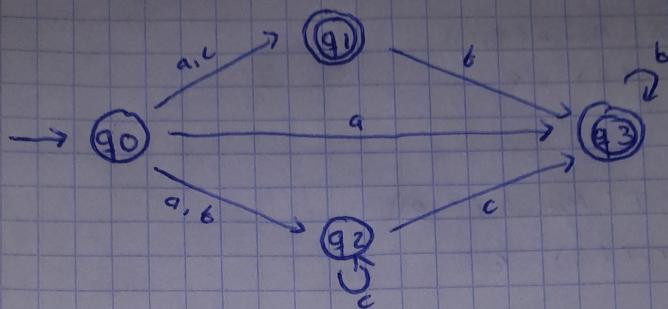


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Atajos:

a	b	c
$q_0 \rightarrow q_1$	$q_1 \rightarrow q_3$	$q_0 \rightarrow q_1$
$q_0 \rightarrow q_2$	$q_3 \rightarrow q_3$	$q_2 \rightarrow q_3$
$q_0 \rightarrow q_3$	$q_0 \rightarrow q_2$	$q_2 \rightarrow q_2$

$$C-E(q_0) = \{q_0\} = A$$

$$\begin{aligned} \exists r - A(A, a) &= C-E(\text{Mov\_A}(A, a)) \\ C-E(q_1) &= \{q_1\} = B \\ C-E(q_2) &= \{q_2\} = C \\ C-E(q_3) &= \{q_3\} = D \end{aligned} \quad \boxed{BCD}$$

$$\begin{aligned} \exists r - A(A, b) &= C-E(\text{Mov\_A}(A, b)) \\ C-E(q_2) &= \{q_2\} = C \end{aligned}$$

$$\begin{aligned} \exists r - A(A, c) &= C-E(\text{Mov\_A}(A, c)) \\ C-E(q_1) &= \{q_1\} = B \end{aligned}$$

$$\begin{aligned} \exists r - A(B, a) &= C-E(\text{Mov\_A}(B, a)) \\ C-E(\emptyset) &= \emptyset = E \end{aligned}$$

$$\begin{aligned} \exists r - A(B, b) &= C-E(\text{Mov\_A}(B, b)) \\ C-E(q_3) &= \{q_3\} = D \end{aligned}$$

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$$I_{r-A}(B,c) = C-E(Mov-A(B,c)) \\ = C-E(\epsilon) = \epsilon$$

$$I_{r-A}(C,a) = C-E(Mov-A(C,a)) \\ = C-E(\epsilon) = \epsilon$$

$$I_{r-A}(C,b) = C-E(Mov-A(C,b)) \\ = C-E(\epsilon) = \epsilon$$

$$I_{r-A}(C,c) = C-E(Mov-A(C,c)) \\ = C-E(q_2) = \frac{1}{2}q_2 \Rightarrow C \quad \boxed{C} \\ = C-E(q_3) = \frac{1}{2}q_3 \Rightarrow 0$$

$$I_{r-A}(D,a) = C-E(Mov-A(D,a)) \\ = C-E(\epsilon) = \epsilon$$

$$I_{r-A}(D,b) = C-E(Mov-A(D,b)) \\ = C-E(q_3) = \frac{1}{2}q_3 \Rightarrow 0$$

$$I_{r-A}(D,c) = C-E(Mov-A(D,c)) \\ = C-E(\epsilon) = \epsilon$$

$$I_{r-A}(BCD,a) = \epsilon$$

$$I_{r-A}(BCD,b) = 0$$

$$I_{r-A}(BCD,c) = CD$$

$$I_{r-A}(CD,a) = \epsilon$$

$$I_{r-A}(CD,b) = 0$$

$$I_{r-A}(CD,c) = CD$$

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