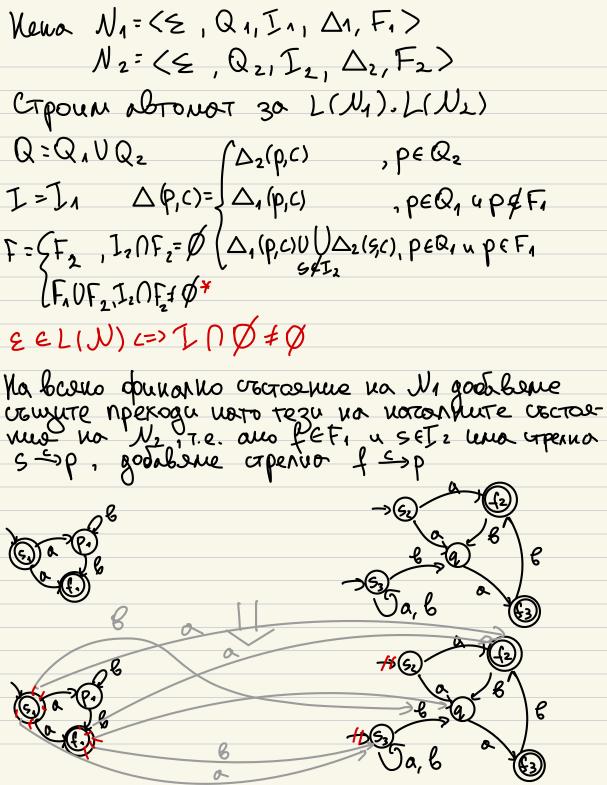
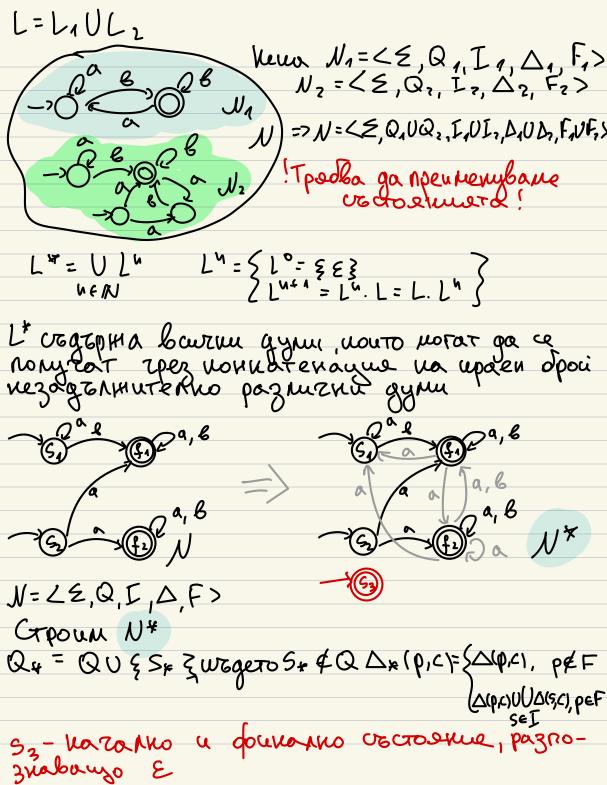
Медетеринирани автопоти~ 3a ezun L: una get. abronar A: L(A)=L una veget. abronat N:2(N)=L = \$d.B| deL, BEL23

 $\mathcal{V}_1$ 





~Pergnaphin uzpazu u ezunu ~ Dedolferynapan uzpaz u Usotbeten perynapan eguu: \* E e pergrapeu uspaz ( ezur L= { E } + Ø e perynapen uzpaz c ezua Ø

t za baua dyuba J∈ € Je peryhepen uzpaz « ezuk €J}

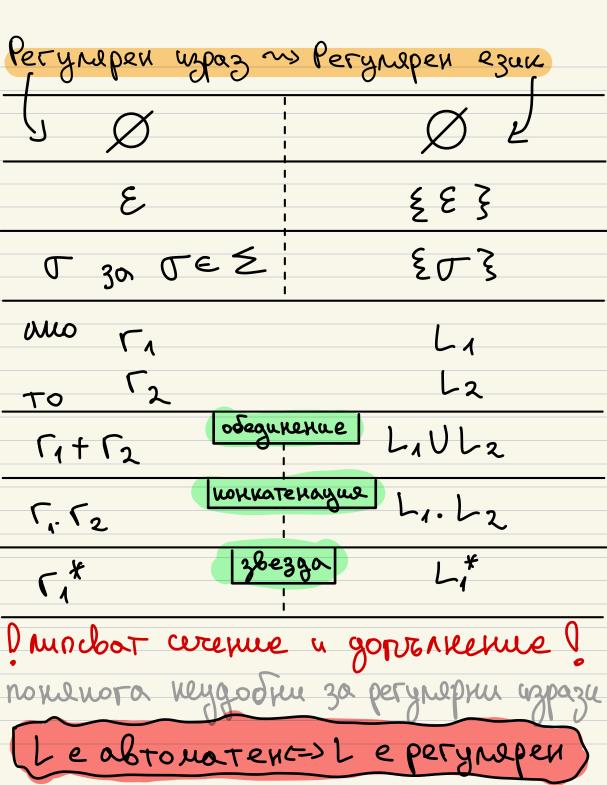
Neva r, u rz ca peryraphu uzpazu coc cootb. ezuvu L, u Lz, toraba:

