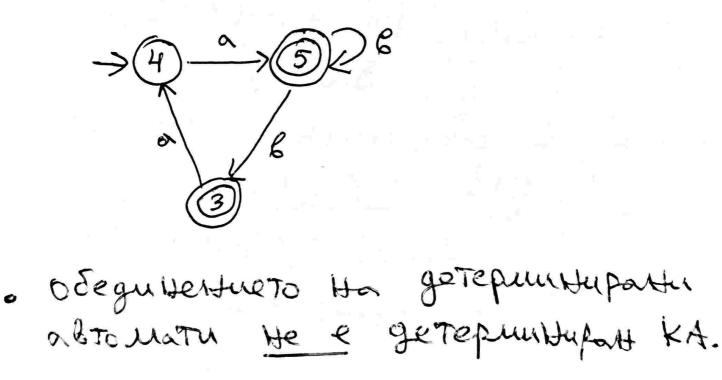
Barbopenoci Ha absolutifuse esuyu othocho Pergisphinte oriespondau (U, 0, *), corettue u gottomentue. Heka t'=(Q', Z, I', F', A') u H"=(Q", Σ, Ι", Ε", Δ") Ca KA Kato $Q' \cap Q'' = \emptyset$ (T.e. HAMAT OSagu CECT.). 1) OSegusterfue. KA to=(QbQ", Z, IbI", Fbf D'UD") una exuk pater Ha oбequitertueso Ha equipure Ha I'ut": L(to)= L(t')oL(t"). Honcruss, Barren y crement met buto e Taure B rocho egun or KA stud. OSPATHO, Breku yerrement 1787 & ga e or et una et" e koûto u u B Hu. ycreuch 17 muliep. 1.

11: >12 a 20 6

11: >12 a 20 A":

Moheme Q'nQ" + d, Recuretylashe
OECTORHURTA HA I" - Toba MO HUKAKB
HAZUH HAMA GA REPONETU GYMUTE,
KOUTO PAZTOZMALA: 1->4, 2->5;
Taka absolut c ezuk L(I)oL(I) e:



2) Cottentue. KA An c egux L(An) =

L(A') n L(A'') e

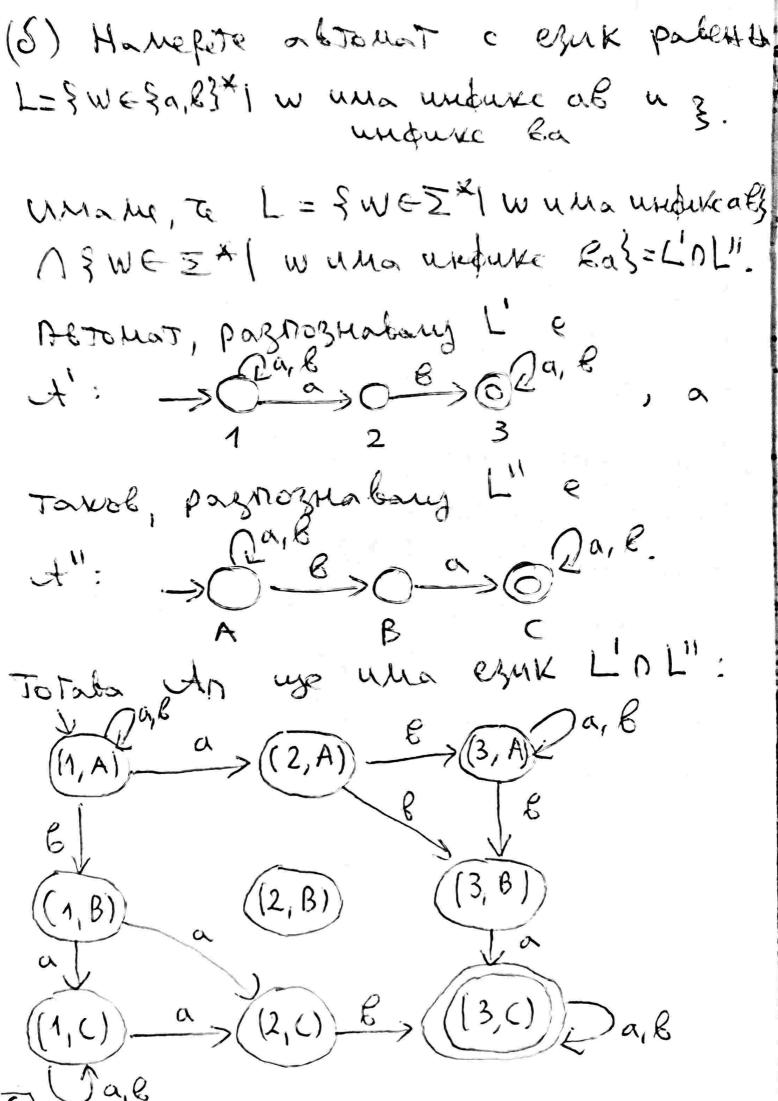
 $A_n = (Q' \times Q'', \Sigma, I' \times I'', F' \times F'', \Delta)$ Wiggeto:

