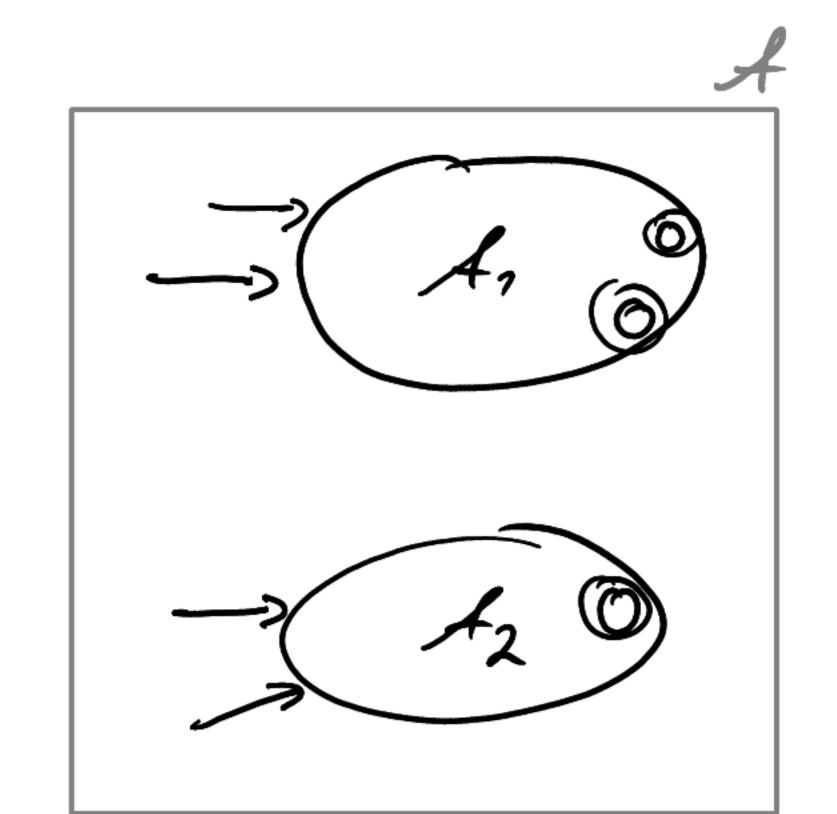
3 Onepagnu nag abnomamnu egnyu. Ber. Uzpazu.

$$A_n = (\Sigma, Q_n, I_n, A_n, F_n)$$

$$A_2 = (\Sigma, Q_2, I_2, D_2, F_2)$$

Osesurerue

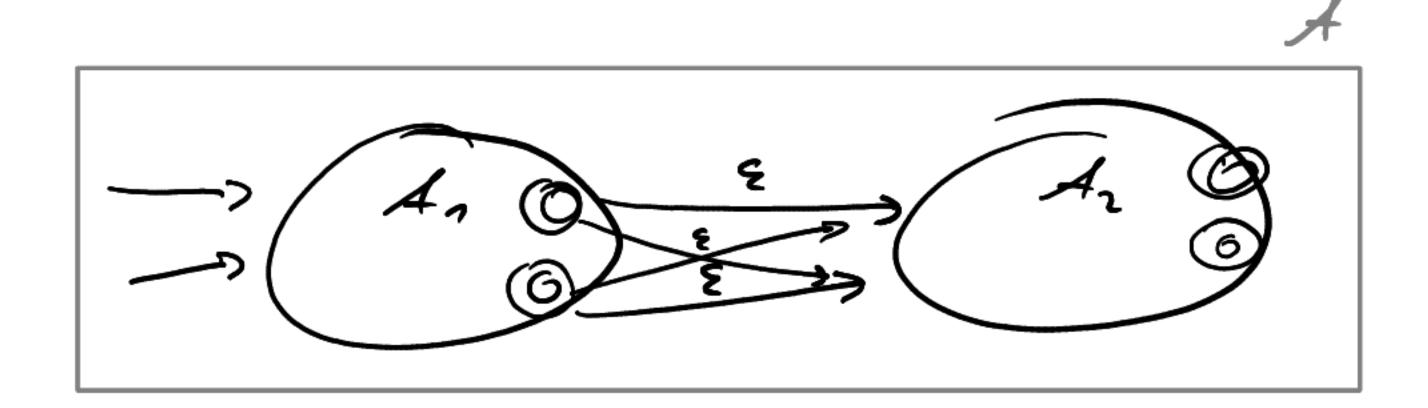
 $\mathcal{A}:=\left(\Sigma,Q_{1}\cup Q_{2},I_{1}\cup I_{2},A_{1}\cup A_{2},F_{1}\cup F_{2}\right)$



