



ESCUELA SUPERIOR DE COMPUTO



TEORÍA COMPUTACIONAL

TAREA 7

AUTÓMATAS FINITOS

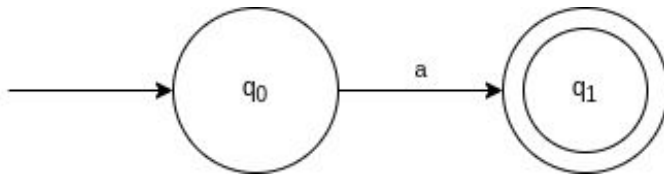
Rubio Haro Rodrigo R.

AUTÓMATAS FINITOS

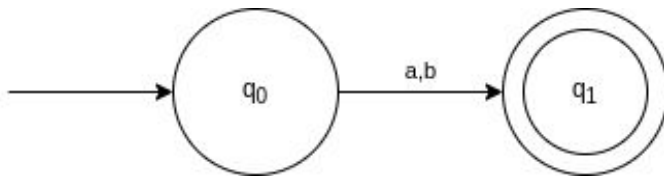
1. Ejercicios

Sea el alfabeto $\Sigma = \{a, b, c\}$ representar el autómata para cada ejercicio

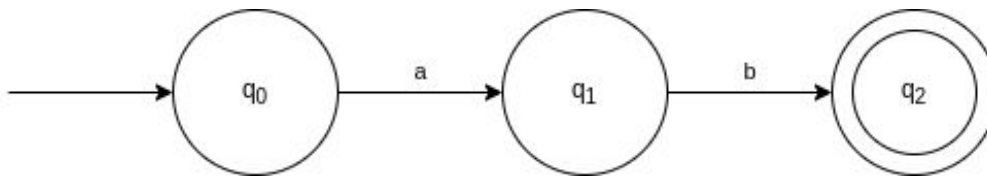
1. a



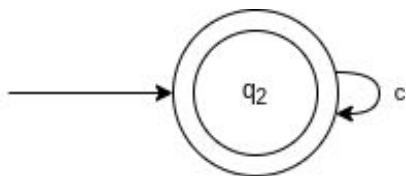
2. a+b



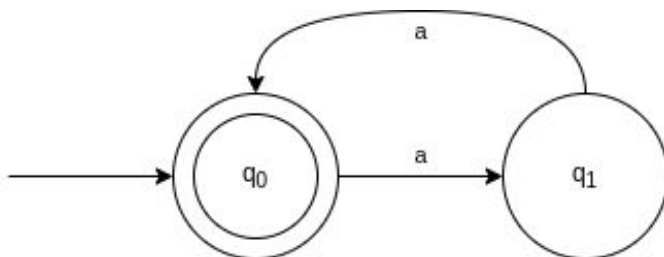
3. ab



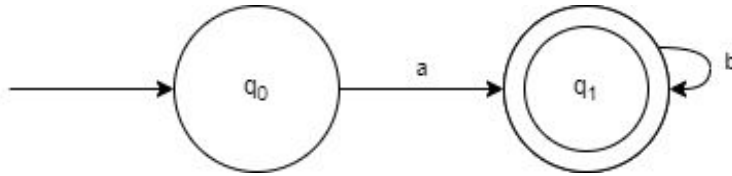
4. c^*



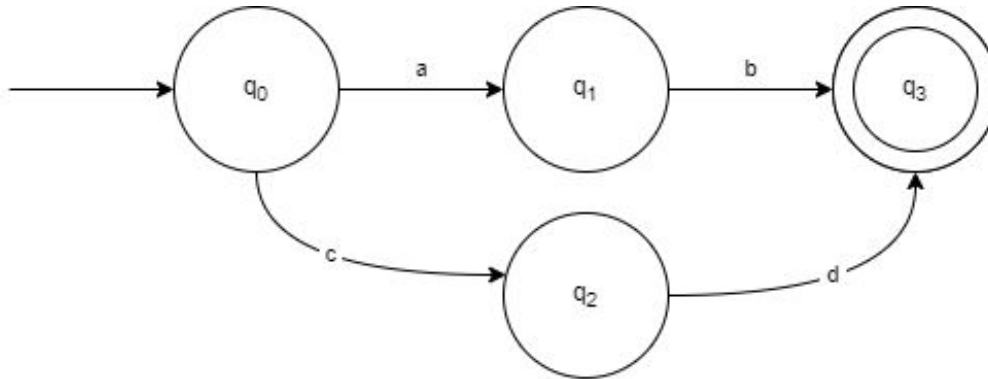
5. $(aa)^*$



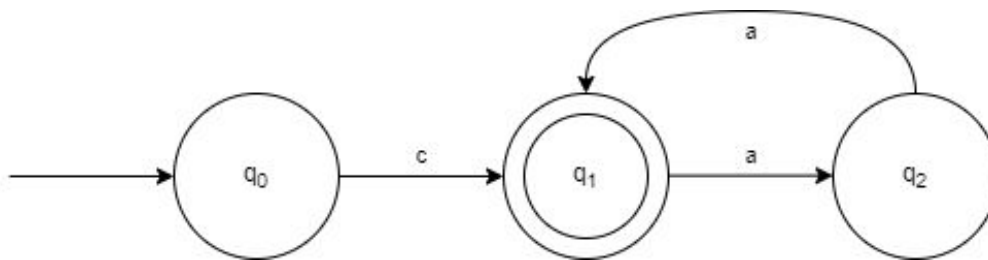
6. ab^*



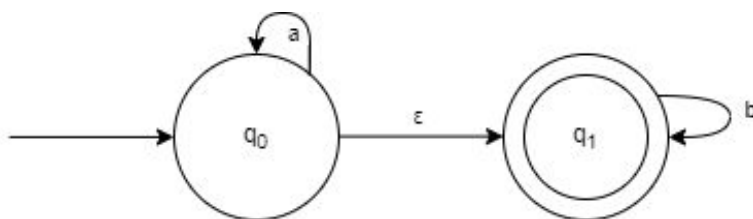
7. $(ab+bc)$



8. $c(aa)^*$



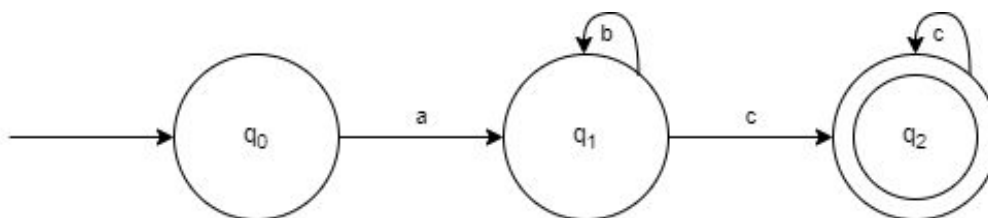
9. a^*b^*



10. $ab+cd^*$

El símbolo "d" no está contenido en nuestro universo. Por tanto no hay automata.

11. ab^*c^*



12. bba^*