 $\Delta = \{ ((q', q''), \alpha, (p', p'')) | (q', \alpha, p') \in \Delta' \}$

Taxa, boero d'ecroanine Ha Ut n una gle KollinoHelfill: MoMaria e Réciosifice Ha d', a brapara - crear. Ha d'. Egun Reexcog e 6 An, ako mpoekyusta na naplute kounchentu Ha voctobilista e mexog & it, a MORKIMSTA HA BTOPUTE KOLUMOHEHTU Ha voct. e mnexog & A" Kavo gbete proekynn und egun u vougu etuket: $(q',q'') \xrightarrow{\alpha} (p',p'') \Leftrightarrow q' \xrightarrow{\alpha} p' \qquad q'' \xrightarrow{\alpha} p''$ εA_{D} εA_{D} taxa W = a1 a2 --- an e etuker Ha yenrueu mor & An (90,90) a1 (91,91) => ... 1 (9/n-1,9/1) 2n/9/n,9/n Toraba y camo Totaba, kotato 17 3 Tumpata yo and glass gla--- gn-1 am gla u 90 m 91 m 92 -- 91 m 911

ca yenemen voorberno 6 et u et". Taka L(H) = L(H) , L(H). Mpnnep. 2. (a) it uit or Mpnnep.1. · Hazamo UGO. Ha An (1,1) 1. TREXOGN OT (1,1): OT & 1 -4 > 1, $1 \xrightarrow{\alpha} 2$ u $1 \xrightarrow{\alpha} 2$, To $\varepsilon \to 0$ $(1,1) \xrightarrow{A} (1,2) \quad u \quad (1,1) \xrightarrow{A} (2,2)$ Moderne Hama Mexicogn of 1 c & & A', TO HAMM TIPEXOG OF (1,1) CB Butn. 2. Mrexicque et (1,2): B 4" Hana Mrexicq ot 2 c Q, aleg. B An Hana mexceg or (1,2) c a. B et Hama The day of 1. cB, cheg. But A Ham Type xog or (1/2) c B. Taxa or (1,2) Homa usxogonya njekogu. 3. 1 pe xcqu et (2,2):0+(2,2) Halla 11 periog ca, 3amoro & A' Hana nexogor 2 77 ca. Oborce & t: 2 => 2 u

6 d": 2 => 2 4 2 => 3. Cueg. & An: (2,2) => (2,2) u $(2,2) \xrightarrow{g} (2,3).$ Hama ubexody 3. nperogu en (2,3): ca, zamoto E A' Hama Mexog or 2 ca; Hama Mrexegu c 2, 3 amoto 6 A" Hama Mexicogn or 30 E · dunaire l'octobble: camo Tezu, EULTO KOLLTOHENFU en fouraMU, CECTÉ. € x' u x": (2,2) u (2,3). Barku ceta Halm Vecto Atua He motat da gédat docutitatin et Hazanteto OEctoDelie; T.R. He lemat Ha Huto egut yorkhelt MET; Taka Memaxbattero un le mponeus eguis Ha abtomata. OKeHTateNHO: $A_n: \rightarrow ((1,1)) \xrightarrow{\alpha} ((2,2)) \xrightarrow{\beta} ((2,3))$



NOTO CECTORITUETO (2, B) E Hegocraskak.

OF HOTALHOTO a moske of Ege

MPO MAXHOTO.

JAPANICHEMUR. MOCFROUTE abromat, Kouto paznozmala L= qwefa, B3*1 I WIA e Herente uIWIE e Tertte 3

Cl-bo. Ako et uet ca géréphilitération.
To An Couje e géréphilitération.

