TECNOLOGICO NACIONAL DE MEXICO
INSTITUTO TECNOLOGICO DE IZTAPALAPA

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INGENERIA EN SISTEMAS COMPUTACIONALES

Lenguajes y autómatas 2

Practicas

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24/01/21

Practicas

Capitulo 2

1.

a) $\sum = \{a, b\}$

Q= { s_0,s_1,s_2,f}

b) $\sum = \{0,1\}$

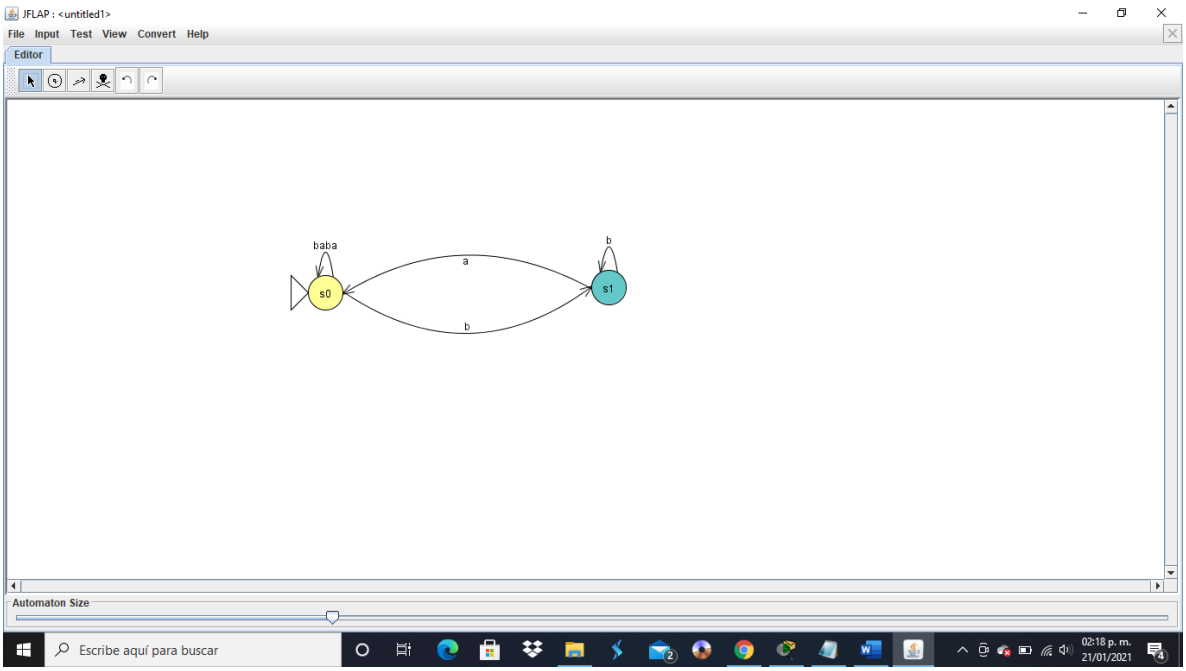
Q= { s_0,s_1,s_2, s_3, s_4,f}

