



CONSTRUCCIÓN DEL AUTOMATA LR(1) FUNCIONES CLOSURE1 Y PILOTO

Docente

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Curso

ST0270-031 LENGUAJES FORMALES Y COMPILADORES

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1. Cálculos de Macro Estados

Tema: Buena 2

$I_0 = \text{closure}_1(0, -1)$
 $C = \langle 0, -1 \rangle \cup \langle 2, -1 \rangle \cup \langle 18, := \rangle$
 $I_0 = \langle 0, -1 \rangle \cup \langle 2, -1 \rangle \cup \langle 18, := \rangle$

$x = S_0$
 $\theta(I_0, S_0) = \text{closure}_1(\langle \delta(0, S_0), -1 \rangle \cup \langle \delta(2, S_0), -1 \rangle \cup \langle \delta(18, S_0), := \rangle)$
 $\langle \delta(18, S_0), := \rangle = \text{closure}_1(\langle 1, -1 \rangle) = \langle 1, -1 \rangle \quad I_1$

$x = A$
 $\theta(I_0, A) = \text{closure}_1(\langle \delta(0, A), -1 \rangle \cup \langle \delta(2, A), -1 \rangle \cup \langle \delta(18, A), := \rangle)$
 $\text{closure}_1(\langle 3, -1 \rangle) = \langle 3, -1 \rangle \quad I_2$

$x = \text{may}$
 $\theta(I_0, \text{may}) = \text{closure}_1(\langle \delta(0, \text{may}), -1 \rangle \cup \langle \delta(2, \text{may}), -1 \rangle \cup \langle \delta(18, \text{may}), := \rangle)$
 $\langle \delta(18, \text{may}), := \rangle = \text{closure}_1(\langle 19, := \rangle) = \langle 19, := \rangle \quad I_3$

macro estado I_1
 $x = -1$
 $\theta(I_1, -1) = \text{closure}_1(\langle \delta(1, -1), -1 \rangle) = \text{closure}_1(\langle t, -1 \rangle)$
 $= \langle t, -1 \rangle \quad I_4$

macro estado I_2
 $x = :=$
 $\theta(I_2, :=) = \text{closure}_1(\langle \delta(3, :=), -1 \rangle) = \text{closure}_1(\langle 4, -1 \rangle)$
 $C = \langle 4, -1 \rangle \cup \langle 8, \{1', -1\} \rangle \cup \langle 12, \{1', -1, 1'\} \rangle$
 $\langle 16, \text{may} \rangle \cup \langle 18, \{1', -1, 1'\} \rangle$
 $I_5 = \langle 4, -1 \rangle \cup \langle 8, \{1', -1\} \rangle \cup \langle 12, \{1', -1, 1'\} \rangle \cup \langle 16, \text{may} \rangle \cup \langle 18, \{1', -1, 1'\} \rangle$

