Семинар 21, 27.02.24 - Бельдиев (1R + , +) - KONGE (IR +) - KOMNYT. PRYMA (ab)c = a(bc)a(b+c) = ab + ac(b+c) a = ba + ca IR Kommyrarubus, eenu: ab=ba VabelR IR -кольчо с единичей, если: 31 є IR, 7.4. 1. а = 0.1 = а Уаев #63.1. (3) Q[V2] = [a+bJ2 | a,b & Q] (a+ bos) (c+dos) = (ac + 2bd) + (ad + bc) 52 (a+ b 52) + (c+ d 52) = (a+c) + (b+d)52 (u) {x - yil | xy e Q} (x+y=1/2)(2+t=1/2) = x2 + (xt + y2)=1/2 + yt = a + b=1/2 1/2. 1/2 = 1/4 = a+ 6/1/2 $(\sqrt[3]{1} - 6\sqrt[3]{2} - a = 0$ 352 - Kopens x - bx-a=0 $\sqrt[3]{2} = \frac{b \pm \sqrt{b^2 + 4a}}{2} = \frac{b}{2} \pm \sqrt{\frac{b^2 + 4a}{4}} = 5 \pm \sqrt{t}$ 2 = 5 + 35 Vt + 35t + tVt 2-5-3st = ± Vt(3s2+t) St & Q

#63.2 (a)
$$A = A^{7}$$
 $(A \cdot B)^{7} \stackrel{?}{=} A \cdot B$
 $A^{7} \cdot B^{7} = A + B$
 $(AB)^{7} \stackrel{?}{=} AB$
 $BA^{7} = BA \implies He \text{ Kontyo}$
 $(a) \begin{pmatrix} x & y \\ ay & x \end{pmatrix}, & x, y \in \mathbb{Z}$
 $\begin{pmatrix} x & y \\ ay & x \end{pmatrix}, & x, y \in \mathbb{Z}$
 $\begin{pmatrix} x & y \\ ay & x \end{pmatrix}, & x, y \in \mathbb{Z}$
 $\begin{pmatrix} x & y \\ ay & x \end{pmatrix}, & \begin{pmatrix} x & y \\ ay & x \end{pmatrix} = \begin{pmatrix} x_{1}x_{2} & y_{1}x_{2} & y_{2}x_{3} & y_{2}x_{3} & y_{3}x_{4} & y_{3}x_{4}$

ax + by = d x, y - Heuz B. d: 400 (a,b) - pewerun ver d: UOD(a,b) - pem. ecre ax+by = 40D(a, b) a(x) +(x) + b(x) g(x) = HOD(+(x), g(x)) f=g.q.+v. v.= 1.f+(-q.)g 9 = V. 92 + V2 = 92 (f-g.91) + V2 12=9-92+ +929.9 = (-92)+ + (1+9.9)g $V_1 = V_2 q_3 + V_3$; $V_3 = V_1 - V_2 q_3 = a_1 + b_1 q_2 - q_3 (a_2 + b_2 q_3) = a_3 + b_1 q_2$ $(f,g) \rightarrow (r,g) \rightarrow (r,r_1) \rightarrow (r_3,r_2) \rightarrow (r_3,r_4)$ #25.3a $f(x) = x^4 + 2x^3 - x^2 - 4x - 2$ $g(x) = x^4 + x^3 - x^2 - 2x - 2$ (1) $y'' + 2x^3 - x^2 - 4x - 2$ $y'' + x^3 - 1x^2 - 2x - 2$ $y''' + x^3 - x^2 - 2x - 2$ 1 $x^3 - 2x = r$, (3) x^3 1 (3) $x^{3}-2x \mid x^{2}-2$ $x^{2}-2x \mid x$ 0 > $y = x^{2}-2$ $V_1 = x^3 - 2x = f - g$ x-2=-(x+1)++(x+2)g g = (x+1)(f-g) + 1/2 (=> 1/2 = g-(x+1)(f-g) = -(x+1)f + (x+2)g

HSE