c) a) $\sum\{a, b\}$

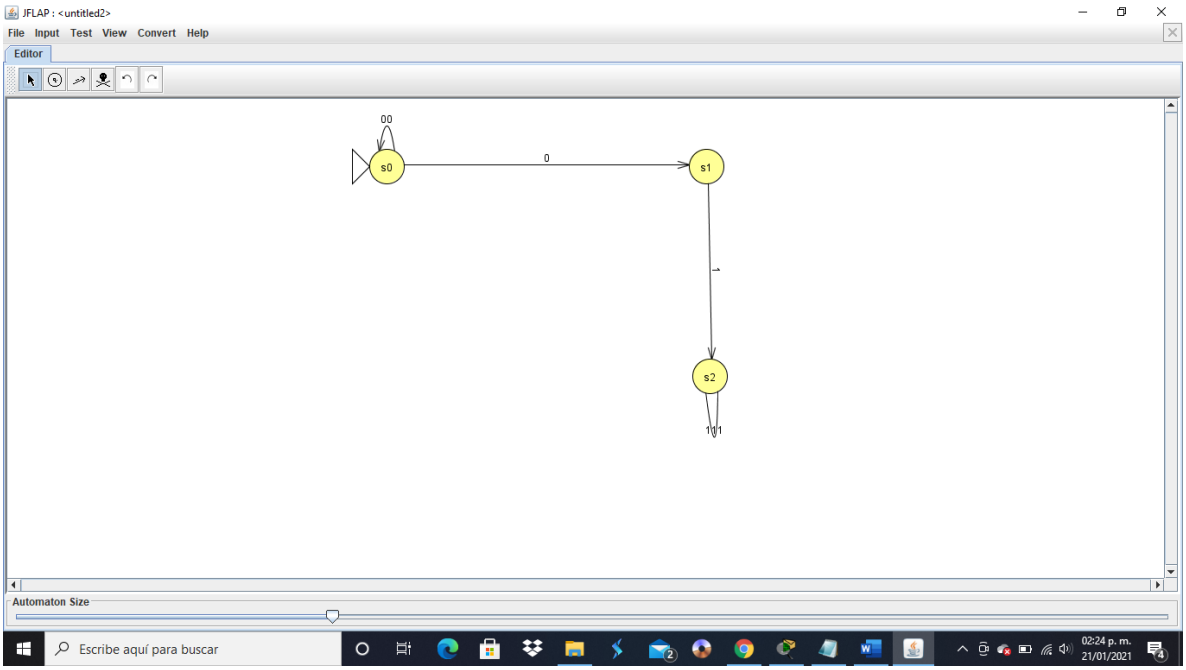
Q= { s_0,s_1,s_2, s_3, s_4, s_5, s_6,f}

2.

a) baba



b)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File Input Test View Convert Help
Editor
00
s0
0
s1
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1
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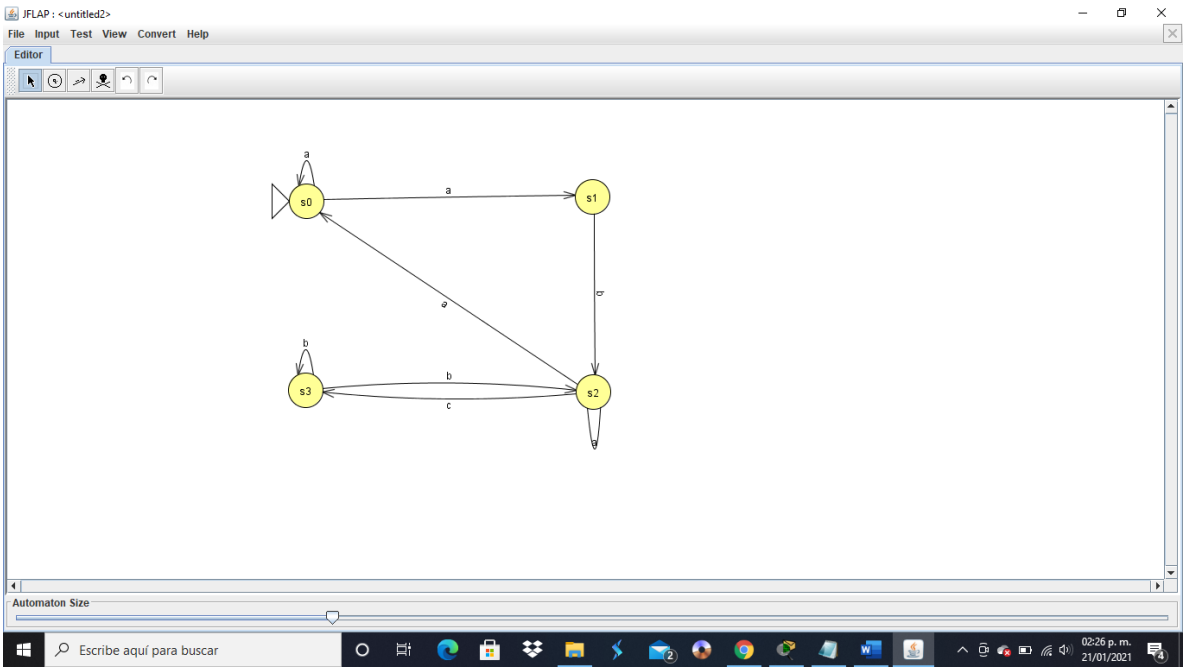
02:24 p. m.
21/01/2021

