

Prevod: A > a, az ... an B m> A > a, A1 Amn - an B Andrews Andrews Andrews Andrews An-1 -> au An Toutehie na danem priblade: P1: A -> a A, ; A, -> bB, A -> bAz, Az -> cA B->6B, B->6B2, B2->6B3, B3->E - Sestrojle a formálue popisto alg. pro houlahenaei jázglu mad SEA tal, aby nysop byl KA. Votap: DVA  $M_1 = (Q_1, \Xi_1, \overline{Q_1}, \overline{Q_0}, \overline{F_1})$ ,  $V_1 \neq V_2 = (Q_2, \Xi_2, \overline{Q_2}, \overline{Q_0}, \overline{F_2})$  for into na observat. Jakove,  $V_2 \neq V_3 \neq V_4$ .  $V_3 \neq V_4 \neq V_5$ .  $V_4 \neq V_5 \neq V_6$ .  $V_5 \neq V_6 \neq V_6$ .  $V_6 \neq V_7 \neq V_7$ 

Meloda: 1. Q = Q1UQ2 2. 3 = Z1UZ2 3. J: Qx Z > 2 sestavile fat re topiqued tacz: 92 e o (91,a) (5) 92 = of (9110) V 92= J2 (91,a) V ( qu et, 1 92=02(q0,a)) 4. To = go 5. Je-li EEL(M2), par F=F1UF2 All jinal F=Fz.

Posa polod

Qn 1 Ozt Ø, fat

zavede e
Q1 = Q1 × £13

Q2 = Qz × £23

a prísluse aprovie

on a dz ner

on a dz

Sestroj de a formálne rapiste alg. pro shuffle jizylu dvou MA, Shey' hýsledý jazyl veprezentje KA.

- operace shuffle (11) had abeledon 3 - EII w = w || E = {w} pro west - awn || bw2 = 2a3 ( w, 11 bw2 ) U 263 (aw, 11 wz ); a, b = 3, w, w2 = 3+

Prevod 2 KA na EV (reseni vornic nad EV)
- Prevedte reservin rovnic mad EU næsledyter (A na EU:
- Co
1. seslavie sousleva vornic pro njse uvedej (4). X = a Y + E
Y = bX + aY + cZ $Z = dY + dZ + E$ $X = pX + q$
2. Vyresine solarenon soustavn X-p*q - tornici ==dY+dZ+E
uprovide ma Z = dZ + (d4+E)
Z= dt (dY+E) = dty+dt - dosadie do vornia prot:
- dosadile do vornice mot: Y = 6X+ aY + c (d+4+d+)=6X+aY+cd+4 Y = (a+cd+)4+ (6X+cd*)

Kleenelvo algebry

nonce A, 2 mjmade loustable 0 a 1, aperace + 1. 1 #

mad A je def. = 1 hold uvede o aperace a relace = 15 acq

vasej spec. aliez.

- Dolaste, se per Kleuebo algebry plah' nasledjian leva (L1): a=b ⇔ a≤b n b≤a.

Bilar. "=>": 1. Predpollaidere, se a=6.

2- 2 1 a 4-3: a+a=b e2 n1: a+b=b2 3 a def. 6: a 66 2 1 a A.3 apl. por b: a= 5+6 6. 2 5 a symetric est = : 6+6=9 7- 26 a 1 : 6+a= a 8. e7 a def. = 6 = a 9. E 4 a 8 mareité a 66 à b Ea. I 1. Predpolladere re all abéa. 2. e 1 a def. E : a+5=6 a b+a=a. 22(b) a A2: a+b= a 2 3 a sychridosh: = = a = 9+6 2 2191 a 4: a=a+6=6 6. 25 a hansing = : a=6 - Datoste, so r kleenelo algebraich plahi Lale le a LZ: a ≤ b 1 b ≤ c ⇒ a ≤ c. - Sugnishi lemnad L1 a 12 dataste, së v Kleenebo algebraich plahi atat = at Dulos: De M poslan Masal, ce atat & at a at Eatat. a) ulase, le a tat = at : 1. Ugjde e avien A10: 1+ aat = at 2. ×1 (410) a L1: (4aa# = a#) 3. Uharde, se a 4 1+aa+ a) 2 reflectivity "=": 1= aa# = 1+ ga# by e 3a a A-3: 1+ (aa+ aa+) = 1+ aa+ c) 2 36 a A.1: (1+aa+)+aa+= 1-aa+ d) 2 3c a A-2: aat + (1+aat) = 1+aat er e 3d a def. E: aat = 1+aat K, Uhase, se at at 1. A.10: 1+ aat = at E reflecte : atat = atat

21,2: ata= at (1+aa+) 23 a A. 8: ata = Miller at 1+ ata at 2 4 a 46: ata = at + ata at e 5 a M: lat + ataat, & atat Méssère, ce at L'at a d'a at : a) 2 vefluity =: at a at = at + ata at b) 2 7a a As: (atrat) + ata at = atrataat c) & 76 a A1: at + (at + at a at) = 9 + at a at, d) se 7c a def. L: a# = a# + atagt 8. 26,7 a C2: a\* E ata\*.

def.  $\{ w_1' - w_1'' \cdot w_2' - w_2'' \mid \forall 1 \leq i \leq m : w_1 \in \mathbb{Z}_1 \}$ Heleroi  $\{ w_1' - w_1'' \cdot w_2' - w_2'' \mid \forall 1 \leq i \leq m : w_1 \in \mathbb{Z}_1 \}$ Heleroi definery we 2 min 203 - læde prir. æle man - stan zvolet met a n=0.

- pro liberale man j mjsledet negáté prir. cisla é  $= 2 \text{ We D' } | \text{ k} \geq 0 \text{ g} = \text{ UD'} = \text{ D}^{*}$   $\text{def. U k} \geq 0 \text{ def. U k} \geq 0 \text{ def. U}$