lunes, 14 de marzo de 2022

## 1-Aplicamos el complementario

- Aplicamos el complementario

$$\forall x,y,z: ((w=xyz \land 1yl=3) \Rightarrow (1yla \in 2 \lor 1ylb \notin 2)) \equiv ((w=xyz \land 1yl=3) \Rightarrow (1yla \in 2 \lor 1ylb \notin 2)) \equiv ((yla \in 2 \lor 1ylb \notin 2))$$

$$\exists \exists x,y,z : ((\omega = xyz \land (Y(=3)) \Rightarrow ((Y(=2) \lor (Y(b \notin 2))) \equiv \exists \exists x,y,z : ((\omega = xyz \land (Y(=3)) \Rightarrow ((Y(=3)) \Rightarrow ((Y(=2))) \equiv \exists \exists x,y,z : (((\omega = xyz \land (Y(=3)) \Rightarrow ((Y(=3)) \Rightarrow (Y(=3)) \Rightarrow ((Y(=3)) \Rightarrow (Y(=3)) \Rightarrow (Y(=3))$$

$$= \exists x,y,z: ((\omega = xyz \land 1y1=3) \land (1y1a \notin 2 \land 1y1b \in 2)) =$$

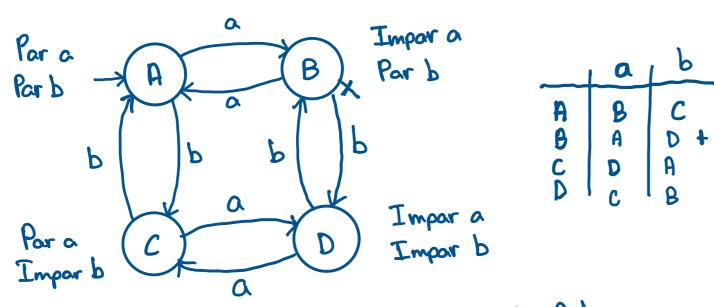
$$= \exists x,y,z: ((\omega = xyz \land 1y1=3) \land (1y1a \notin 2 \land 1y1b \in 2))$$

$$= \exists x, y, z : (w = xyz \land |y| = 3 \land |y|a \notin 2 \land |y|b \in 2)$$

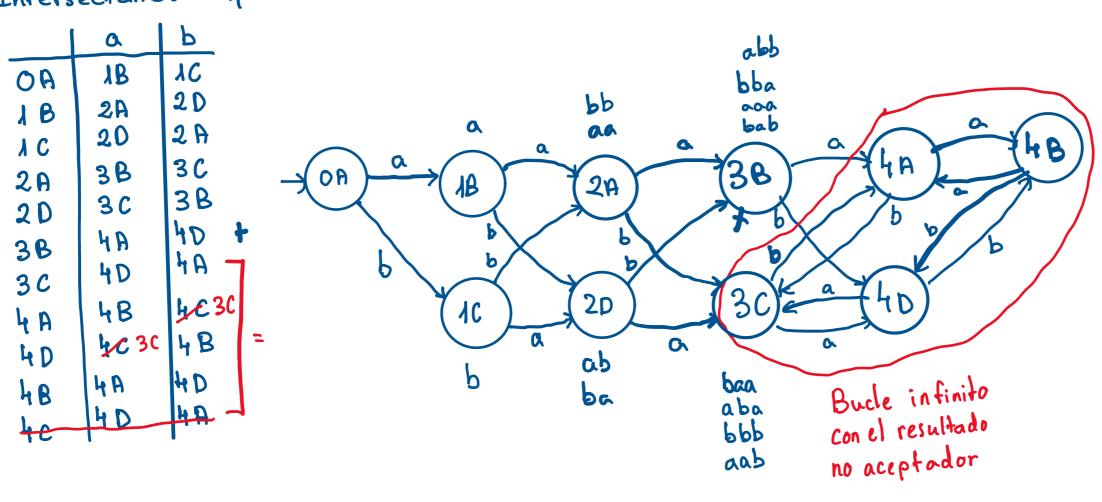
$$= \exists x, y, z : (w = xyz \land |y| = 3 \land |y|a \notin 2 \land |y|b \in 2)$$

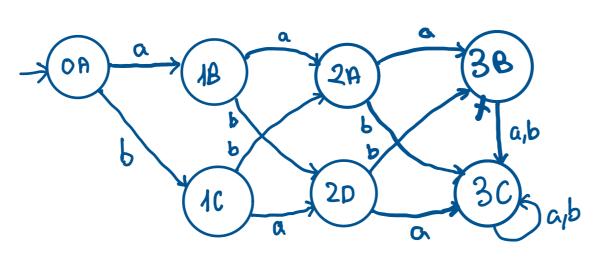
## 2-Describimos los autómatas por separado

## 3-Intersectamos $L_1 = |Y|_a \ell \dot{2}$ $L_2 = |Y|_b \epsilon \dot{2}$ $L_3 = L_1 \cap L_2$

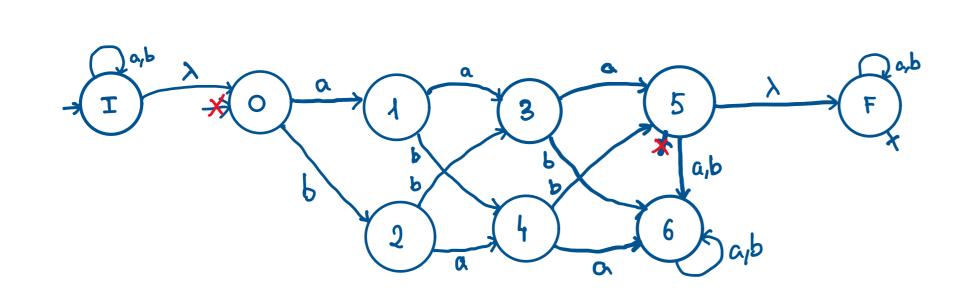


4-Intersectamos 24=141=3 L5=L3 N24





## 5- Concatemamos {x3.25. {z}



X-NFA → NFA

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