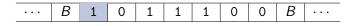
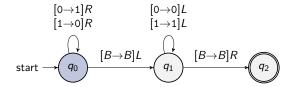
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

•••	В	1 0	1	1	1	0	0	В	
-----	---	-----	---	---	---	---	---	---	--

- 1: Flip each bit of the input: $1 \rightarrow 0$ and $0 \rightarrow 1$
- 2: Go to the first input symbol

$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

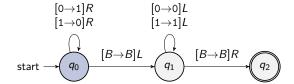




Flip each bit of the input: $1 \rightarrow 0$ and $0 \rightarrow 1$.

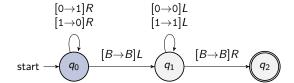
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

• • •	В	0	0	1	1	1	0	0	В	• • • •
-------	---	---	---	---	---	---	---	---	---	---------



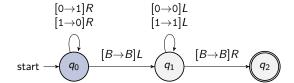
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

B 0 1 1 1 1 0	0	0 <i>B</i>	• • •
---------------	---	------------	-------



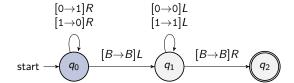
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

	В	0	1	0	1	1	0	0	В	
--	---	---	---	---	---	---	---	---	---	--



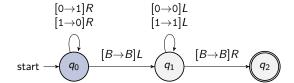
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

• • •	В	0	1	0	0	1	0	0	В	• • •
-------	---	---	---	---	---	---	---	---	---	-------



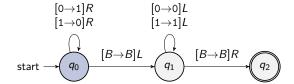
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

• • •	В	0	1	0	0	0	0	0	В	
-------	---	---	---	---	---	---	---	---	---	--



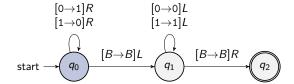
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

•••	В	0	1	0	0	0	1	0	В	
-----	---	---	---	---	---	---	---	---	---	--

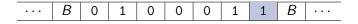


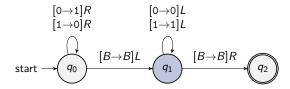
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

• • •	В	0	1	0	0	0	1	1	В	• • • •
-------	---	---	---	---	---	---	---	---	---	---------



$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

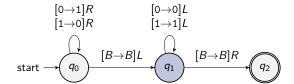




Go to the first input symbol.

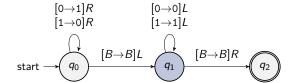
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

•••	В	0	1	0	0	0	1	1	В	• • •
-----	---	---	---	---	---	---	---	---	---	-------



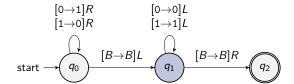
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

$\cdots \mid B \mid 0 \mid 1 \mid 0 \mid 0 \mid 0 \mid 1 \mid 1 \mid B \mid \cdots$



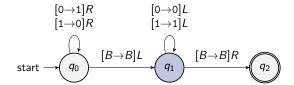
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

•••	В	0	1	0	0	0	1	1	В	
-----	---	---	---	---	---	---	---	---	---	--



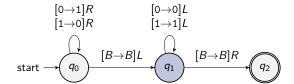
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

•••	В	0	1	0	0	0	1	1	В	
-----	---	---	---	---	---	---	---	---	---	--



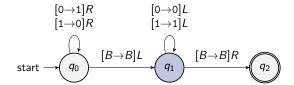
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

• • •	<i>B</i> 0	1	0 0	0	1	1	В	
-------	------------	---	-----	---	---	---	---	--



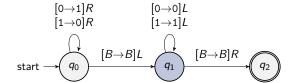
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

· · · B	0 1	0 0	0 1	1	В	•••
-----------	-----	-----	-----	---	---	-----



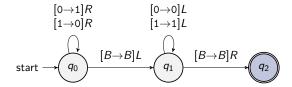
$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

B 0 1 0 0 0 1 1	• • • •
-----------------	---------



$$f(w \in \{0,1\}^*) = (\text{the flip of each bit in } w)$$

B 0 1 0 0 0 1 1 B



Computed! f(1011100) = 0100011