macro estado I_3
 $x = \Sigma \cup V \cup -1 \quad \theta(I_3, x) = \emptyset$

Figura 1: página 1

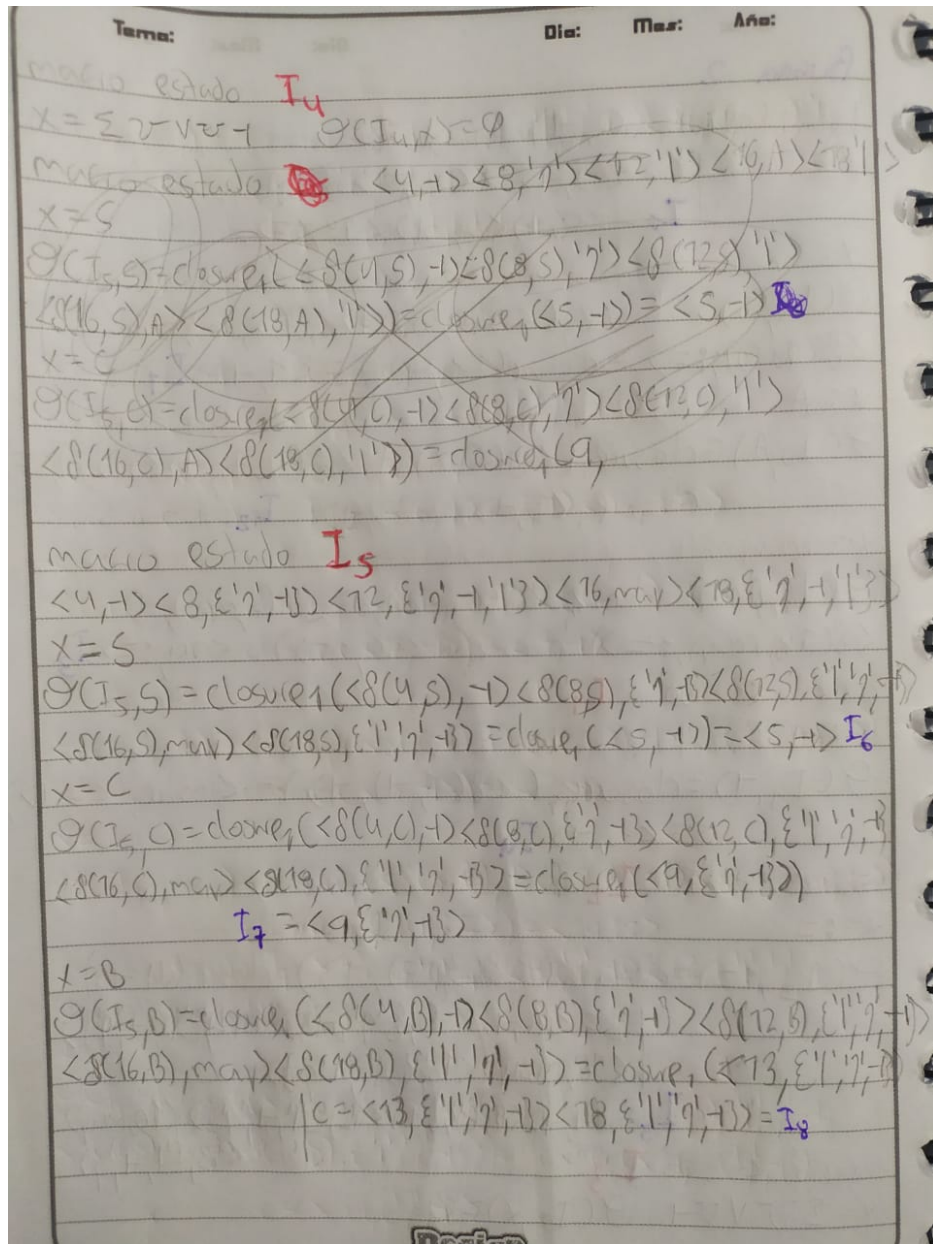


Figura 2: página 2

