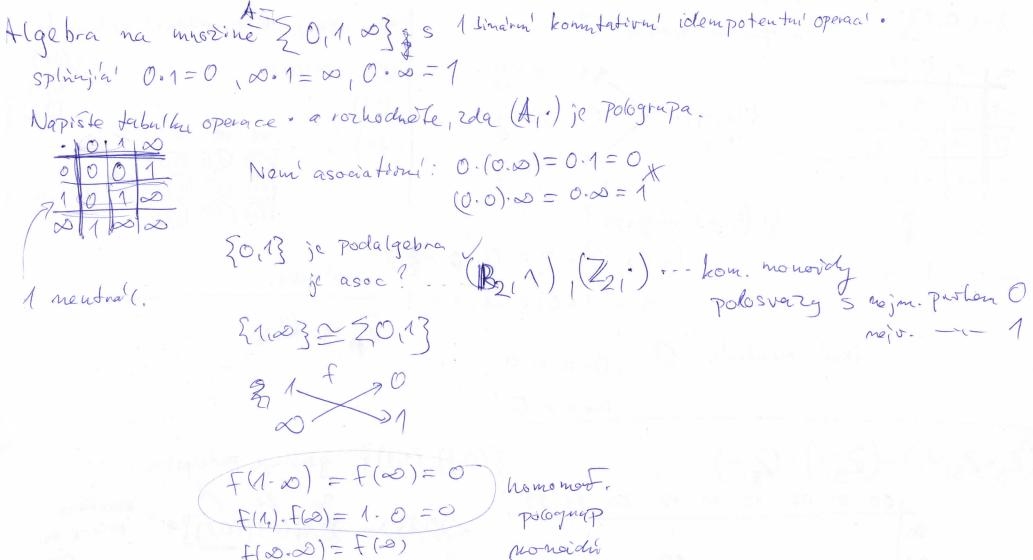
Jazyk K -- 1 fm. sym f (2) 7 (2) SEY ? $\varphi \equiv P(x, f(x, x))$ MES) & $\chi \equiv p(x, f(x,y))$ 1, P(a,b) = a < b 4 = PK,4) -> += PK,+(4,2) $\pm (a_1b) = a + |b|$ MA 1) Hleda'me realizaci R RF4 P(x, f(y, 2)) >> P(x, f(7,2)) univ. Z fr (a, b) = a-b D(YIFIYZ) X PR (a,b) (=> |a| ≥ 5 |a| gal = a-a ... neni gravdive P(x,4) -> (HZ) P(x, F(421) je splueno T={P(x,x), P(x,y) AP(y,x) = y 2) T. .. teoric usporadaland ... (D(x,4) 1 P(4.5) -> P(x, 2) } i: RET! Prenexun toan 0 = 6 Hz (P(x,9) -> P(x, f(412))) -5 ± 5 R(-5,5) F5125 1 1512-5

Prevod Fle de prenex. franc Přejme rovaim promonných (fx pkiy) -> 3x Hyq (Riy)) -> 3z (49 & P(29) No lna' >= x' > +3x 9(x,7)) Remark)-9 = 1 (+x)→9 = 3×(p→9)1. (Hx'p(x'y) -> 7x' +y'q(x'y')) -> 72+49 (Jx) >9 = 4x(D->9)2. (Hg P(2,9) D-> Oxg = Ox(D->9/30 +× (+ý(Pκ'y) → 9κ'y)) → ∃≥ +y ∃×(P(2×) → 9κ,91)) $(J \times P \vee J \times q) = J \times (P \vee q)$ V 7(HXP) V Fyq 4×' Jz ((P(x,y) → 9(x,z)) → 4y Jx (P(z,x) → 9(x,7))) (((P(x))) > (P(x,x)) > (P(x,x)) > (P(x,x))) XENPXE V 9TXE JX (TDV 9y xx) $43\times(P\rightarrow q_{y\rightarrow x})=4\times P\rightarrow3\times q^{4}$



f(2.2)= f(2) F(00) F(00)

B= 2-1,0,13 generajene ékvivalenci relaa! R (a podita operace * ? {(00) $f(x,y) = \begin{cases} 0 & x = y \\ 0 & x = y \end{cases}$ (00)(01)(02) (11) (22) ge (B *) 30 (0 grapa? $(-1 \times -1) \times 0 = 0 \times 0 = 0 X Zi F(Key) $-1 \times (-1 \times 0) = -1 \times 1 = 1$ Zpe pe tileso levy newtral. : 0 0 * a = a a * a = 0 $(\mathbb{Z}_3 \times \mathbb{Z}_3 \oplus) = (\mathbb{Z}_3 +) \times (\mathbb{Z}_3 +)$ {(0,2), (1,1)} generaje podelgebra (20,23) = 30,0, (01) (0,2) 34 relace mg ({1,13}) = {(0,0),(11),(22)} a kongruence (k, e) & (0,2), (1,1) = M Jon ((0,2)) X (k, h) < < ?1,137 <(11)> V $(44)+(2-4)(0.1) \in M$ Chrivalence? (0.21) (0,2) = R (2,0) & R

A= {a,b,c,d} + -- volus nonoid 2 praisable slava = rangina voich slow mad A uvaringme $P = \{(ac, E), (ca, E), (bd, E), (db, E)\}$ => X,B,JEA relaci Regenerajane kongraenci nastrovoida (4*.) LPB => KHP BH Popiste relaci q ma obecujoh slovech -11- falctorong monord Af abac (ab aachde PEpdb AS = M = { reférere holosahujdal

podretère ac, ca, bd, db }
je homot. M < A* ab.ac acgé Na M Zavedeme operari @ aOC = Zhracem a.c A* >> A* je asoc. [X] - > L bez Zaha'z. Petercii [a] -> a Je to homont? [c] -> c 4([x]-[B]) = 4([x]).4(B]) [ac] + a.c Q[[d.B]] = L.B po Zkrajeen/ mem homomy. (127) = & go zhracení (127) = B -u

inversely proby
$$\sqrt{2}q - 4e^{1eso}$$

= 7

= 4

 $\frac{1}{4} = \frac{2}{4}$

hleddine \times $4x = 1$ (-1)

 $(-4)x = -1$
 $-x = \frac{4}{4}$
 $0 = -\frac{1}{4} = -\frac{6}{4} = -\frac{3}{2} = \frac{1}{4} = \frac{2}{2}$

2. $4 = 8 = 9$

Bezontoux voroph

Enhand. $a(g)$

7: $4 = 1$
 $4: 3 = 1$
 $1 = 4-3$
 $3: 7-4$
 $4: 3 = 1$
 $1 = 4-(7-4) = -4+(7-4) = -$