3. gottenhenne. Hera $L \subseteq \mathbb{Z}^*$ e eguk tag \mathbb{Z} , keúto ce paznozhaba ot KA \mathcal{X} . Totaba $L = \mathbb{Z}^* \setminus L$ Uzugo e altomaten eguk, t.e. uma KA \mathcal{B} , \mathcal{T} . $L(\mathcal{B}) = L$. Deuctbutenhe, Hera $\mathcal{A}' = (\mathbb{Q}, \mathbb{Z}, q_c, F, \mathcal{S})$ e totaren kpuen getepminnpan abtomat c eguk $L(\mathcal{A}') = L(\mathcal{A}) = L$. \mathcal{A}' mome

ga le Hamefu e describro mo A: 17

aro A e Hegetephultupan, To Ad (et arrophisana za yerepundusanjus) e Totalen KLA (L(x)=L(x); aro roi le rotarwanta e godabaitero He idebo CECTOSHUR, KERTO Xbanya Bourku Hegeburtufantu ripexogy & A. Totala KA B= (Q, Z, go, QIF, S) (Callo alle allestula furtanto Cita Ha UECTOA HUETA & A') UMa EZUK L(B)=[Hancruta, Moterne A'u B ca 70701144 4 gerepunterparku 30 bc. gyera W=a1---an E= * una Tortho egun MET open TAXONY W3AX 4B Heka 90 = 91 = 92 --- ans gn e MZTAT npez LuB. TOTABA: WEL(B) ED GNEQIF (WEL(U)) HWEI.

Hamepeira KDA c ezuk Monnep. 3. L= ? W ∈ 3 a, 63×1 ab He e unquice Hm W3. 1 de ka Li = que sa, B3 x 1 al e un dupe Ha W3. Torala L= Ja, 63* / L1= L1. Li le possobrata et KA: $A: \longrightarrow 0 \xrightarrow{\alpha} 0 \xrightarrow{\epsilon} 0 \xrightarrow{\alpha, \epsilon}.$ KAA. parnoznabany L1 e Ad: $\rightarrow \{1\}$ $\xrightarrow{\alpha}$ $\{1,2\}$ $\xrightarrow{\alpha}$ $\{1,2,3\}$ $\xrightarrow{\alpha}$ $\{1,2,3\}$ Kairto e a Totaler. Citeg. La paymonthélion. 4) KOHKatemayur. KA Jecemk paken Ha L(t'). L(t") uMa: o ve gositus: Q'uQ"

- · Hazamtu UECTOSILIA: Hazalyterie
- CECTOSAMOS I! Ha A!; · paramer occosition: partautente UE CTORHUR Fa" Ha It"; puttantite ca printantin vectoring F' Ha it & Le Toroba u camo Toroba, etter Harasture Kotato MoHe egylo ot vector Hux Ha Lt" e Sulo u duplanto; T.R. KOTATO I"nF" # Ø. · Mexican: Mexicance & 4'u 4" OCTABAT; KIRCAKO EGNO OT BUHANHUTE VECTORHUR Ma et (He Zabuluno garu e финално в etc) re godalst apexoguie na basko egno or Harakhure cecroshus Ha it; T.e. and feF', iEI" ub et" una rrector i -> q, to & Ac

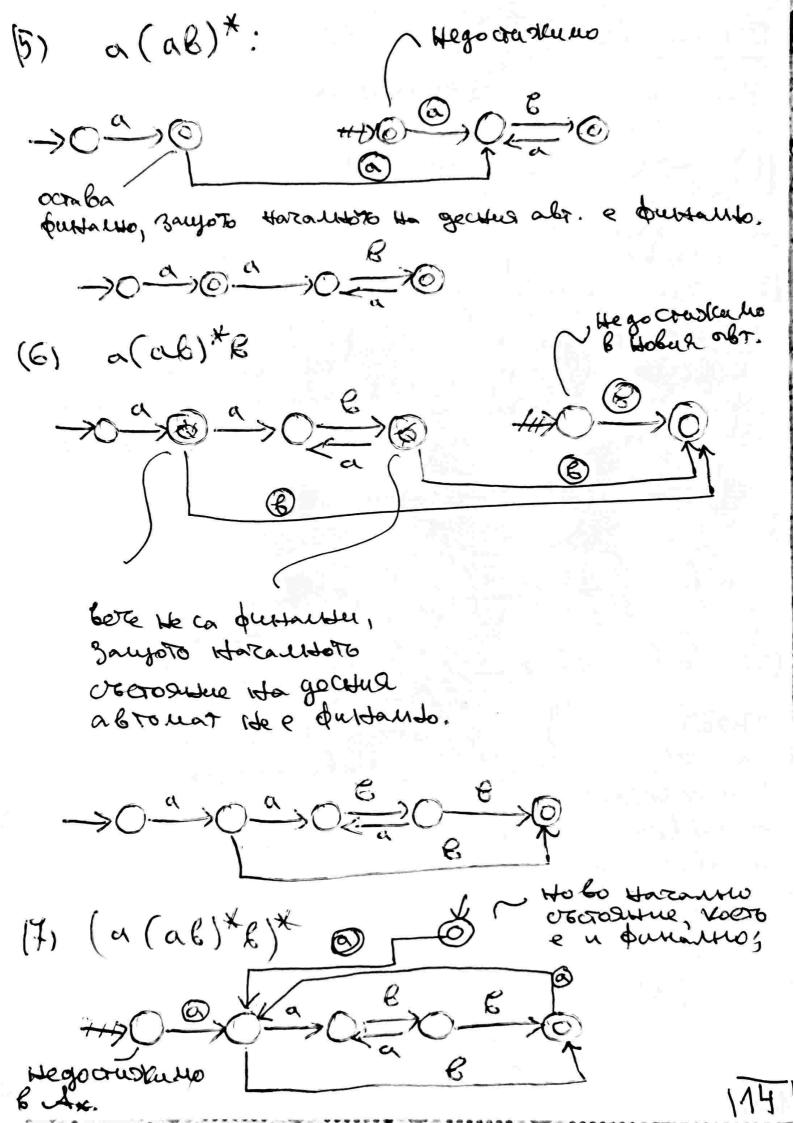
ce godales npexoga e =>9.