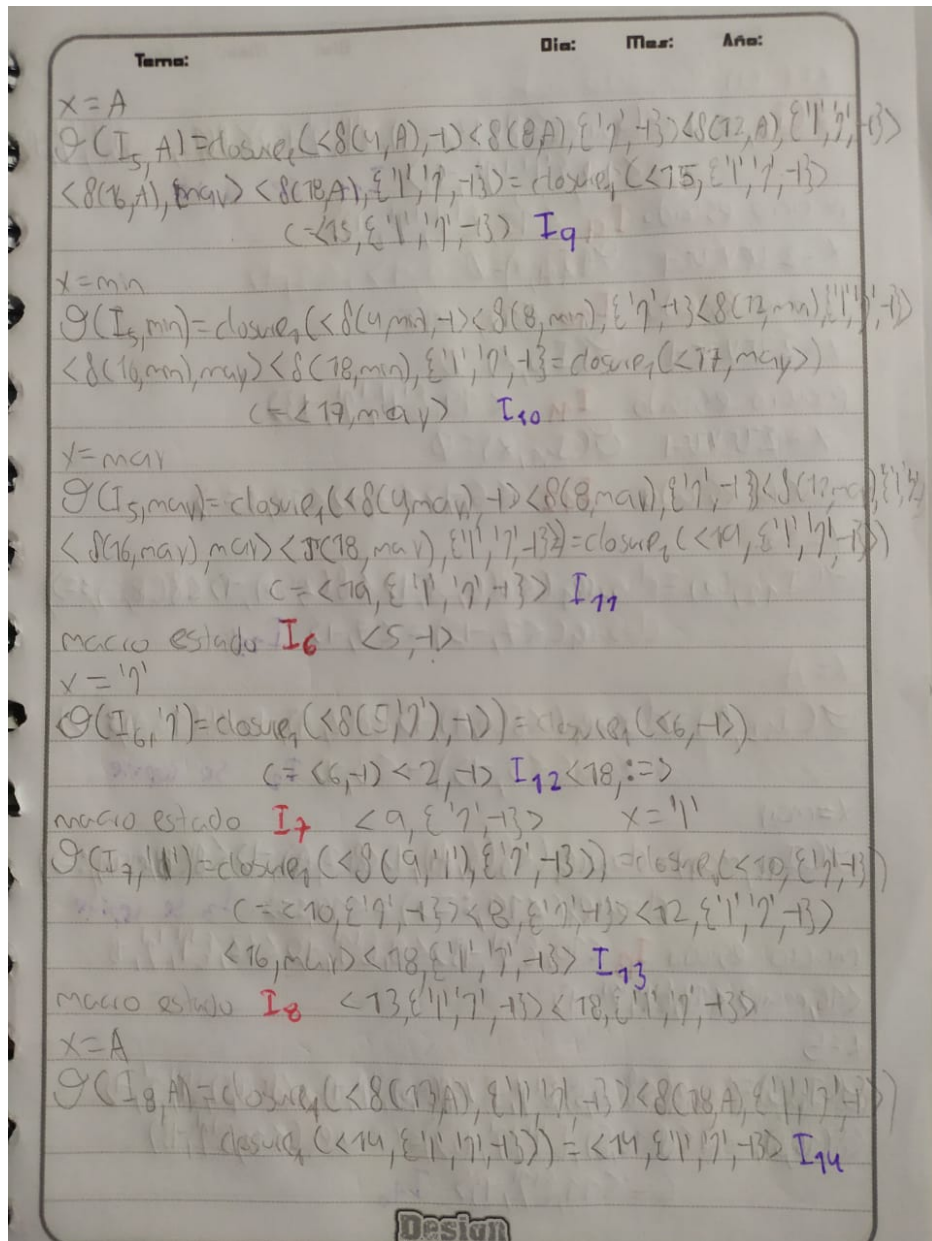


Figura 3: página 3

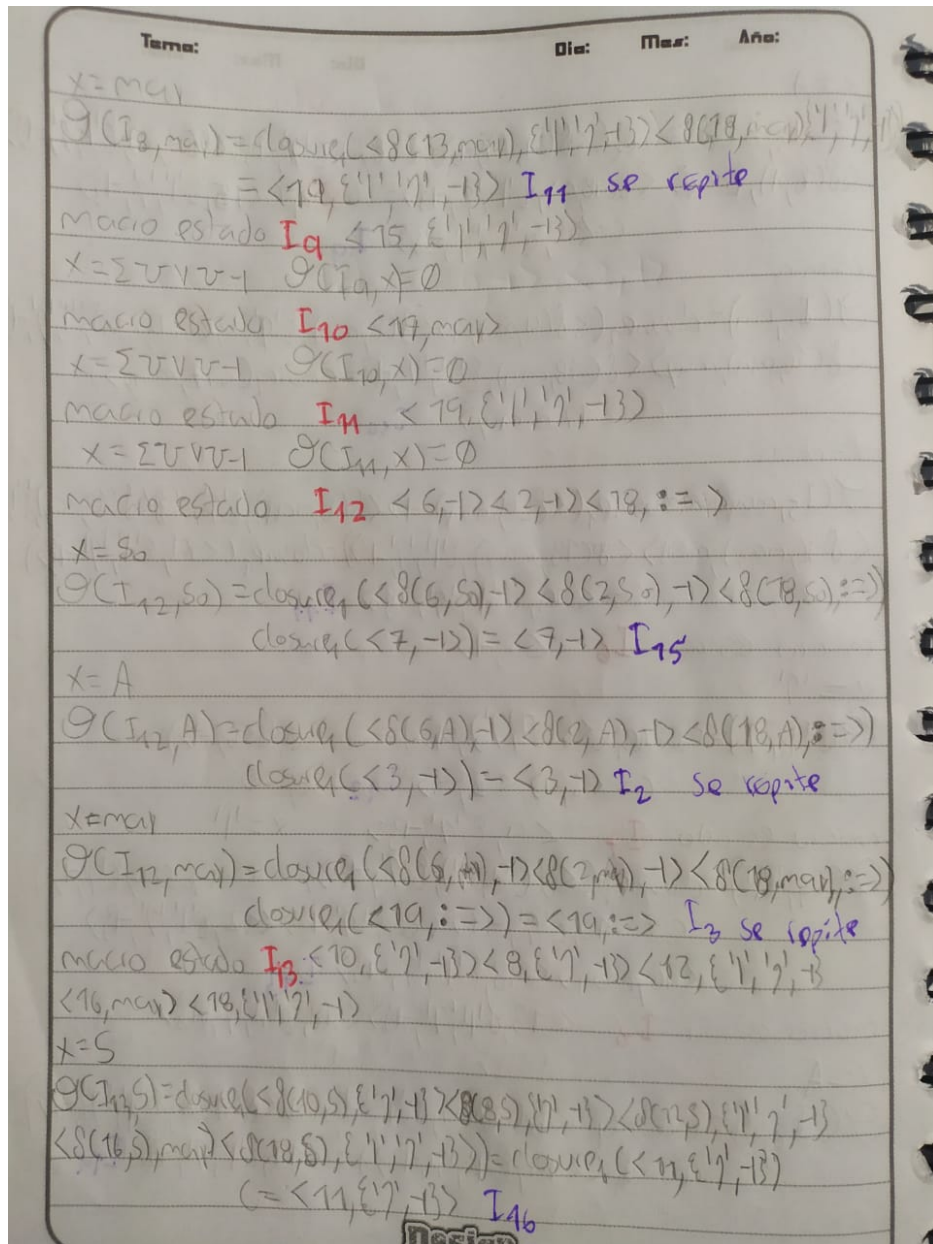