c)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a
s0
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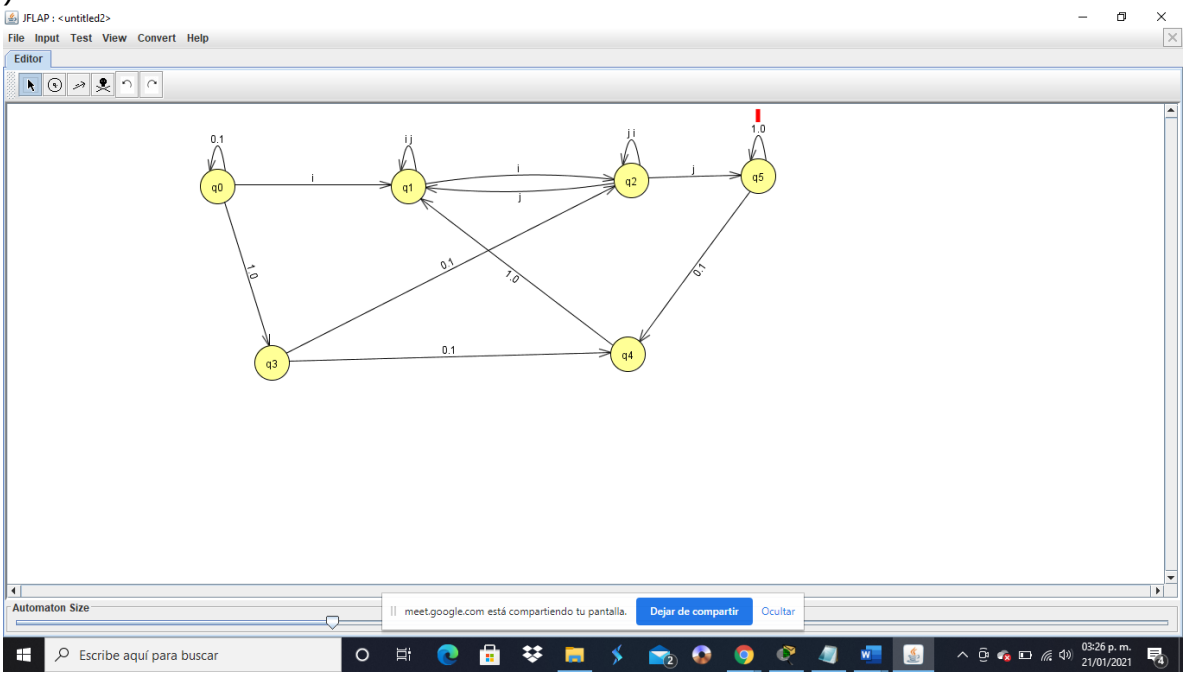
)



4)

a) $E.R=(0-9^*)id^* + (0-9)\backslash H^*$

b)$E.R = (0-9)\backslash W^*$

c)$E.R = (0-9).D^* + (0-9)0.D\backslash* +(0-9)0.0D \backslash*$

5)

a)$(0+0)^*1(0+0) + (1+1)^*1(1+1)(1+1)$

b)$(0+1)^*1(0+1)^* + (0+1) + 1^*(0+1)(0+1)$

c) $L = (abcdfg) + (hijklmn) + (opqrstu) + (vwxyz)$

d)$(xyzwy) + (x) + (y)^* + (xy) + (z) + (wy)^* + (wxyz^*)$

e) $w = (0-9)^* + (1{,}3)d + (t-^* \backslash) + (\backslash d^*)+^{11})$

6)