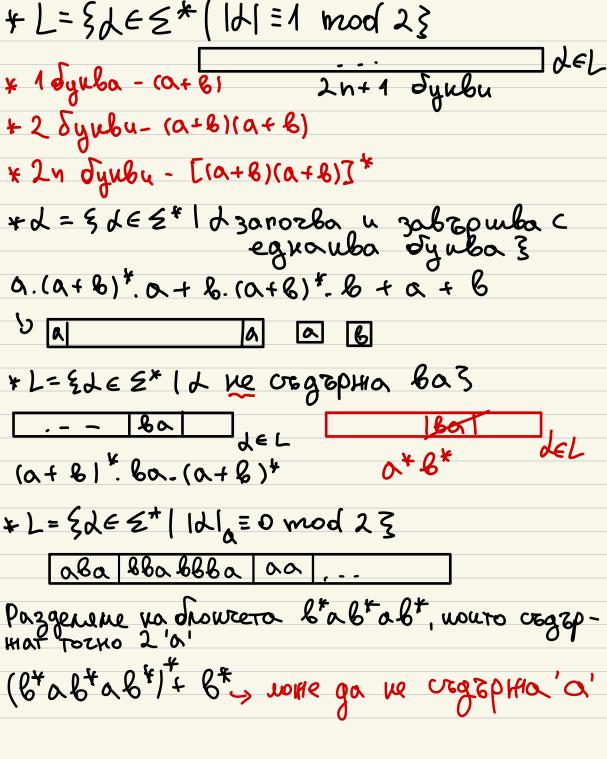
· 1, + 12 e petymaper uspaz c ezur L. UL. · 17.12 e perynepen uspaz c ezux L. Le

· 1, \* e perymepen uz paz e ezune L\* Npunep:

r=(a+8)\*a.b.a\*+6\* v3paz (9030983) \* 903.963, 903+ U 9BZ\* ezun

uzkog: garu protobape na madrona r





+ L = \ L \ \ | | | | | | | = 0 mod 2 u | | | | | = 1 mod 2 } DCD, re perymapen L= &d < E\* 1 |d|a=0 mod 2 } () {d < E\* | |d| | | = 1 mool 2 } per uspaz ra per uspaz ra 3ag. Da le goualle re ano Le peryraper 100 le estimate ins(l) = EdabldBELE Como es peryraper Dbo: Ukayund no nocrpoemieto ka L, Te ins (L) & perympen  $4 \text{ ins}(\emptyset) = \emptyset - \text{perynaper exul}$   $4 \text{ ins}(\xi \xi \xi) = \xi. \alpha. \xi = \alpha - \text{per. exul}$   $4 \text{ ins}(\xi \xi) = \xi. \alpha. \xi = \alpha - \text{per. exul}$   $4 \text{ ins}(\xi \xi) = \xi. \alpha. \xi = \alpha - \text{per. exul}$ baza: = T. O. E U. K: Kena zhaem, Te Tb. e b cura za Liu Lz (T.e. ins(L1) a ins(L2)) N.(: Apegnonarame, te ins(L1ULz), ins(L1.Lz), ins(L4) ca perymapku + ins(LaUL2)= {das | dbel, UL, }=

= ins (L1) Uins(L2)

No U.X. ezhuute in  $S(L_1)$  u in  $S(L_2)$  ca pery-where u rowerse u' zanazba peryreprocetta, to in  $S(L_1)$  U in  $S(L_2)$  = in  $S(L_1 \cup L_2)$  e peryrepen xins(L1. L2)= ins(L1), L2 + L1. ins(L2) ELA EL2 L=L1.L2 B-60: 1) ins(L1.L2) ⊆ ins(L1). L2UL1. ins(L2) Hero  $\mu \in ins(L_1, L_2)$ Toraba  $\mu = dab$ ,  $\omega_1 \in L_1$   $\omega_2 \in L_2$   $\omega_3 \in L_4$   $\omega_4 \in L_4$   $\omega_5 \in L_2$ Toraba  $d. \beta = \omega_1 \omega_2$ , usage  $\omega_4 \in L_4$   $\omega_2 \in L_2$ I any can I Walf Idl L=W1.W2' B=W2" W2. W2 = W2 E L2 Wz a wz Eins (Lz) WIWZOWZ= LaBeLI.ins(L2) The Chyraci | W1 > d | p: 2 | a | B | w/w | Elns(L1) | w: : w/iw