Konzamenague

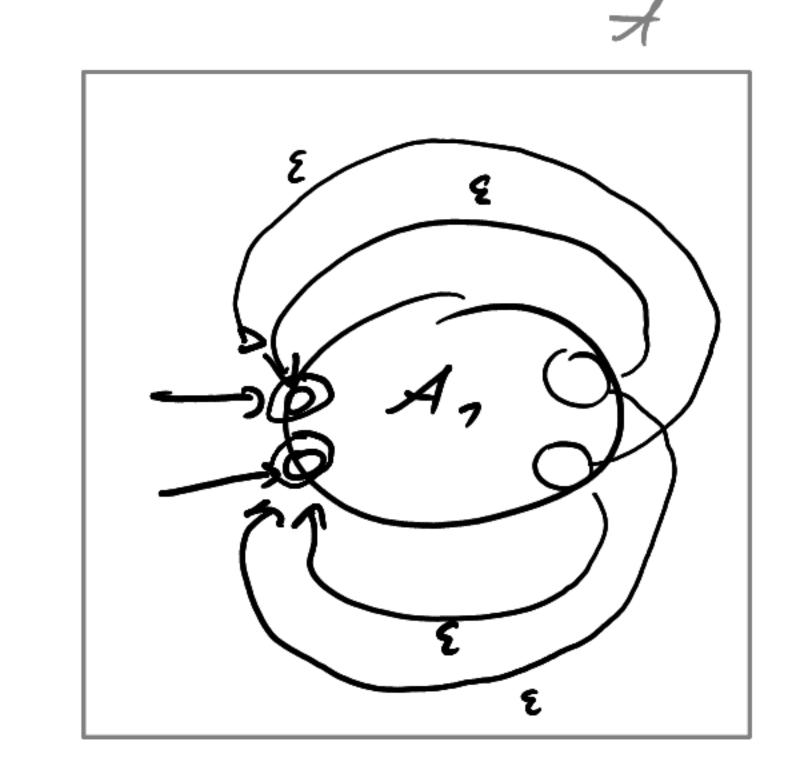
$$\mathcal{A} := (\Sigma, Q_1 \cup Q_2, I_1,$$

$$\Delta_1 \cup \Delta_2 \cup \{(s, \epsilon, f) \mid s \in F_1 \& f \in I_2 \}, F_2)$$



$$A:=(E,Q_1,I_1,A,I_1)$$

$$\Delta = \Delta_1 \cup \{(2, \epsilon, 2') \mid 2 \in F, k \ 2' \in I_1\}$$



$$\mathcal{L}_{\mathcal{A}} = (\Sigma, Q_1 \times Q_2, I_1 \times I_2, \Delta, F_1 \times F_2),$$
 $\mathcal{A} := (\Sigma, Q_1 \times Q_2, I_1 \times I_2, \Delta, F_1 \times F_2),$

$$A = \{(2, \alpha, 2, \beta) \in A, (2, \alpha, 2, \beta) \mid \alpha \in \Sigma, (2, \alpha, 2, \beta) \in A, k$$

Xogno $A = \{(2, \alpha, 2, \beta) \in A, k\}$

$$\begin{array}{l}
\mathcal{O}\left\{\left((q_{1},q_{2}),\mathcal{E},\left(q_{1},q_{2}\right)\middle|\left(q_{1},\mathcal{E},q_{1}'\right)\in\mathcal{A}_{1}\right\}\right.\\
\mathcal{O}\left\{\left((q_{1},q_{2}),\mathcal{E},\left(q_{1},q_{2}'\right)\middle|\left(q_{2},\mathcal{E},q_{2}'\right)\in\mathcal{A}_{2}\right\}\right.\\
\mathcal{O}\left\{\left((q_{1},q_{2}),\mathcal{E},\left(q_{1},q_{2}'\right)\middle|\left(q_{2},\mathcal{E},q_{2}'\right)\in\mathcal{A}_{2}\right\}\right.\\
\end{array}$$

