

Tarea Compiladores

D M A

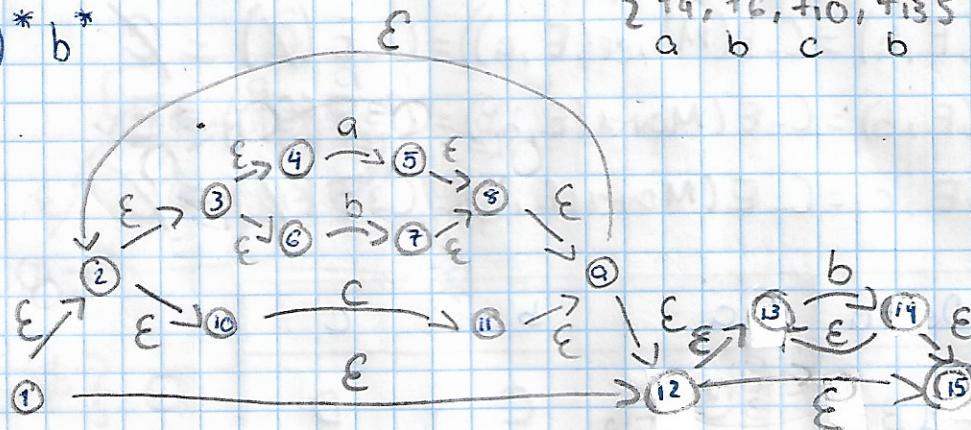
Scribe®

Se mueven con:

$$\{q_4, q_6, q_{10}, q_{13}\}$$

a b c b

$$1 - (alblc)^* b^*$$



$$\Sigma = \{a, b, c\}$$

$$C_E(q_4) = \{q_1, q_2, q_3, q_4, q_5, q_6, q_{10}, q_{12}, q_{13}, q_{15}\} = A$$

$$I_{r-A}(A, a) = C_E(Mover(A, a)) = C_E(q_5) = \{q_5, q_8, q_9, q_{12}, q_{13}, q_{15}\} = B$$

$$I_{r-A}(A, b) = C_E(Mover(A, b)) = C_E(q_7, q_{14}) = \{q_7, q_8, q_9, q_{12}, q_{13}, q_5, q_{14}\} = C$$

$$I_{r-A}(A, c) = C_E(Mover(A, c)) = C_E(q_{11}) = \{q_{11}, q_9, q_{12}, q_{13}, q_{15}\} = D$$

$$I_{r-A}(B, a) = C_E(Mover(B, a)) = C_E(\emptyset) = \emptyset$$

$$I_{r-A}(B, b) = C_E(Mover(B, b)) = C_E(q_{14}) = \{q_{14}, q_{13}, q_{15}\} = E$$

$$I_{r-A}(B, c) = C_E(Mover(B, c)) = C_E(\emptyset) = \emptyset$$

$$I_{r-A}(C, a) = C_E(Mover(C, a)) = C_E(\emptyset) = \emptyset$$

$$I_{r-A}(C, b) = C_E(Mover(C, b)) = C_E(q_{14}) = E$$

$$I_{r-A}(C, c) = C_E(Mover(C, c)) = C_E(\emptyset) = \emptyset$$

$$I_{r-A}(D, a) = C_E(Mover(D, a)) = C_E(\emptyset) = \emptyset$$

$$I_{r-A}(D, b) = C_E(Mover(D, b)) = C_E(q_{14}) = E$$

$$I_{r-A}(D, c) = C_E(Mover(D, c)) = C_E(\emptyset) = \emptyset$$

$$I_{r-A}(E, a) = C_E(Move_r(E, a)) = C_E(\emptyset) = \emptyset$$

$$I_{r-A}(E, b) = C_E(Move_r(E, b)) = C_E(\{q_1\}) = E$$

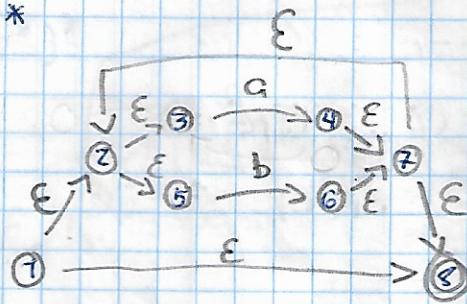
$$I_{r-A}(E, c) = C_E(Move_r(E, c)) = C_E(\emptyset) = \emptyset$$

Delta	a	b	c
A	B	C	D
B	C	E	\emptyset
C	\emptyset	E	\emptyset
D	\emptyset	E	\emptyset
E	\emptyset	E	\emptyset