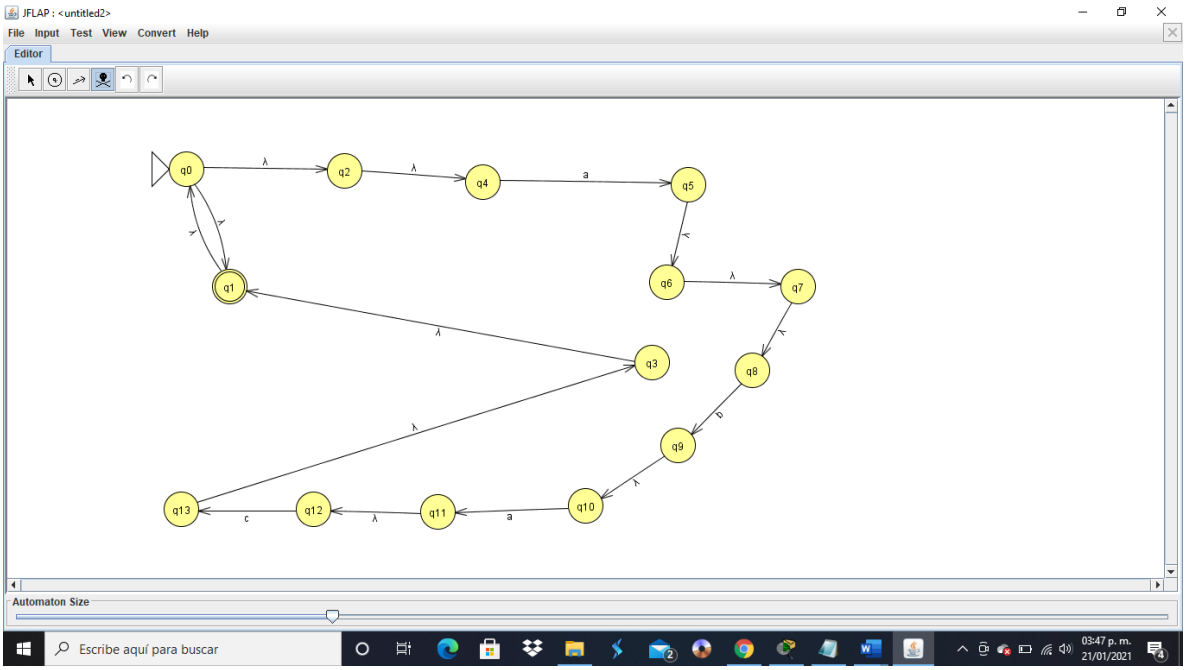
a) (ll^[ ])) $* \lambda$

b) $(b \backslash *) + (z)$

c) $L = \{A, Z\} + \{a, z\}$

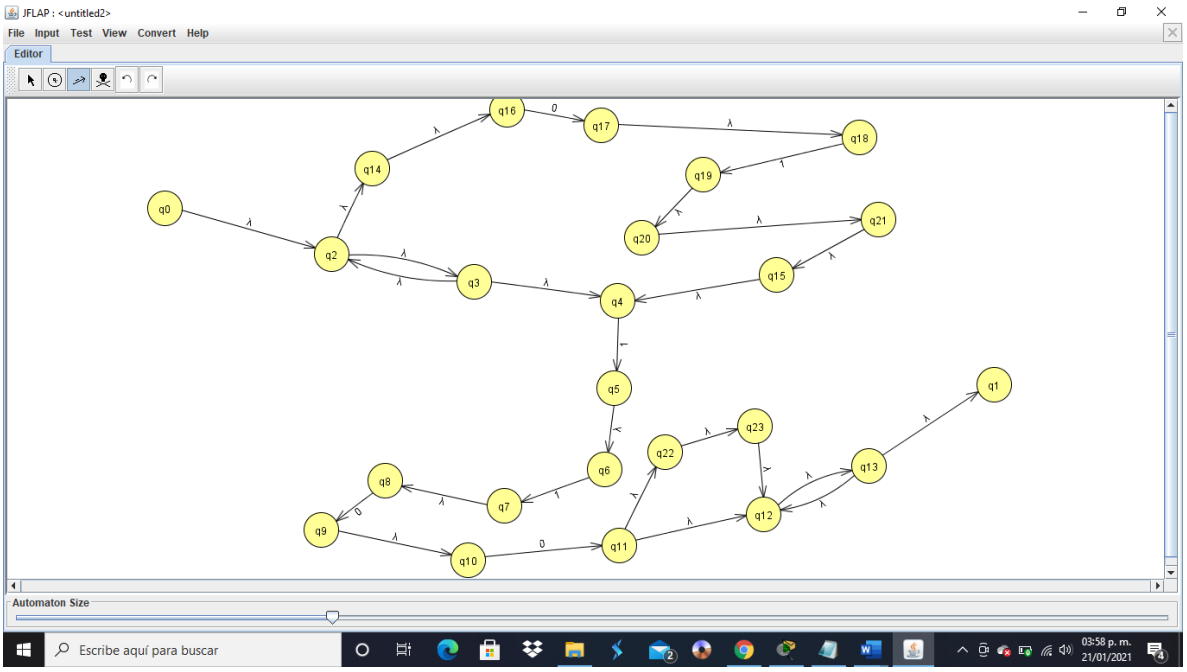
d)$(0 - 9) \backslash d^{*}\lambda$

7)