Figura 4: página 4

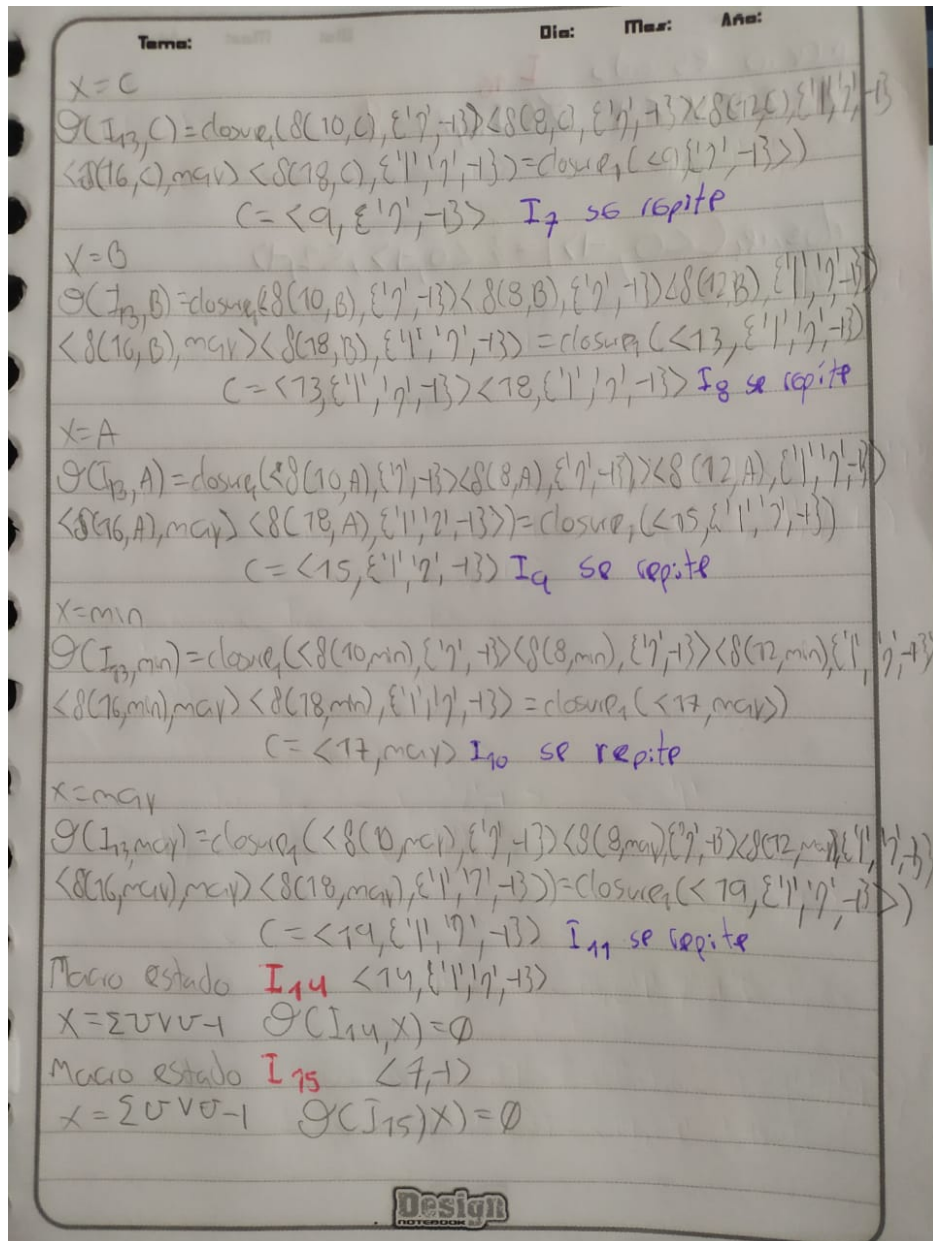


Figura 5: página 5