Se mueven con:

$$\{q_3, q_5\}$$

a b

2- $(a|b)^*$ 

$$\Sigma = \{a, b\}$$

$$C_E(q_1) = \{q_1, q_2, q_3, q_5, q_8\} = A$$

$$I_{c-A}(A, a) = C_E(\text{Mover}(A, a)) = C_E(q_4) = \{q_4, q_7, q_2, q_3, q_5, q_8\} = B$$

$$I_{c-A}(A, b) = C_E(\text{Mover}(A, b)) = C_E(q_6) = \{q_6, q_7, q_2, q_3, q_5, q_8\} = C$$

$$I_{c-A}(B, a) = C_E(\text{Mover}(B, a)) = C_E(q_4) = B$$

$$I_{c-A}(B, b) = C_E(\text{Mover}(B, b)) = C_E(q_6) = C$$

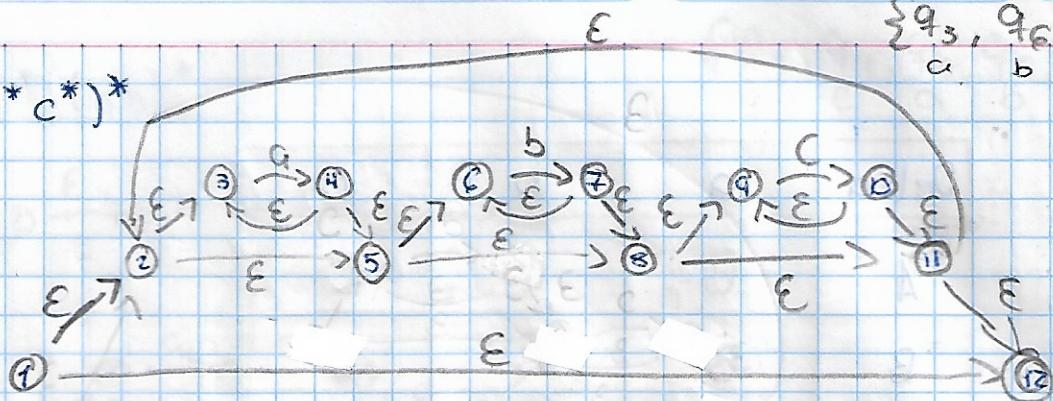
$$I_{c-A}(C, a) = C_E(\text{Mover}(C, a)) = C_E(q_4) = B$$

$$I_{c-A}(C, b) = C_E(\text{Mover}(C, b)) = C_E(q_6) = C$$

Delta	a	b
A	B	C
B	B	C
C	B	C

D M Se mueven con:
 $\{q_3, q_6, q_9\}$

$$3 \cdot (a^* b^* c^*)^*$$



$$\Sigma = \{a, b, c\}$$

$$C_E(q_1) = \{q_1, q_2, q_3, q_5, q_6, q_8, q_9, q_{11}, q_{12}\} = A$$

$$I_{C-A}(A, a) = C_E(\text{Move}_r(A, a)) = C_E(q_4) = \{q_2, q_3, q_4, q_5, q_6, q_8, q_{11}, q_{12}\} = B$$

$$I_{C-A}(A, b) = C_E(\text{Move}_r(A, b)) = C_E(q_7) = \{q_2, q_3, q_5, q_6, q_7, q_9, q_{11}, q_{12}\} = C$$

$$I_{C-A}(A, c) = C_E(\text{Move}_r(A, c)) = C_E(q_{10}) = \{q_2, q_3, q_5, q_6, q_7, q_9, q_{10}, q_{11}, q_{12}\} = D$$