> w1 a w1.w2 Eins(L1). L2 daß=h 2) ins(L1). L2 U L1. ins(L2) Sins (L1. L2) News peins 12). L2 U L1. ins (L2) Toraba 1) peins (L1). L2 , toraba una w, Eins (L1) w2EL2, p= W4. W2 WI = LAB, WEGETO DBELI Toraba n=w, w, = dag. w, 23EL1, W2EL2 diß W2) EL1.L2 La(BW2) Eins (L1.L2) 21 - CUMETPURKO 3) ins[L\*) EL EL EL .. LEL I. EL ins(L\*)= L\*. ins(L). L\* L\* ins(L) L\* D. 80: 1) Neur p & ins(L\*) Toraba n = das, 28 e L + dB= papz. Phillegero Neua d= N1 N2 -- pi+1' 3= n1+1"... Nn

n=das=(n1.. pi) ni+10 pi+1(ni+2.. pu)

EL\*

E 145(L) E 15 ni+1 ni+1 = ni+1 = L => ni+1 a ni+1 = ins(L) MGL+.ins(L). L+ 3ag. Keno Le perguspen ezun Don, re Lrev = { Lrev | LEL 3 e p.e. (Lrev = L zanucakas naodparno) D-60: Urgynner no noctp. no L bogo: + L= Ø Lrev = Ø ✓ + 2 = 8E3 Lrev = 8E3 V 4 L = & J 3 Lrev = & J 3 V U.V. Neur znorm, le equate Lieu « Le ca perynaphu U.C: 17 L=L1 UL2 Lrev= 82 rev [LEL3= 82 rev ] LELIULZ } = = EL rev | + EL13U & drev | de 123: Lieu U Leu

2) L= L1. L2 = L2 . L1ev (L1. L2) rev EL1 EL2

a1 a2 · · - an B1 b2 - · · BK pEL1-L2 Bubun. B1 an an-1. a1 E(L1.L2) ELTEV Toraba uses  $w \in L_1, L_2$   $\tau$ ,  $\tau$ e  $p = w^{rev}$   $(d.\beta)^{rev} = \beta^{rev}$ .  $\lambda^{rev} = \sqrt{rev}$ 20 F T 1 -> Plene Tien Bren reneT => DeTren \* Neur p & Lzev. Larev Toraba p=d.B, wegero delieu, Be Lieu Toralos Lreve L2, Breve L. Toraba n:d.B = (Brev. Lrev) rev Brev Lev & L => p & L rev 4 L=((L1)\*)rev

(Li) rev = (Liev)\* (L\*) rev = { wrev | w = L\* }= { (d, ...d, ) rev | diel3 = { Lrev, ... L'ev | L'ev | rev } = (Lrev, + 3ag. Neur Le pergrapeu ezux. Toraba Pref(L)={LEX\* HBEE\*)(LBEL)}
Couso e p.e. Pref (Ø) = Ø Pref (1)

Pref (503) = 563

Fref (503) = 56,03 E Preg (L) PrefIL1UL2)= Pref(L1)U Pref(L2) Pref(L1. L2)= Pref(L1) U L1. Pref(L2) Pref (L\*) = L\*. Pref (L) 30 Buongu: D-60:...

3ag. Da ce gou, le ano L e perynapen, sub(L) = { f | una gyna, B \in L, Tanaba \te & e noggyna na B } vous e pergrapen B=0102 -- On d=ailaiz. aik Wageto 141,4124... LIKEH nogrus 5 1 noggyna | XI | X - , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | X | , | D-bo: unayunul no no corpoenne to na L, re sub (L) & p. E.  $5a3a: *L=0 \longrightarrow sub(L)=0 | upauru$  $*L=E \longrightarrow sub(L)=9E3 | ->$  $*L=203 <math>\longrightarrow$  sub(L) = 9E,03 | per. U.X: Neur sub(L1) " sub(L2) cos perymepha U.C: \* sub (L1 UL2) = sub(L1) Usub(L2) \* sub(L1-L2) = sub(L1). sub(L2). X XX X X p EL, lz g-60 EL, EL2 & Gub(Lx)?