⑦ Pasar a determinista

$C(1A) = \{A, 0, F\} = ①$

est. inicial

$C(A,0) = \emptyset = ②$

$C(A,1) = E = ③$

$\delta(0,0) = C(C) = \{A, 0, F\} = ①$

$\delta(0,1) = \emptyset$

$\delta(E,0) = \emptyset$

$\delta(E,1) = C(E) = \{F, 0\} = ④$

$\delta(F,0) = \emptyset$

$\delta(F,1) = E = ③$

Clausuras

$C(1A) = A, 0, F$

$C(0) = 0$

$C(C) = A, C, 0, F$

$C(E) = E$

$C(F) = F, 0$

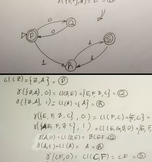
Minimizar

$E_0 = \{\{F, 0\}, \{A, C, E\}\}$

$E_1 = \{\{A, C\}, \{0\}, \{E\}\}$

$E_2 = \{\{F\}, \{0\}, \{A\}, \{C\}\}$

Ahí la tabla es mínima



⑧ $C(1B) = \{B, A\} = ①$

$\delta(\{B, A\}, 0) = C(C, B) = \{E, F, B, A\} = ②$

$\delta(\{B, A\}, 1) = C(1A) = \{A\} = ③$

$\delta(\{E, F, B, A\}, 0) = C(F, C) = \{F, C\} = ④$

$\delta(\{E, F, B, A\}, 1) = C(1A, C, B, 0) = \{E, F, A, 0, C, B\} = ⑤$

$\delta(\{A\}, 0) = C(\{E\}) = \{E\} = ⑥$

$\delta(\{A\}, 1) = C(1A) = \{A\} = ③$

$\delta(\{F, C\}, 0) = C(\{C, F\}) = \{F, C\} = ④$

$\delta(\{F, C\}, 1) = C(1A, C, B, 0) = \{A, C, E, F, B, 0\} = ⑦$

$\delta(\{E, F, A, C, B, 0\}, 0) = C(\{F, C\}) = \{F, C\} = ④$

$\delta(\{E, F, A, C, B, 0\}, 1) = C(\{E, A, C, B\}) = \{E, F, A, B, C, 0\} = ⑦$

Clausuras

$C(B) = B, C(1A) = B, A$

$C(1A) = A$

$C(E) = E, C$

$C(C) = C$

$C(F) = F, B, C$

$C(E, F) = E, C(1F) = E, F$

$C(F) = F$

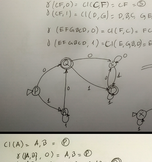
$C(A) = A, E, F$

Minimizar

$E_0 = \{\{0, A, E\}, \{E, F\}\}$

$E_1 = \{\{F\}, \{E\}, \{A, F\}\}$

$E_2 = \{\{F\}, \{E\}, \{A\}, \{0\}\}$



⑨ $C(1A) = A, B = ①$

$\delta(\{A, B\}, 0) = A, B = ①$

$\delta(\{A, B\}, 1) = C(C) = C, AB = ②$

$\delta(\{ABC, 0\}) = C(1A, B) = AB = ①$

$\delta(\{ABC, 1\}) = C(1C, 0) = AB, CDEF = ③$

$\delta(\{ABCEF, 0\}) = C(ABFE) = ABFE = ④$

$\delta(\{ABCEF, 1\}) = C(CDFE) = ABCDEF = ⑤$

$\delta(\{ABFE, 0\}) = C(ABFE) = ABFE = ④$

$\delta(\{ABFE, 1\}) = C(BC) = BEFAB = ⑥$

$\delta(\{ABCEF, 0\}) = C(ABFE) = ④$

$\delta(\{ABCEF, 1\}) = C(CDFE) = ABCDEF = ⑤$

Clausuras

$C(1A) = A, B$

$C(B) = B, A$

$C(C) = C, AB$

$C(F) = D, E, F$

$C(E) = E, F$

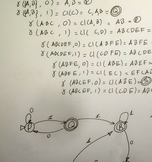
$C(D) = D$

Minimizar

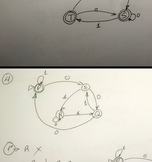
$E_0 = \{\{F\}, \{D, A, B, C, E\}\}$

$E_1 = \{\{F\}, \{D\}, \{A, B, C, E\}\}$

$E_2 = \{\{F\}, \{D\}, \{A, B, C, E\}\}$



⑩



⑪ → A

→0	A→
0	a

$\overline{SA} = 0 + 10^*1$

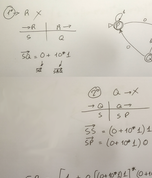
$\overline{SE} = 1\overline{AE}$

⑫ a →

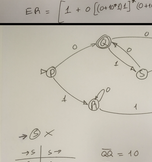
→0	a→
s	sp

$\overline{S3} = (0+10^*)1$

$\overline{S1} = (01^*10^*1)0$



$ER = \left[1 + 0\left[(01^*01)^*(0+10^*1)\right]^*\right]^*$



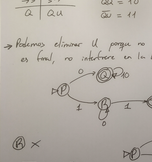
→ ⑬ ×

→s	s→
a	Qu

$\overline{QA} = 10$

$\overline{QU} = 11$

→ Podemos eliminar U porque no es final, no interfiere en la ER

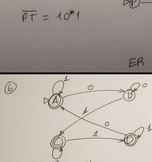


⑭ ×

$\overline{PT} = 10^*1$

$ER = (0(10)^* + (10^*1)$

⑥



→ × ⑮

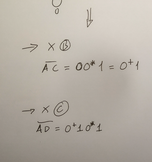
$\overline{AC} = 00^*1 = 0^+1$

→ × ⑯

$\overline{AD} = 0^*10^*1$

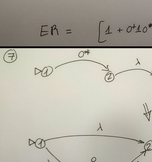
$ER = \left[1 + 0^*10^*1 + 1 + 0\right]^*$

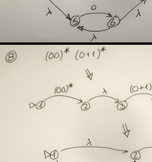
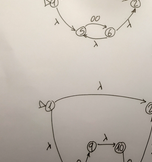
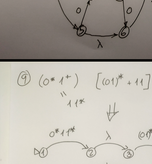
⑦



0^*1^*

⑧ $(00)^*(0+1)^*$



⑨ (0^*1^*) $[(01)^* + 11]$

0^*1^*