Prillad 1 "Kazily Krone Adama ma) tamanida i Rely" (t/x) ((x=A) -> (Zy) (E(g,x) n p(g)) NEGACE: (3x) ((x±A) , (+y), (+y,x), p(y)) H (3x)((x+4) ~ (4y)((6,x)=> 7p(y)) "Existije nitus kdo neni plan a sander hena sidne kamarady 6 Paly" 6) (1AVB) (+(AD) logicky elvivolety K (=) M(GAVB) 1 (1C1D)) (1(AVB) 11(1C1D)) De Horganon lakom H((TAVB) N(TCND)) V (ANB N(CXTD)) distributivita H ((JANICAD) V (BNICAD)) V ((ANIBAC) V (ANIBAID)) DNT ((AnB) = ((CV 7D)) Stribene provide H (AAB) AT(CVID) H (AAB) A (TCAD) H AA BAT (AD De horgan 7 ((ANB) => (CVID) = (TAVB) (TCND) (TAVB) (TCAD) H 7 ((AAB) => (CV7 D)) NEPLATI hodnory naps, a=0 c=0 b=0 d=1 Millad. 2 (\(\frac{\psi}{\psi}\)(\(\alpha^{\psi} - b^{\psi} \le \psi \omega^{\psi - 1}(\alpha - 6)) 9,662 0666a Resent parmot indexce 1) h=1 => a1-6161. a1-1 (a-6) a-b & a-b PLATI (a-b) ant1 - bn+1 & (h+1) - an (a-6) Dale nevim jek posnocra+. Ekovsela jsem ce t diekasu dostat pres morec a-b- = (a-b)-(a-1+a-2++a-2++--++ 2+-2+6+-1) ale nikam sem semadosiak

Priklad 3 množina X= {a,b,cd}; binarni relace P= 5(a,b),(b,b),(b,d),(c,a),(d,c)} REX - - (aRa); - (c Re), (ded) 1R X - (6R6) TR X - (cRa), (wRb) +> (cRb) 54 x - (aRb) de mersoip (bRa) AS X - (6R6) + 7(6R6) AN V-(Yx15ER)(KRY NYR3)=X=y) b) Exvivalence = synemet transitivitat reflexivita Relace S je: { (q,c), (b,a), (b,b), (c,d)} Nejmenši mohurnost relace S je 4. taždý prvek musi but v soe relairm. Faktorova mnozine X/(SOR)= { {a,6},5c3,5d3}

R2UT => synesicka) => T= { (b,a), (d,b)}

Priklad 4 A - 3x ANAKONDA 8 pismen N -Zz K -1x 0 - 1x D 1x a) zasadím si jedno pismeno ha náhodku mísro ha prevno b) A' je na bačatku nebo na kona 'A'je na Bacatku: 7! = 1260 2x « Aje na konci } 221260-360=2160 Racinaja i konáci 'A': 6! = 360 6! =360 C) všechny A' za seboo: AAA NNKOD Priklad 5

1) 362717 X= 987 (mod 9)

5⁷²³ x = 6 5+23 -> 5.5.5 -> 5.7 -> 8721 → 8. 8³²⁰ → 8. (8) "44 → 8.(1) 36 8× = 6 LCH(15,9)=45 X=3 => X= 9n+3; ne Z = => X1= { 3,12,21,30,39} x2= { 9, 24, 39 } 2) 25- 8x=7 (mod 30) +5 X-11X = \$ 393 6x= 12 X= 45N+39 ; NEZ 4x=6 (mad 15) x=6(4-1) 4 x= 9 > x= 15m+9, n ∈ Z