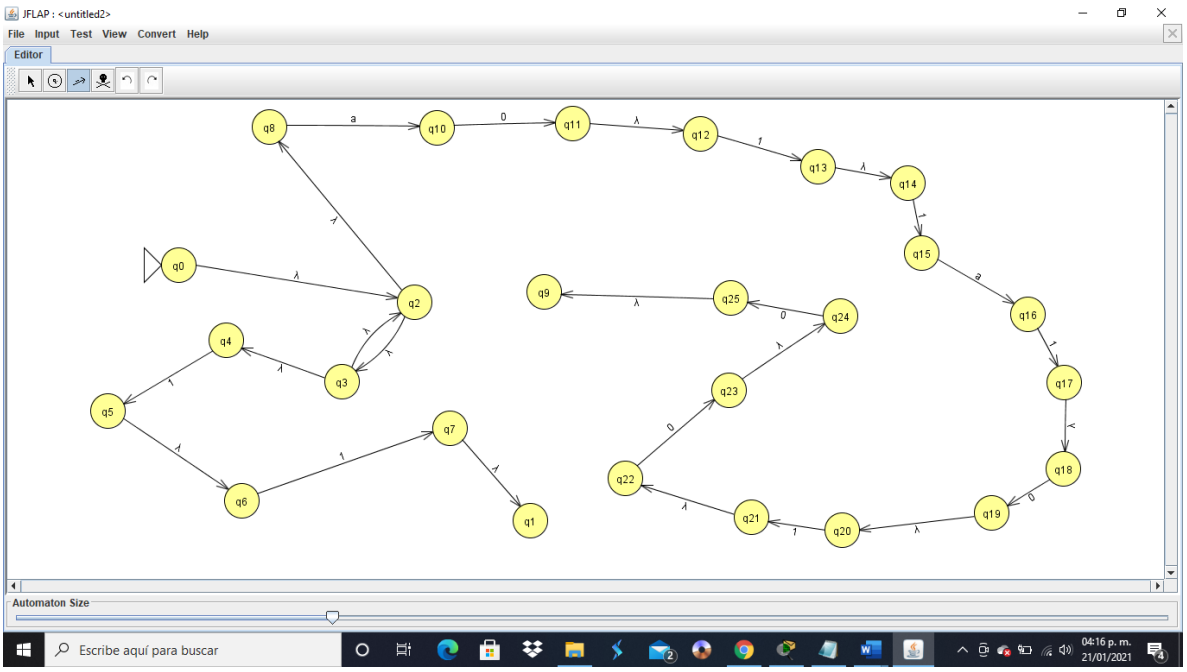
$(a, b, c)^{*}\lambda$

b)



