Regular Expression Used: (01)*

NFA Produced:

State	1	0	- 1	1	- 1	eps	Accepting State
)		1					No
L	ĺ		ĺ		ĺ	2	No
2	ĺ		ĺ	3	ĺ		No
3	İ		ĺ		i i	0 5	No
ļ	İ		ĺ		i i	0 5	No
	i i		i		İ		Yes

DFA Produced:

STATE	Ι	0	1	1	Accepting State
0 1 2 3		1 3 1 3		3 2 3 3	1 0 1 0
The start state is: 0					

Stimulations:

1. Input: 01010101

Result:

Enter th	e string to be s	timulated:010101	01		
Input	Current State	Next State	Ī		
0	0	1	Ī		
1	1	2	ĺ		
0	2	1	İ		
1	1	2	İ		
0	2	1	İ		
1	1	2	ĺ		
0	2	1	ĺ		
1	1	2			
Result:Accepted					

2. Input: 01010

Result:

Enter 1	the string to be	stimulated:01010			
Input	Current State	Next State			
0 1	0 1	1 2			
0 1	2	1 1			
0	2	1			
Result:Rejected					

3. Input: e (denotes epsilon)

Result:

Enter the string to be stimulated:e
Result:Accepted