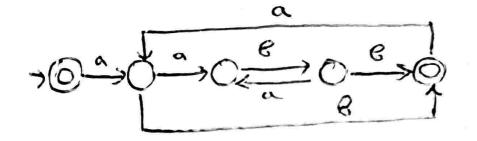
c 3a L(x). L(x") в

KAL, c exux palete Ha 5) Urepayus L(C+1) * UMa C. 72N3' NEC G, 19080 · CECTORIJUS! n (HobogodalaHito CECT.) : Hatalogo : herrored o FIU SN3 Remiku reposedu & ct'; · TRexogn: or Fush) godalene usagenjure MREXIGN Ha Harabburg cook. Hat, T.e. aro iEI', fEF'usuju i >q e mexige l', ro godaleme mexigen f ~ q. Monnep. 5. Ax: OF OF OF 0 918 0 87 a 18 87 у-13/11 10РА СЕУИЯ 2-11 12

Mruiep. 6. Hampete KA c ezuk, palen Ha Toque Ha perynaphus uspaz: (a(ab)*e)*. (1) ->0-10 3a (2) -0 6 0 30 ~ e -X-0 (3) za ab: roba 06 crosidue e Toba He e bette dustanko, Hegocku Kalu OT 3 augo 70 Ha Za Uto To 1ta Ha En MOTO U MOSME ga gechus abt. He e putton a Maxbe. >00000 0 E al: >0000000 (4) (ab)*: O E O Marker du Harser (1) (ab) *: O E O Marker du Harser (1) 1) lexografie (Tapoto Haran Ho. c Tapoto Hazallo e n dustanto vece, koño e Le go auskuno or Hobote Hazalto u moske ga ce Melascite. >0° 0€0 (al) x:

13





309-30 yspannihethe. Waronshaiku
Afiguru Hute Kotletjagnigur, McCTPoute
KA c egux, pabeth the Togu to per.
infoz: a (aUB)* UB*

1. a 19 W = SQL/B3×1 | Wa e TETHO3 = = 3 W = Sa, B3×1 | Wa e HeterHe3 | 115 1. 5=94,63, L=5* aba 5*. Toroks: E'L=L, a'L= {*ala {* v la {* * v la {* v la {* * v la {* la {* v la {* l (ab) [= 2*ala = * u a = * 8-1L= L 18-60. AKO L ce pargnoymals or objected (T.e. Le pery 19 pen), 10 30 le. 11. equies u-1/e perynaper. Herryo roberte, and ut=(Q,Z,qo,F,S) e KJA, Vouto e totalen, so u'IL Ce pargnermolo or KAA $\pm u = (Q, \Xi, \delta^*(q_0, u), F, \delta).$ Han Crafu, u'L= {UEX* | UVEL} = = {V E = x | Sx(qc, uv) EF} = = 3 v E E * 1 5 * (5 * (qc, u), v) E F } $= L(\lambda u).$

5*(q0,4) e equisitere de de vironthue Hat, go Keeto le cruta zorrozbaliku ot qo u Glegbaliku u: qo m; 5*(q0,4)