Basara: Koncupyupaine abnoran

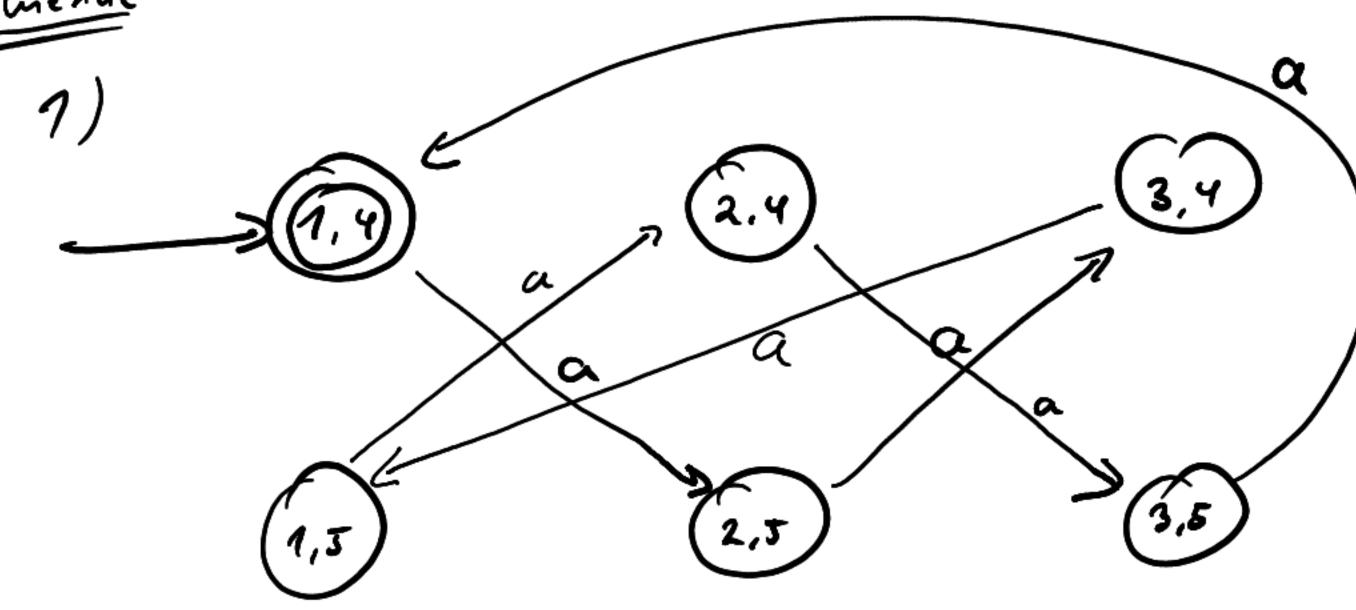
3)
$$L(A_2) \cap L(A_3)$$

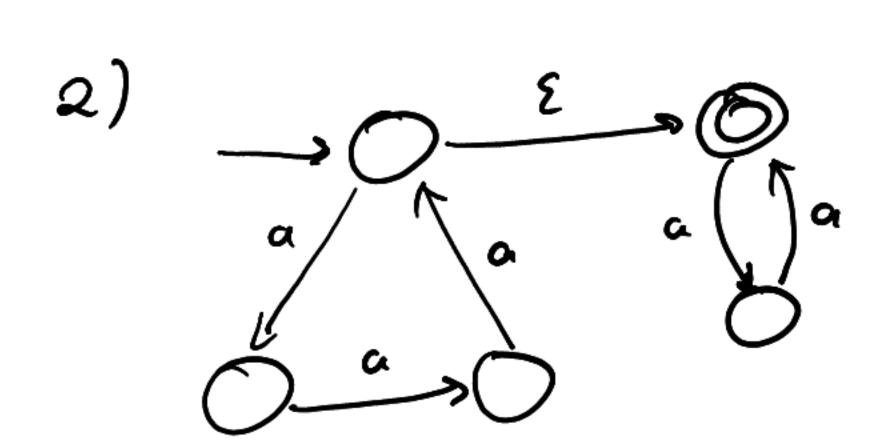
$$A_2: \longrightarrow 05$$

$$A_2: \rightarrow 6$$

Konempyupaine abnoram A c ezux:

2)
$$L(A) = L(A_1) \cdot L(A_2)$$





Dezgnephu uzpagu

Det Pezzieru ugragu:

Nexe E-assyra, +, *, ø, (,) \$ E

Pergraphu uzpazu kas E kapurane zymune kas azdyrana Eust, x, b, (,) }, gedunupanu mcka:

