ x^{10} + x^{9} + x^{9}$ X10 = X3+X (modif) X7+ X6+ X5+XY + X6+ X3 X5+ X4+ K3

Tepeu ce he Zalis Z2[X] f= x4+x3+1 (x++x+1). h = 1 (mod f) Epeuse HOD (f, x7+x71) 9=f.(x+x+x+1)+ X f=x(x3+x2)+1 x = 1.x +0 1= f+x (x3-x2)= XYXXSXXXY = f+ (g+f(x3+x2+x+1))(x3+x2)= 9(x+x2)+ f(x3+x+x+1)(x3+x2)