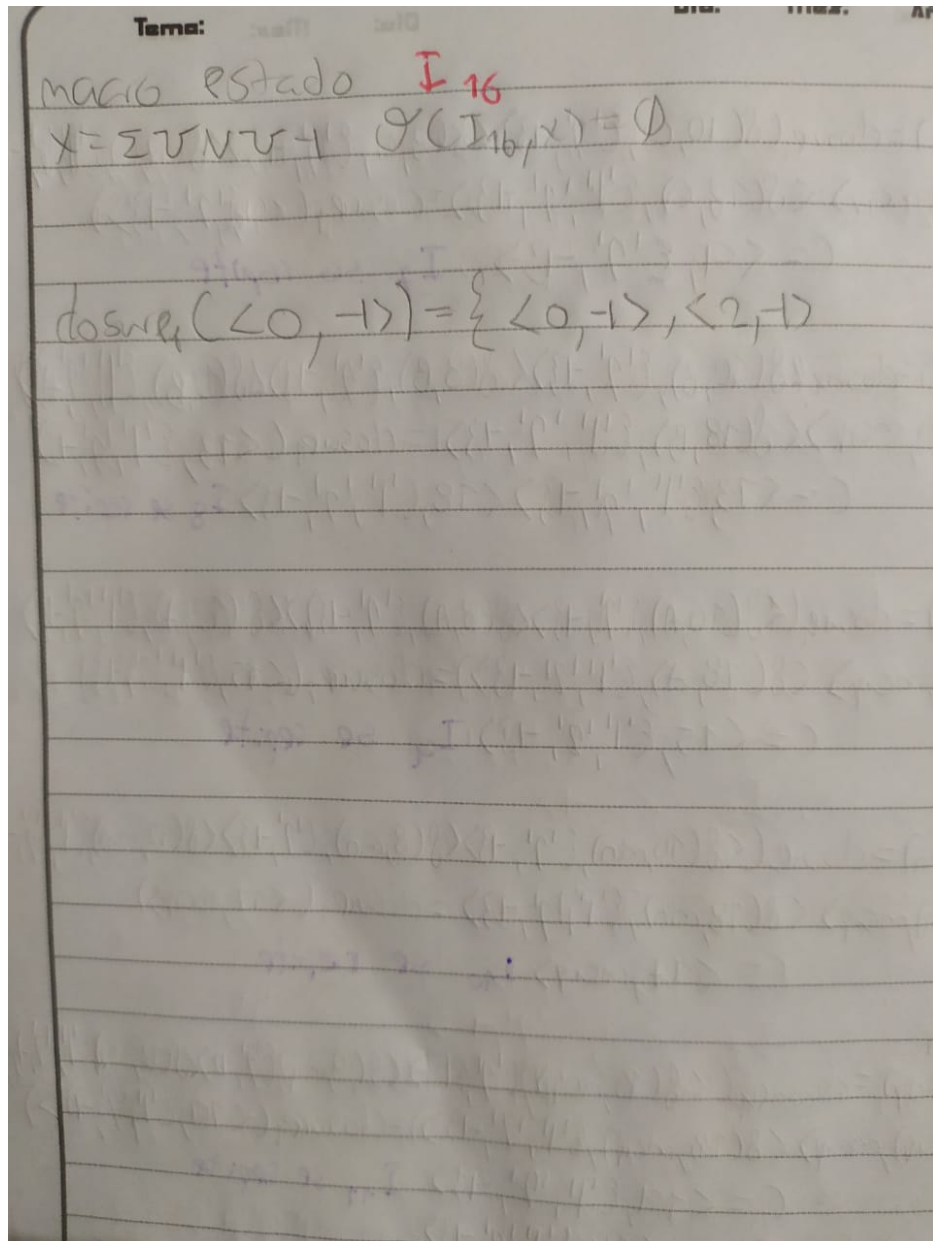


Figura 6: página 6

2. Piloto