- 1) Ø e pezzagoix ugpag (ta e E) a e pezzagoix ugpag
- 2) Ano r_1 , r_2 (a pergraphu ugpagu, mo $(r_1 r_2)$ u $(r_1 + r_2)$ (a pergraphu ugpagu.
- 3) Ano y e pergrepen ugpag, no v e pergrepen ugpag

Det Egux na per ugprag:

- 1) L(p) = p $(\forall a \in \Sigma) L(a) = \{a\}$
- 2) $L((r_1 + r_2)) = L(r_1) \cup L(r_2)$ $L((r_1 r_2)) = L(r_1) \circ L(r_2)$
- 3) L(r*) = L(r)*

$$\frac{17punqu}{L(g^*) = \{\epsilon\}}$$

$$L(ab^*) = \{a\}. \{b\}^* = \{ab^n | n \in N\}$$

Det Ezux LEÉ * raparame perjuepen

aro e ezux na nexoù per uzpaz nag E

We Abnomanna eguja = Pergrepsu ezuga.

Koucmpyupaine abnovam 1, m.ze $L(A) = L((\alpha+6+c)^*ab(\alpha+6+c)^*)$

Comabene per ugpag kas agdyxana [= sa, 6, c}
c egur ...; Osockobème omzobopa cu.

- 1) L1 = { an | ne M3
- 2) L2= { Banb | nem, ken'}
- 3) L3= {W | W mosse ga voge Banger uneun agpec?
- 4) glournume upegemaberne na echeemberume ruena 5) Ls = {w | b w Hena cocegnu "a" }
- 6) 46 = { w/6 w una zemen spou "6" }
- 7) 1,
- 8) L5
- Una su repergrapeu ezugu!
- l'ezgregien su e equiton na nopegagame от правилно поставени схоби?

1/pungs Hexa L= = 2 a"/21n}, L= = {a"/3/n} Ucaque ga ranpalem abmonan e ezux 21.2. Vina gongeren, le ne e orebugno nan ge ce xoxempgupan abmaranu ze L, u Lz, za xoumo ge npuromum zokempszynena za zokzamerague. Pagnesasane L= \(a^n \ | 2 \ln \) \cdot \\ \(\lambda^m \ | 3 \ln \) = \\

ded \(\text{n+m} \ | 2 \ln \text{ln } 3 \ln \) \(\text{r} \) \(\text{q} \in \text{N} \) \\
= \{ \alpha^n \ | 2 \ln \text{ln } 3 \ln \} \) \(- \{ \alpha^m \ | \text{r} \q \in \text{N} \} \) cera upobepelogne onebugueme cryran cera ye gonnmen no ungjuse, re gabe. 122 at El U.5: a² e l, a³ e l UP. Hexa & be 25k4h $a^{h} = a^{(h-2)}$. $a^{2} = a^{2.k_{0}+3.90}$. $a^{2} = a^{2.k_{0}+3.90}$. a = a 1 \$ 4 2 = a° & L u $Z = \{ \mathcal{E} \} \cup \{ a^n \mid n \geq 2 \} = \{ \mathcal{E} \} \cup \{ aa \} \cdot \{ a \}^* = \{ \mathcal{E} \} \cup \{ aa \} \cdot \{ a \}^* = \{ \mathcal{E} \} \cup \{ aa \} \cdot \{ a \}^* = \{ \mathcal{E} \} \cup \{ aa \} \cdot \{ a \}^* = \{ \mathcal{E} \} \cup \{ aa \} \cdot \{ a \}^* = \{ \mathcal{E} \} \cup \{ aa \} \cdot \{ a \}^* = \{ \mathcal{E} \} \cup \{ aa \} \cdot \{ a \}^* = \{ \mathcal{E} \} \cup \{ aa \} \cdot \{ a \}^* = \{ \mathcal{E} \} \cup \{ aa \} \cdot \{ a \}^* = \{ \mathcal{E} \} \cup \{ aa \} \cdot \{ a \}^* = \{ \mathcal{E} \} \cup \{ aa \} \cdot \{ a \} \cup \{ aa \}$ = L (p* + a a a*) * ouch land Ohnjx zpez uzgzenume noninfgxguu

Sadenemia

Oszakene brunckue, 20 B equa on uperxune 395 azu bere xoucmpyupaxme abnomam, exbubaneumen на тоди, по неговата структура бене по- сложна. Pagnemagemente la equente rano moncemba преди Сторитмигкото строене на автопати понекога bogu go no-njochu abnoranu u coombenno no-marxo

Chemku.