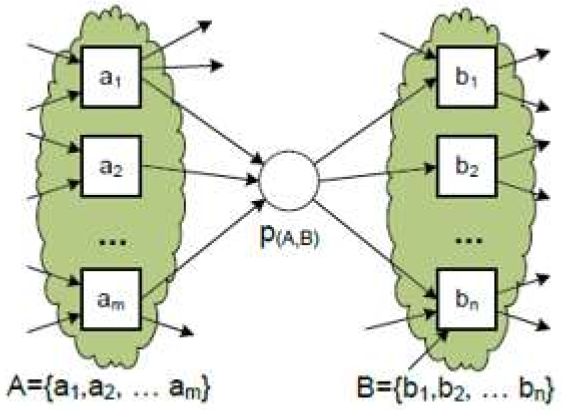
Az alfa algoritmus értelmezése:

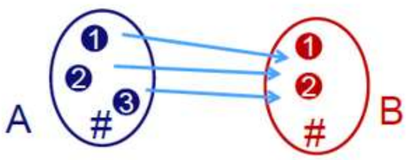
1. $T_L = \{ t \in T \mid \exists_{\sigma \in L}\, t \in \sigma \}$,

2. $T_I = \{ t \in T \mid \exists_{\sigma \in L}\, t = \mathit{first}(\sigma) \}$

3. $T_O = \{ t \in T \mid \exists_{\sigma \in L}\, t = \mathit{last}(\sigma) \}$

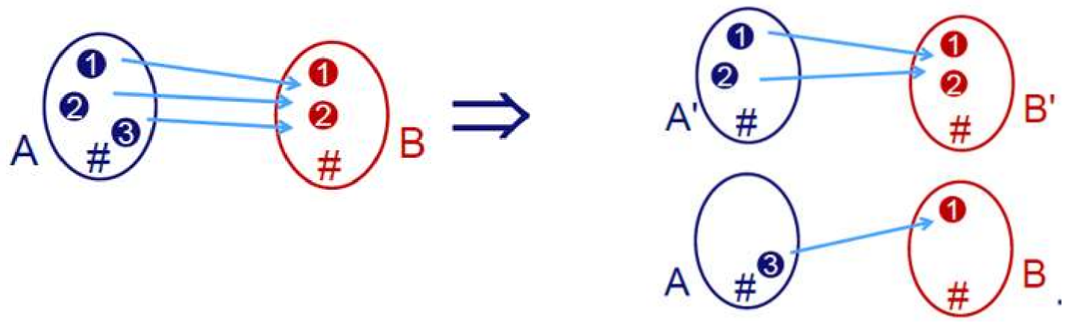


4. $X_L = \{ (A,B) \mid A \subseteq T_L \wedge A \neq \emptyset \wedge B \subseteq T_L \wedge B \neq \emptyset$
$\wedge \forall_{a \in A} \forall_{b \in B}\, a \rightarrow_L b$
$\wedge \forall_{a1,a2 \in A}\, a_1 \#_L a_2$
$\wedge \forall_{b1,b2 \in B}\, b_1 \#_L b_2 \}$,

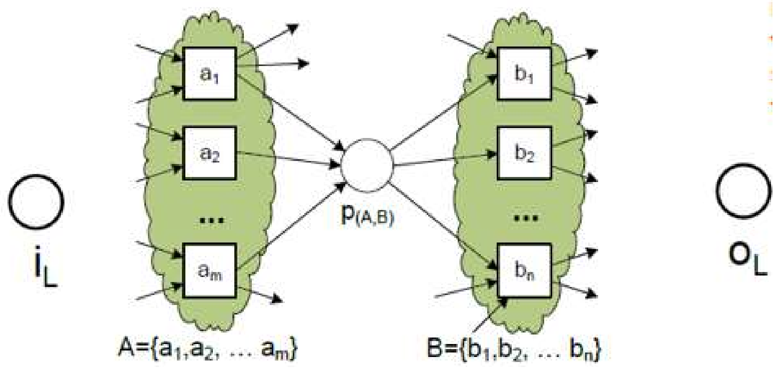


	a_1	a_2	…	a_m	b_1	b_2	…	b_n
a_1	#	#	…	#	→	→	…	→
a_2	#	#	…	#	→	→	…	→
…	…	…	…	…	…	…	…	…
a_m	#	#	…	#	→	→	…	→
b_1	←	←	…	←	#	#	…	#
b_2	←	←	…	←	#	#	…	#
…	…	…	…	…	…	…	…	…
b_n	←	←	…	←	#	#	…	#

5. $Y_L = \{ (A,B) \in X_L \mid$
$\forall_{(A',B') \in X_L}\, A \subseteq A' \wedge B \subseteq B' \Rightarrow (A,B) = (A',B') \}$



6. $P_L = \{ p_{(A,B)} \mid (A,B) \in Y_L \} \cup \{i_L, o_L\}$,

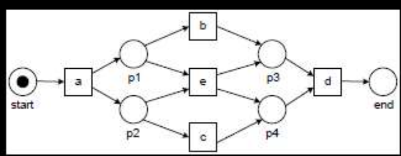


7. $F_L = \{ (a, p_{(A,B)}) \mid (A,B) \in Y_L \wedge a \in A \}$
$\cup \{ (p_{(A,B)}, b) \mid (A,B) \in Y_L \wedge b \in B \}$
$\cup \{ (i_L, t) \mid t \in T_I \} \cup \{ (t, o_L) \mid t \in T_O \}$

8. $\alpha(L) = (P_L, T_L, F_L)$

$$L_1 = [\langle a,b,c,d\rangle^3, \langle a,c,b,d\rangle^2, \langle a,e,d\rangle]$$

	a	b	c	d	e
a	$\#_{L_1}$	$\rightarrow_{L_1}$	$\rightarrow_{L_1}$	$\#_{L_1}$	$\rightarrow_{L_1}$
b	$\leftarrow_{L_1}$	$\#_{L_1}$	$\|_{L_1}$	$\rightarrow_{L_1}$	$\#_{L_1}$
c	$\leftarrow_{L_1}$	$\|_{L_1}$	$\#_{L_1}$	$\rightarrow_{L_1}$	$\#_{L_1}$
d	$\#_{L_1}$	$\leftarrow_{L_1}$	$\leftarrow_{L_1}$	$\#_{L_1}$	$\leftarrow_{L_1}$
e	$\leftarrow_{L_1}$	$\#_{L_1}$	$\#_{L_1}$	$\rightarrow_{L_1}$	$\#_{L_1}$



$$X_{L_1} = \{ \cancel{(\{a\},\{b\})}, \cancel{(\{a\},\{c\})}, \cancel{(\{a\},\{e\})}, (\{a\},\{b,e\}), (\{a\},\{c,e\}), \cancel{(\{b\},\{d\})}, \cancel{(\{c\},\{d\})}, \cancel{(\{e\},\{d\})}, (\{b,e\},\{d\}), (\{c,e\},\{d\}) \}$$

$$Y_{L_1} = \{ (\{a\},\{b,e\}), (\{a\},\{c,e\}), (\{b,e\},\{d\}), (\{c,e\},\{d\}) \}$$