$$I_{C-A}(B, a) = C_E(\text{Move}_r(B, a)) = C_E(q_4) = B$$

$$I_{C-A}(B, b) = C_E(\text{Move}_r(B, b)) = C_E(q_7) = C$$

$$I_{C-A}(B, c) = C_E(\text{Move}_r(B, c)) = C_E(q_{10}) = D$$

$$I_{C-A}(C, a) = C_E(\text{Move}_r(C, a)) = C_E(q_4) = B$$

$$I_{C-A}(C, b) = C_E(\text{Move}_r(C, b)) = C_E(q_7) = C$$

$$I_{C-A}(C, c) = C_E(\text{Move}_r(C, c)) = C_E(q_{10}) = D$$

$$I_{C-A}(D, a) = C_E(\text{Move}_r(D, a)) = C_E(q_4) = B$$

$$I_{C-A}(D, b) = C_E(\text{Move}_r(D, b)) = C_E(q_7) = C$$

$$I_{C-A}(D, c) = C_E(\text{Move}_r(D, c)) = C_E(q_{10}) = D$$

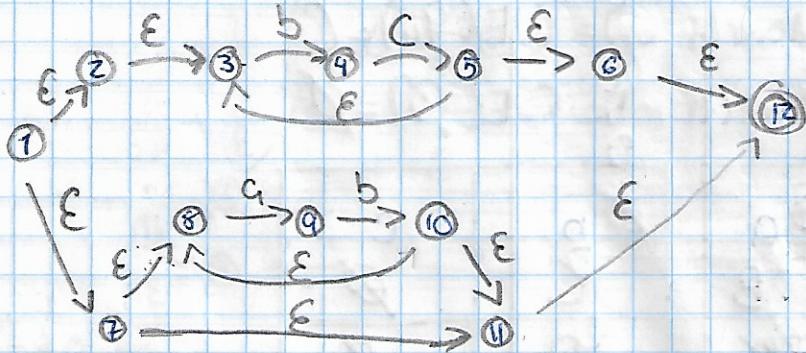
Delta	a	b	c
A	B	C	D
B	B	C	D
C	B	C	D
D	B	C	D

Se mueve con:

$$\{q_3, q_4, q_8, q_9\}$$

b c a b

$$q - (bc)^+ | (ab)^*$$



$$\Sigma = \{a, b, c\}$$

$$C_E(q_1) = \{q_1, q_2, q_3, q_7, q_8, q_{11}, q_{12}\} = A$$

$$I_{C-E}(A, a) = C_E(\text{Mover}(A, a)) = C_E(q_9) = \{q_9\} = B$$

$$I_{C-E}(A, b) = C_E(\text{Mover}(A, b)) = C_E(q_4) = \{q_4\} = C$$

$$I_{C-E}(A, c) = C_E(\text{Mover}(A, c)) = C_E(\emptyset) = \emptyset$$

$$I_{C-E}(B, a) = C_E(\text{Mover}(B, a)) = C_E(\emptyset) = \emptyset$$

$$I_{C-E}(B, b) = C_E(\text{Mover}(B, b)) = C_E(q_{10}) = \{q_{10}, q_{11}, q_{12}\} = D$$

$$I_{C-E}(B, c) = C_E(\text{Mover}(B, c)) = C_E(\emptyset) = \emptyset$$

$$I_{C-E}(C, a) = C_E(\text{Mover}(C, a)) = C_E(\emptyset) = \emptyset$$

$$I_{C-E}(C, b) = C_E(\text{Mover}(C, b)) = C_E(\emptyset) = \emptyset$$

$$I_{C-E}(C, c) = C_E(\text{Mover}(C, c)) = C_E(q_3) = \{q_5, q_3, q_6, q_{12}\} = E$$

$$I_{C-E}(D, a) = C_E(\text{Mover}(D, a)) = C_E(\emptyset) = \emptyset$$

$$I_{C-E}(D, b) = C_E(\text{Mover}(D, b)) = C_E(\emptyset) = \emptyset$$

$$I_{C-E}(D, c) = C_E(\text{Mover}(D, c)) = C_E(\emptyset) = \emptyset$$

$$I_{C-A}(E, a) = C - E(\text{Move}(E, a)) = C - E(\emptyset) = C$$

$$I_{C-A}(E, b) = C - E(\text{Move}(E, b)) = C - E(\{q_4\}) = C$$

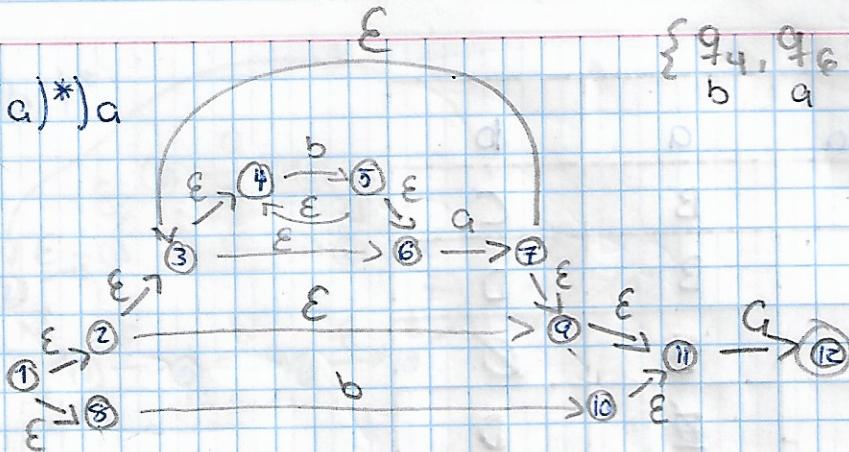
$$I_{C-A}(E, c) = C - E(\text{Move}(E, c)) = C - E(\{\emptyset\}) = C$$