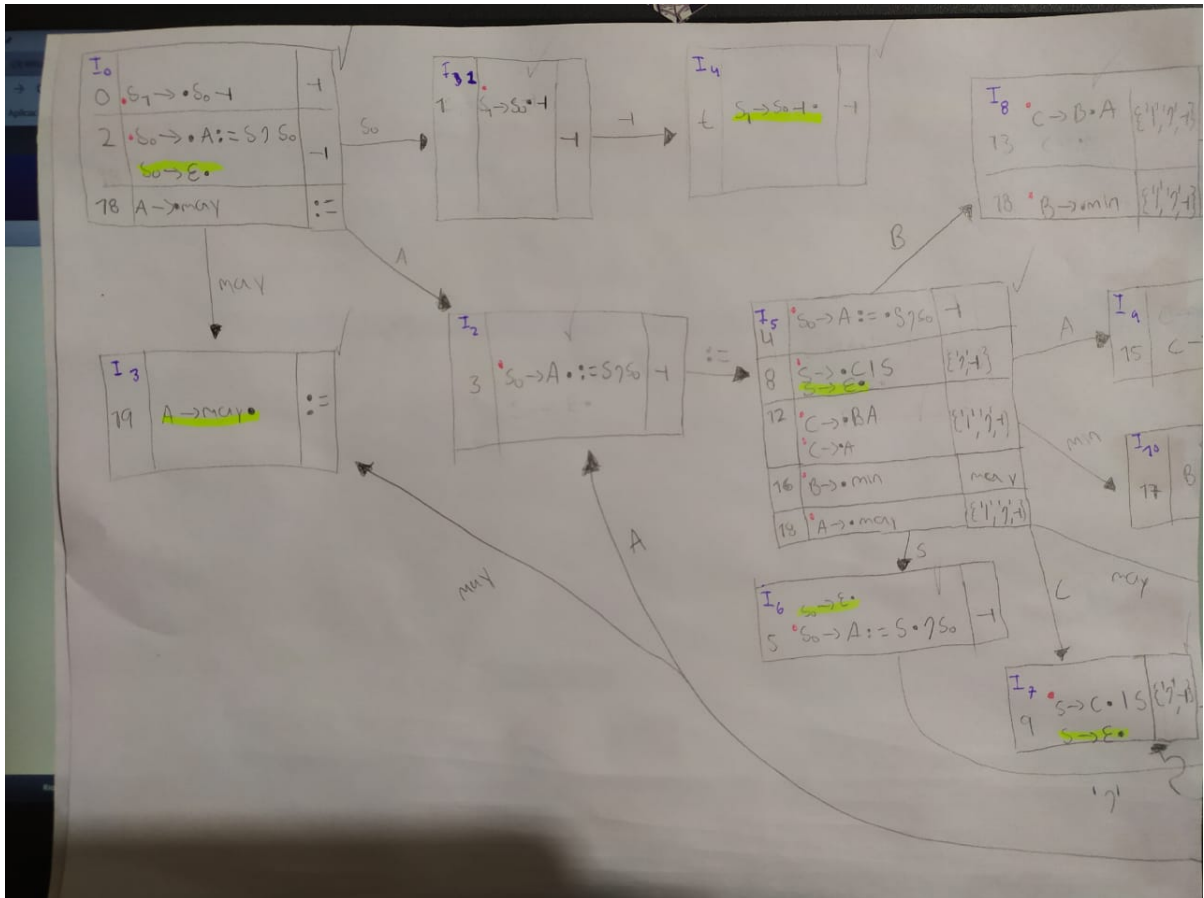


Figura 7: Parte 1

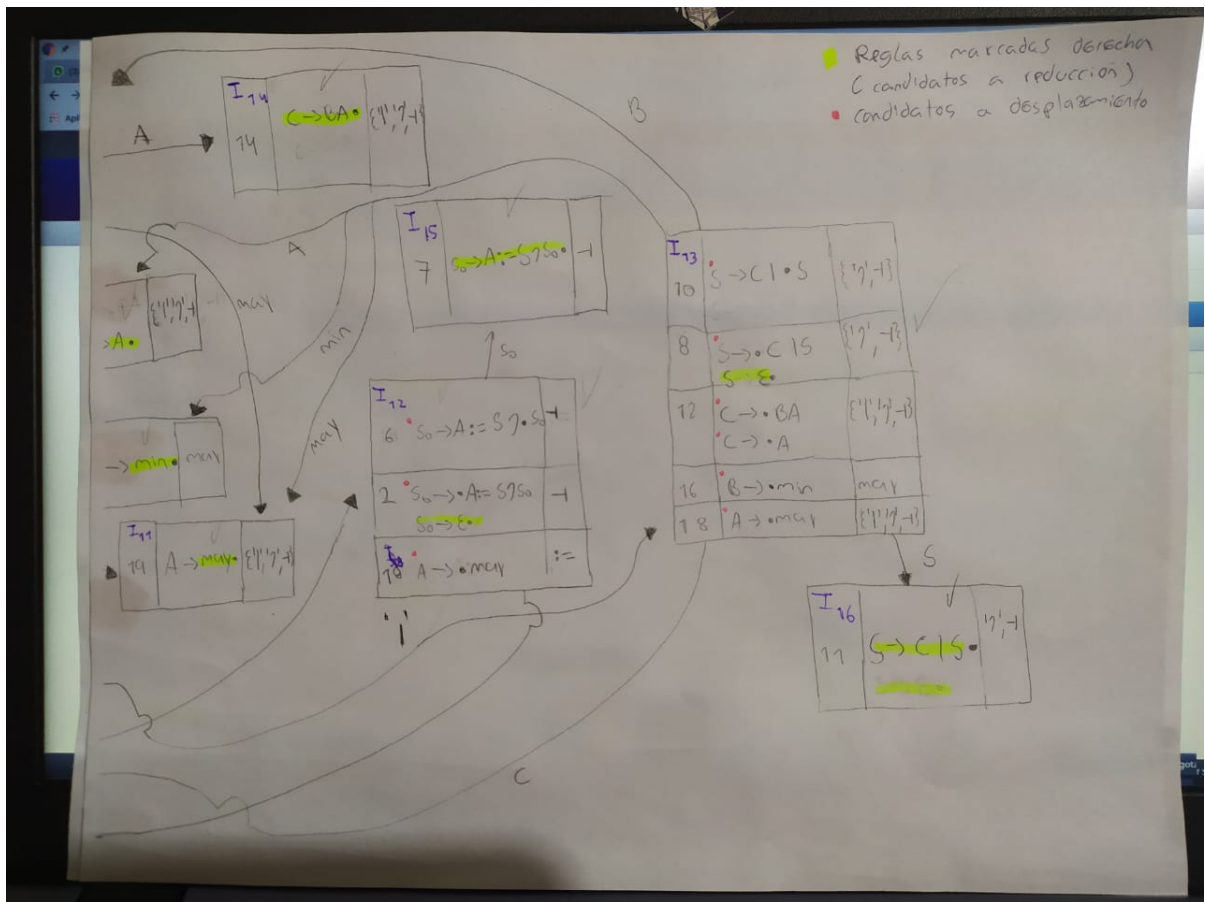