$$(0I1)^* + 01^*$$

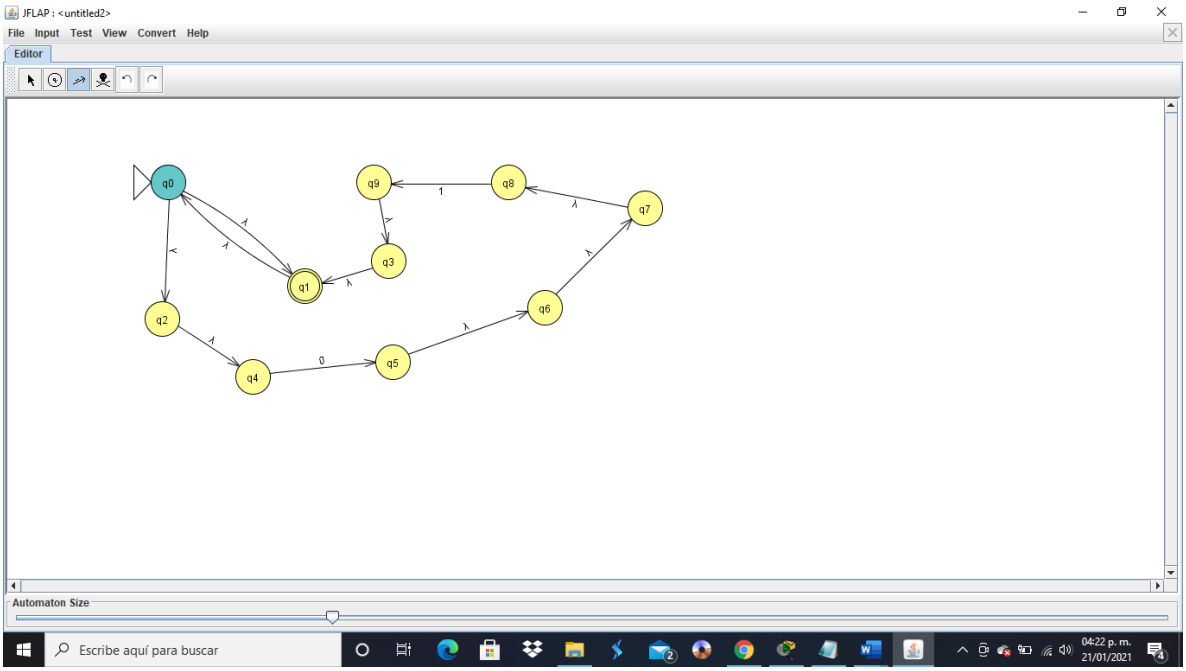
c)



$$1 + (01I10) + 0^*$$

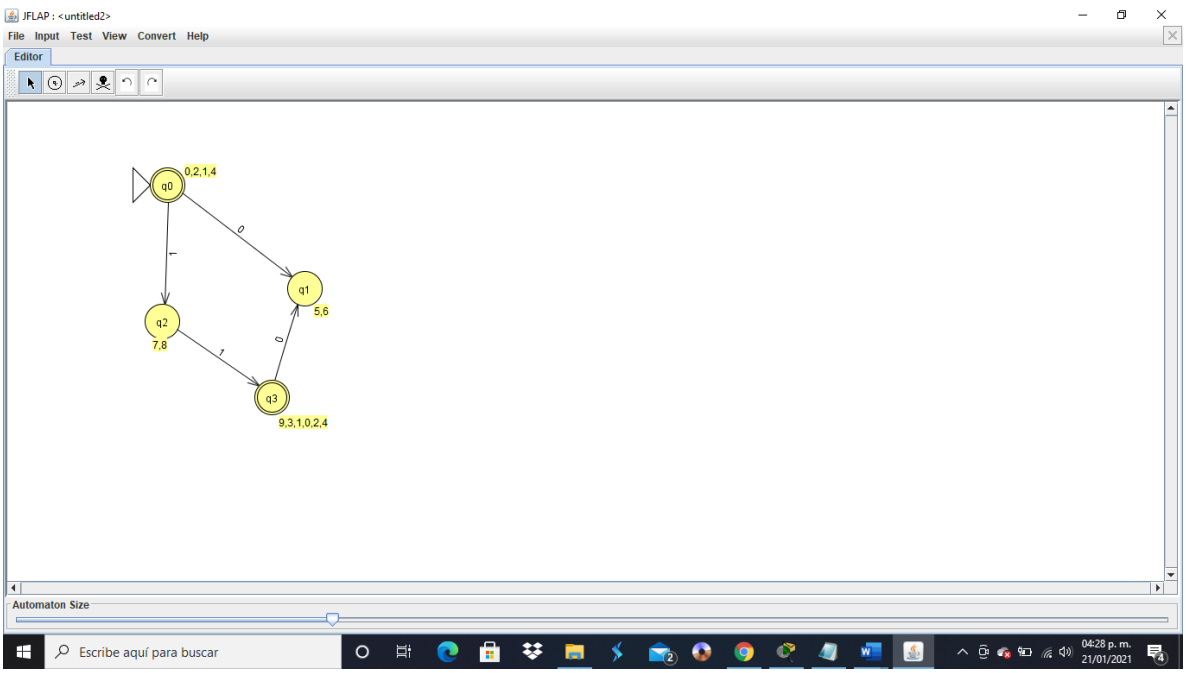
8)