Delta	a	b	c
A	B	C	\emptyset
B	\emptyset	D	\emptyset
C	\emptyset	\emptyset	E
D	\emptyset	\emptyset	\emptyset
F	\emptyset	C	\emptyset

Se mueve con:

$$\left\{ \begin{matrix} q_4, q_6, q_8, q_{11} \\ b \quad a \quad b \quad a \end{matrix} \right\}$$

$$5 - ((b|b^*a)^*)a$$



$$\Sigma = \{a, b\}$$

$$C_E(q_1) = \{q_1, q_2, q_3, q_4, q_6, q_8, q_9, q_{10}, q_{11}\} = A$$

$$I_{c-A}(A, a) = C_E(\text{Moves}(A, a)) = C_E(q_2, q_{12}) = \{q_2, q_3, q_4, q_6, q_9, q_{11}, q_{12}\} = B$$

$$I_{c-A}(A, b) = C_E(\text{Moves}(A, b)) = C_E(q_5, q_9) = \{q_5, q_6, q_9, q_{11}\} = C$$

$$I_{c-A}(B, a) = C_E(\text{Moves}(B, a)) = C_E(q_7, q_{12}) = B$$

$$I_{c-A}(B, b) = C_E(\text{Moves}(B, b)) = C_E(q_5) = \{q_5, q_4, q_6\} = D$$

$$I_{c-A}(C, a) = C_E(\text{Moves}(C, a)) = C_E(q_7, q_{12}) = B$$

$$I_{c-A}(C, b) = C_E(\text{Moves}(C, b)) = C_E(\emptyset) = \emptyset$$

$$I_{c-A}(D, a) = C_E(\text{Moves}(D, a)) = C_E(q_7) = \{q_7, q_3, q_7, q_6, q_9, q_{11}\} = E$$

$$I_{c-A}(D, b) = C_E(\text{Moves}(D, b)) = C_E(q_5) = D$$

$$I_{c-A}(E, a) = C_E(\text{Moves}(E, a)) = C_E(q_7, q_{12}) = B$$

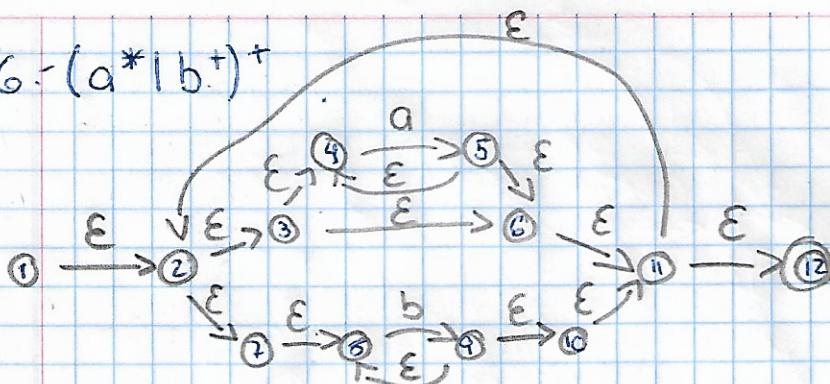
$$I_{c-A}(E, b) = C_E(\text{Moves}(E, b)) = C_E(q_5) = D$$

Delta	a	b
A	B	C
B	B	D
C	B	Ø
D	E	D
E	B	D

Se mueve con:

$$\begin{cases} q_4, q_8 \\ a \quad b \end{cases}$$

$$G = (a^* \mid b^+)^+$$



$$\Sigma = \{a, b\}$$

$$C_E(q_1) = \{q_1, q_2, q_3, q_4, q_6, q_7, q_8, q_{11}, q_{12}\} = A$$

$$I_{r-A}(A, a) = C_E(\text{Move}_r(A, a)) = C_E(q_5) = \{q_5, q_4, q_6, q_{11}, q_2, q_7, q_8, q_3, q_{12}\} = B$$

$$I_{r-A}(A, b) = C_E(\text{Move}_r(A, b)) = C_E(q_9) = \{q_9, q_{10}, q_{11}, q_{12}, q_8\} = C$$

$$I_{r-A}(B, a) = C_E(\text{Move}_r(B, a)) = C_E(q_5) = B$$

$$I_{r-A}(B, b) = C_E(\text{Move}_r(B, b)) = C_E(q_9) = C$$

$$I_{r-A}(C, a) = C_E(\text{Move}_r(C, a)) = C_E(\emptyset) = \emptyset$$

$$I_{r-A}(C, b) = C_E(\text{Move}_r(C, b)) = C_E(q_9) = C$$

Delta	a	b
A	B	C
B	B	C
C	\emptyset	C