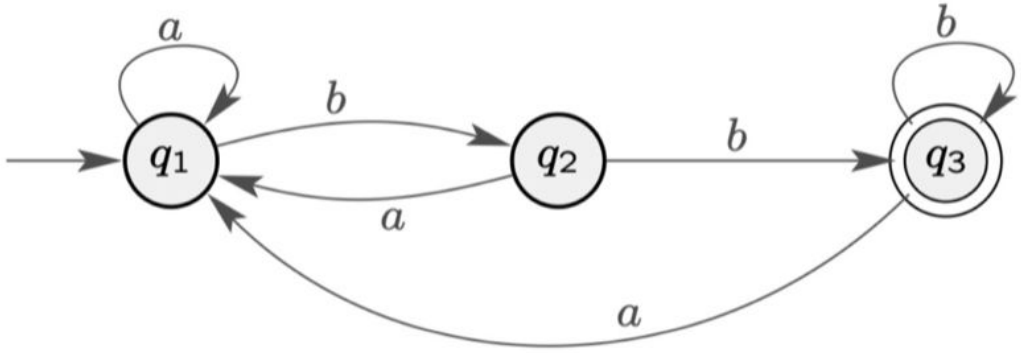


The Language accepted by this DFA is :

$$L = \{w \in \Sigma^* | w = bbs \; for \; some \; s \in \Sigma^*\}$$

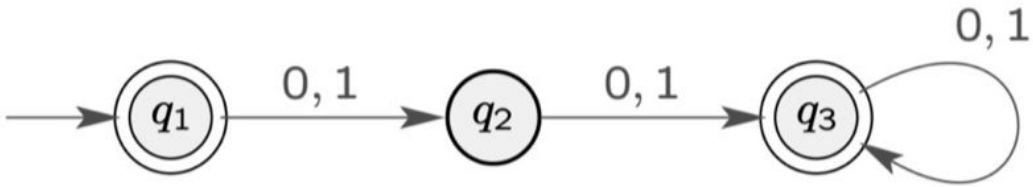
$$L = \{w \in \Sigma^* | w \; contains \; substring \; bb\}$$

$$L = \{w \in \Sigma^* | w \; contains \; substring \; bbb\}$$

$$L = \{w \in \Sigma^* | w = sbb \; for \; some \; s \in \Sigma^*\}$$

QUESTION 2

1 points Saved



The string *1* is accepted by the DFA?

A. Yes

B. No

QUESTION 3

1 points Saved

The string *10* is accepted by the previous DFA?

A. Yes

B. No

QUESTION 4

1 points Save Answer

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers Save and Submit

QUESTION 8

1 points Save Answer

The language accepted by this DFA is:

A.

$$L = \{w \in \Sigma^* | \, |w| > 1\}$$

B.

$$L = \{w \in \Sigma^* | \, |w| = 1 \; or \; |w| > 2\}$$

C.

$$L = \{w \in \Sigma^* | \, |w| \neq 1\}$$

D.

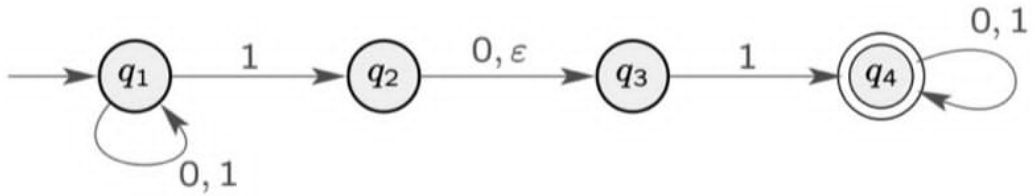
$$L = \{w \in \Sigma^* | \, |w| > 2\}$$

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers Save and Submit

QUESTION 4

1 points Save Answer



$\delta^*(q_1, 010110)$ is?

A. {q4}

B. {q1,q3}

C. {q3,q4}

D. {q1,q3,q4}

QUESTION 5

1 points ✓ Saved

Does the previous machine accept the string **010110**?

Yes

No

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers Save and Submit

QUESTION 6

1 points ✔ Saved

7- Consider the Language

$$L = \{a^m b^n c^{2n}\}$$

where n, m>=0. Which of the following string is not in the language.

A. aabbcccc

B. abcc

C. aacc

D. bcc

QUESTION 7

1 points Save Answer

Let $\sum = \{0,1\}$, $L_1 = \{x \epsilon \Sigma^* | |x| \leq 1\}$. Let $L_2 = \{\lambda, 0,1,11\}$. List the elements of the following language $L = (L_1)^2 \cap (L_2)$.

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers | Save and Submit

QUESTION 7

1 points Save Answer

Let $\sum = \{0,1\}$, $L_1 = \{x\epsilon\, \Sigma^* | x| \leq 1\}$. Let $L_2 = \{\lambda, 0,1,11\}$. List the elements of the following language $L = (L_1)^2 \cap (L_2)$.

A.

$$\{\lambda, 0,1,00,01,10,11\}$$

B.

$$\{0,1,11\}$$

C.

$$\{\lambda, 0,1,11\}$$

D.

$$\{0,1,00,01,10,11\}$$

QUESTION 8

1 points Save Answer

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers Save and Submit