

Regular Expression Used: 01^*+1

NFA Produced:

State	0	1	eps	Accepting State
0	1			No
1			4	No
2		3		No
3			2 5	No
4			2 5	No
5			9	No
6		7		No
7			9	No
8			0 6	No
9				Yes

The start state is: 8

DFA Produced:

STATE	0	1	Accepting State
0	1	2	0
1	4	3	1
2	4	4	1
3	4	3	1
4	4	4	0

The start state is: 0

Stimulations:

1. Input: 01111

Result:

Enter the string to be stimulated: 01111		
Input	Current State	Next State
0	0	1
1	1	3
1	3	3
1	3	3
1	3	3

Result: Accepted

2. Input: 0011

Result:

```
Enter the string to be stimulated:0011
```

Input	Current State	Next State
0	0	1
0	1	4
1	4	4
1	4	4

```
Result:Rejected
```

3. Input:1

Result:

```
Enter the string to be stimulated:1
```

Input	Current State	Next State
1	0	2

```
Result:Accepted
```