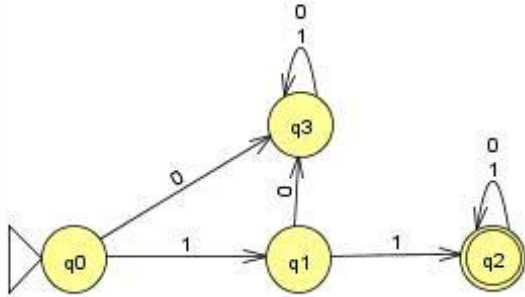


# EXERCÍCIO 1



**Table Text Size**

Input	Result
10111100101	Reject
1111	Accept
011000	Reject
011110	Reject
0000110	Reject
110101	Accept
0110001	Reject
01101010	Reject
11110010	Accept
0110100	Reject
000000	Reject
101010	Reject
1001001011	Reject
101011	Reject

Load Inputs
Run Inputs
Clear
Enter Lambda
View Trace

1)

Estado atual		Próximo estado	
		Entrada atual	
		0	1
→	q0	q3	q1
	q1	q3	q2
*	q2	q2	q2
	q3	q3	q3

## EXERCÍCIO 2

```

graph LR
    start(( )) --> q0((q0))
    q0 -- 0 --> q1((q1))
    q1 -- 1 --> q2((q2))
    q2 -- 1 --> q3((q3))
    q3 -- 0 --> q4(((q4)))
    q1 -- 0 --> q5((q5))
    q2 -- 0 --> q5
    q3 -- 0 --> q5
    q4 -- 0 --> q5
    q5 -- 0 --> q5
    q5 -- 1 --> q0
    
```

Table Text Size

Input	Result
0110	Accept
000110	Reject
01110	Reject
1100110	Reject
0110000	Reject
011100	Reject
01110	Reject
0111101010	Reject
11010	Reject
001100	Reject
01100	Reject
0111010	Reject
100101010	Reject
0111010	Reject
110000	Reject
0010001	Reject

Load Inputs
Run Inputs
Clear
Enter Lambda
View Trace

2)

Estado atual	Próximo estado	
	Entrada atual	
	0	1
→ q0	q1	q5
q1	q5	q2
q2	q5	q3
q3	q4	q5
* q4	q5	q5
q5	q5	q5

### EXERCÍCIO 3

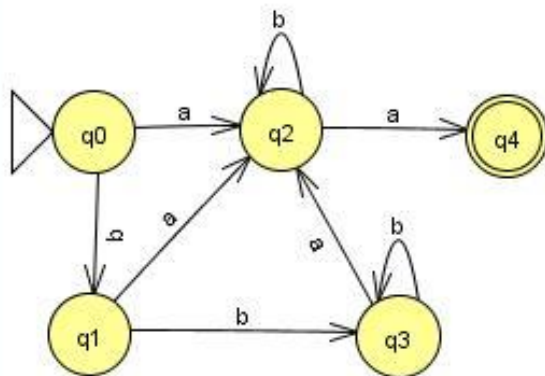


Table Text Size

Input	Result
baba	Accept

### Load Inputs

### Run Inputs

Clear

Enter Lambda

View Trace

## EXERCÍCIO 4

A)

```

graph LR
    start(( )) --> q0((q0))
    q0 -- 0 --> q1((q1))
    q0 -- 1 --> q0
    q1 -- 0 --> q2((q2))
    q1 -- 1 --> q1
    q2 -- 0 --> q1
    q2 -- 1 --> q2
    q3(((q3))) -- 1 --> q2
    q3 -- 0 --> q3
    
```

Table Text Size

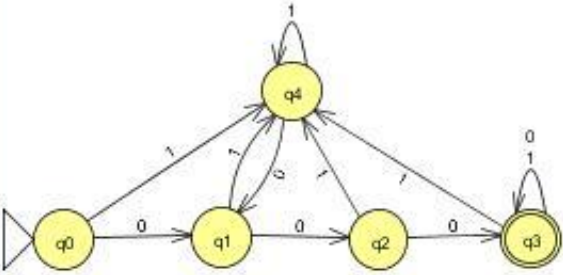
Input	Result
1101001	Reject
100	Accept
010101	Reject
0100	Accept
110010	Reject
10000	Accept
01011	Reject
010010	Reject
0110	Reject
011111001	Reject
10101010	Reject
01110	Reject
0101010100	Accept
010001	Reject
011000	Accept
1001	Reject
11001001	Reject
011100	Accept
0110	Reject

Load Inputs
Run Inputs
Clear
Enter Lambda
View Trace

4)A) Estado atual		Próximo estado	
		Entrada atual	
		0	1
→	q0	q1	q0
	q1	q3	q2
	q2	q2	q1
*	q3	q3	q2

## EXERCÍCIO 4

B)



**Table Text Size**

Input	Result
10001	Accept
00010	Accept
11001000	Accept
10010111000	Accept
1010010	Reject
010001	Accept
110100	Reject
1001011	Reject
00100	Reject
010001	Accept
010101	Reject
1000100	Accept
101010	Reject
100111	Reject
1111100	Reject
11100011	Accept
10100101	Reject
00100111	Reject
01	Reject

Load Inputs
Run Inputs
Clear
Enter Lambda
View Trace

4)B) Estado atual		Próximo estado	
		Entrada atual	
		0	1
→	q0	q1	q4
	q1	q2	q4
	q2	q3	q4
*	q3	q3	q3
	q4	q1	q4



## EXERCÍCIO 4

C)

Table Text Size

Input	Result
011	Accept
101101	Accept
010100	Reject
011010	Accept
100001	Reject
10101010	Reject
0101	Reject
00110	Accept
01011	Accept
1101011	Accept
111011	Accept
110110100	Accept
11010100	Reject
0101111	Accept
011111	Accept
111111	Reject
000000	Reject
0100000	Reject
1000	Reject

Load Inputs
Run Inputs
Clear
Enter Lambda
View Trace

4)c) Estado atual		Próximo estado	
		Entrada atual	
		0	1
→	q0	q1	q4
	q1	q5	q2
	q2	q6	q3
*	q3	q3	q3
	q4	q1	q4
	q5	q1	q2
	q6	q6	q2