a) original



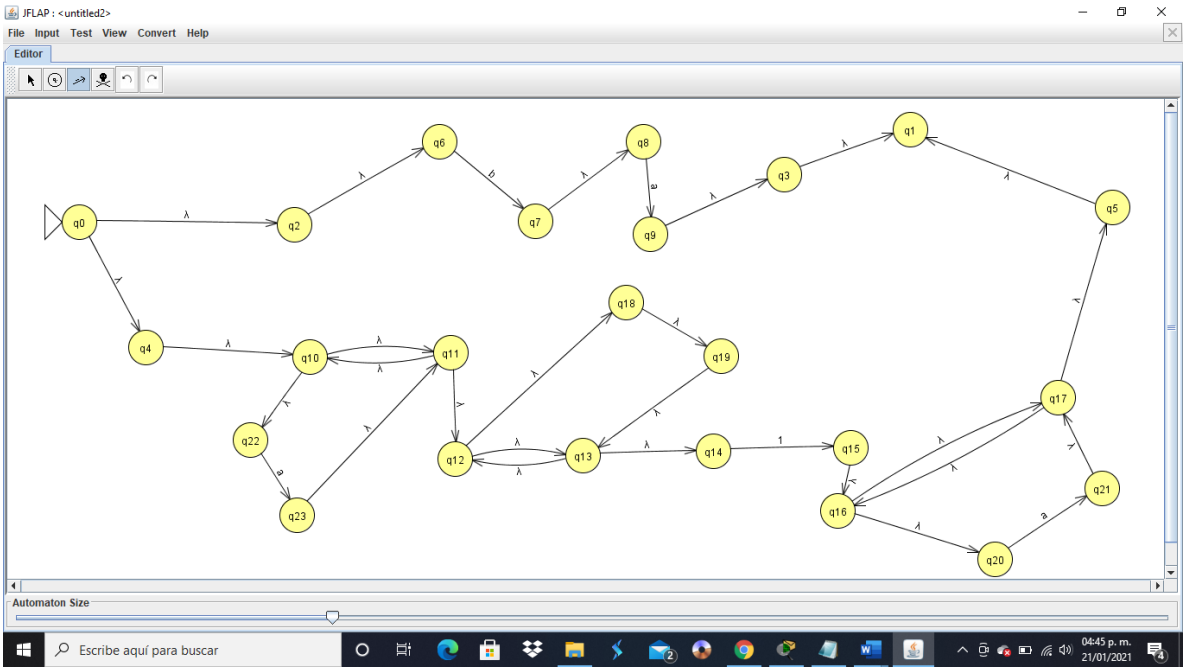
R= es equivalente

Minimizado

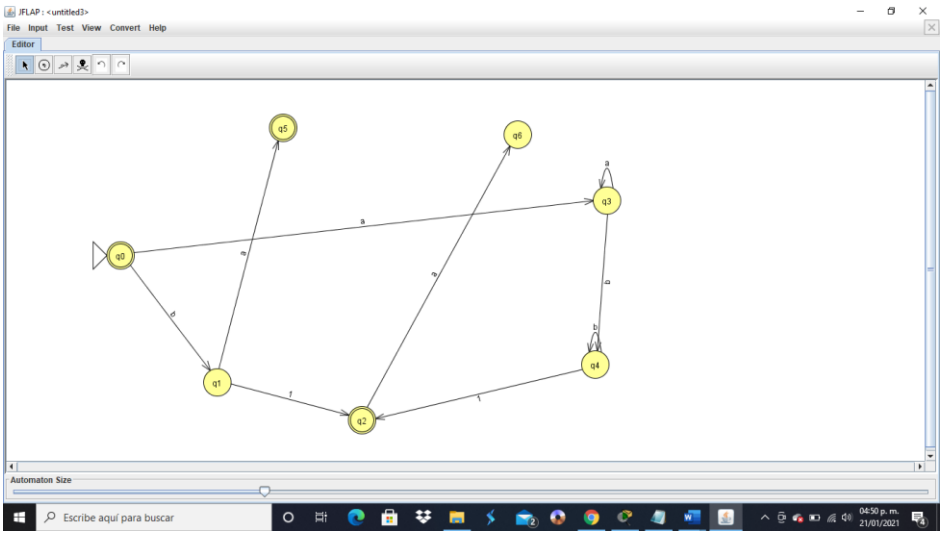


b)

original



Simplificado



R= son equivalentes

9)

a) R= cuando la transacción de dos estados o más sea aceptado por lenguaje