Figura 8: Parte 2

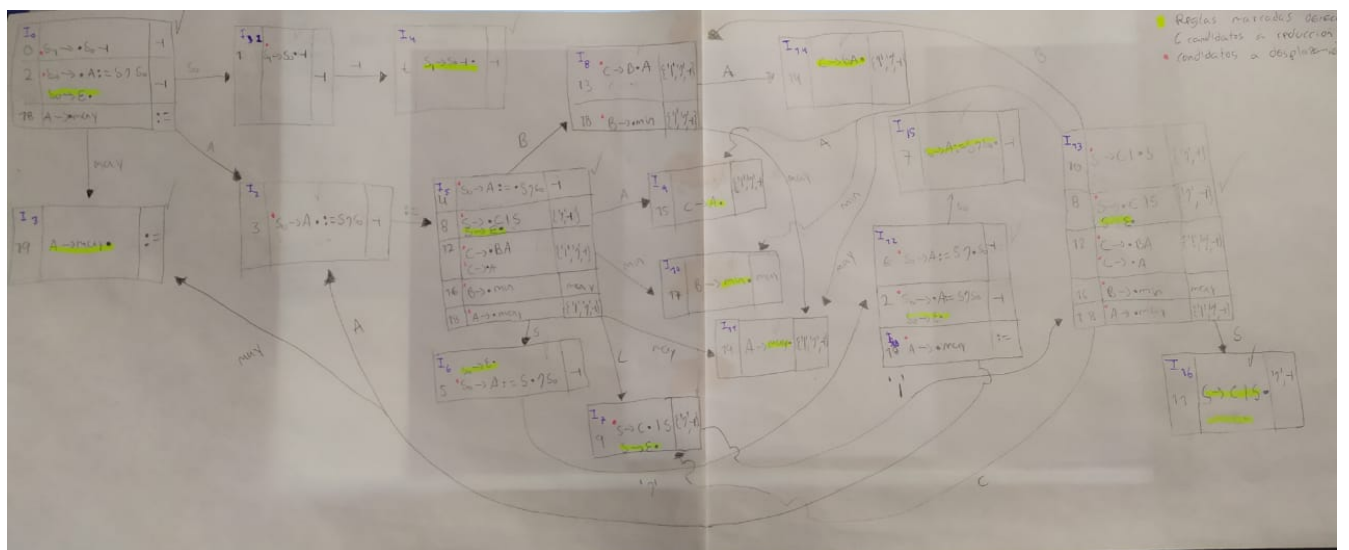


Figura 9: Parte Completa