NFA-DFA Conversion Example-3
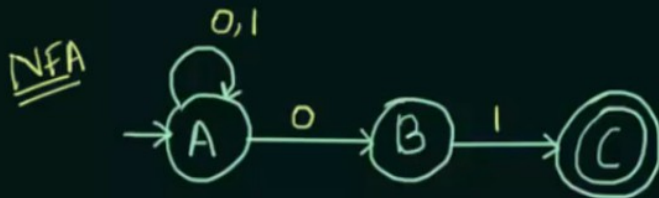
Conversion of NFA to DFA - Examples (Part-3)

Given below is the NFA for a language

L = { Set of all strings over (0,1) that ends with '01' }. Construct its equivalent DFA

NFA

	0	1
→A	A, B	A
B	φ	C
Ⓒ	φ	φ

Conversion of NFA to DFA - Examples (Part-3)

Given below is the NFA for a language

L = { Set of all strings over (0,1) that ends with '01' }. Construct its equivalent DFA

NFA

0,1

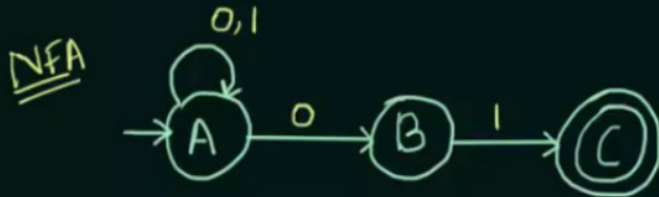→(A) ──0──> (B) ──1──> ((C))

	0	1
→A	A,B	A
B	φ	C
©	φ	φ

	0	1
→A		

Given below is the NFA for a language

L = { Set of all strings over (0,1) that ends with '01' }. Construct its equivalent DFA

NFA

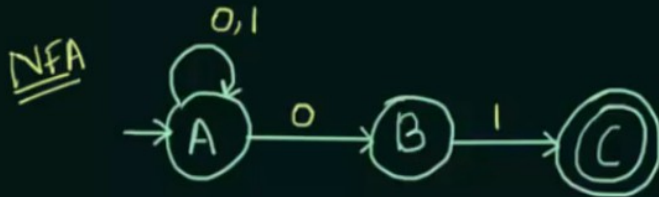|	0	1
→A	A, B	A
B	φ	C
Ⓒ	φ	φ

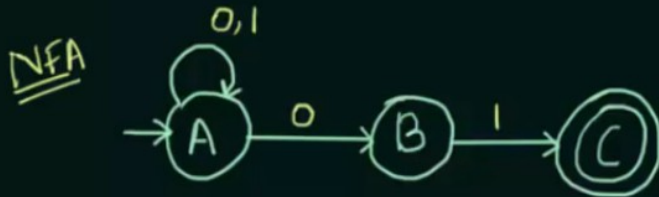|	0	1
→A	AB	A

Conversion of NFA to DFA - Examples (Part-3)

Given below is the NFA for a language
L = { Set of all strings over (0,1) that ends with '01' }.   Construct its equivalent DFA

NFA

	0	1
→A	A, B	A
B	φ	C
Ⓒ	φ	φ

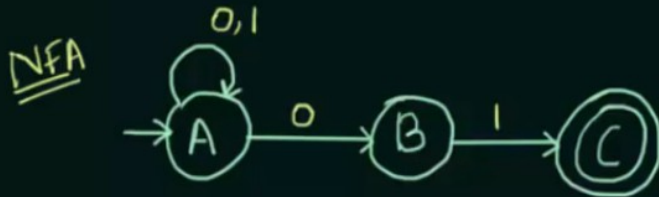|	0	1
→A	AB	A
AB	AB	AC

Conversion of NFA to DFA - Examples (Part-3)

Given below is the NFA for a language

L = { Set of all strings over (0,1) that ends with '01' }. Construct its equivalent DFA

NFA

	0	1
→A	A, B	A
B	φ	C
Ⓒ	φ	φ

	0	1
→A	AB	A
AB	AB	AC
AC	AB	A

Given below is the NFA for a language

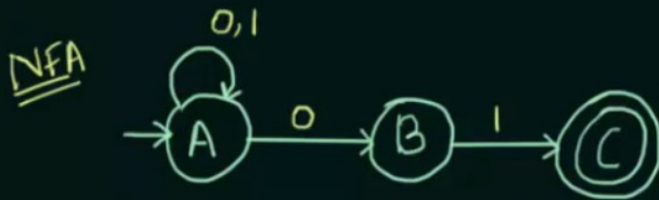L = { Set of all strings over (0,1) that ends with '01' }. Construct its equivalent DFA

NFA

	0	1
→A	A,B	A
B	φ	C
Ⓒ	φ	φ

	0	1
→A	AB	A
AB	AB	AC
ⒶⒸ	AB	A

Given below is the NFA for a language

L = { Set of all strings over (0,1) that ends with '01' }.   Construct its equivalent DFA

NFA

0,1

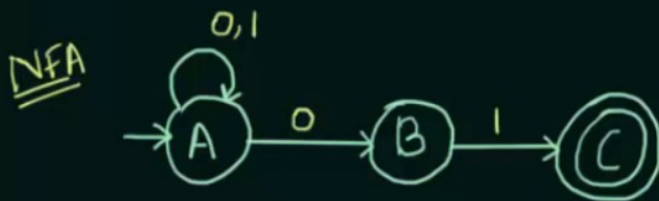→ A $\xrightarrow{0}$ B $\xrightarrow{1}$ C

	0	1
→A	A,B	A
B	φ	C
Ⓒ	φ	φ

DFA

1

→ A $\xrightarrow{0}$ AB

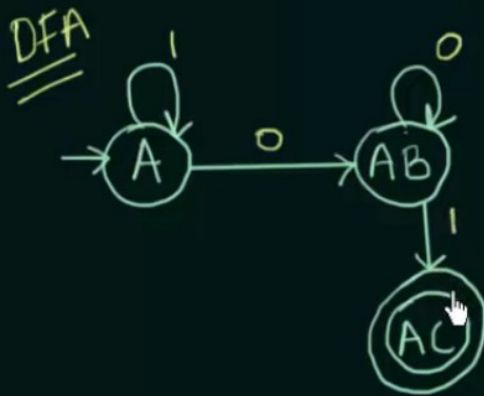|	0	1
→A	AB	A
AB	AB	AC
Ⓐⓒ	AB	A

Given below is the NFA for a language

L = { Set of all strings over (0,1) that ends with '01' }.   Construct its equivalent DFA

NFA

	0	1
→A	A, B	A
B	φ	C
Ⓒ	φ	φ

DFA

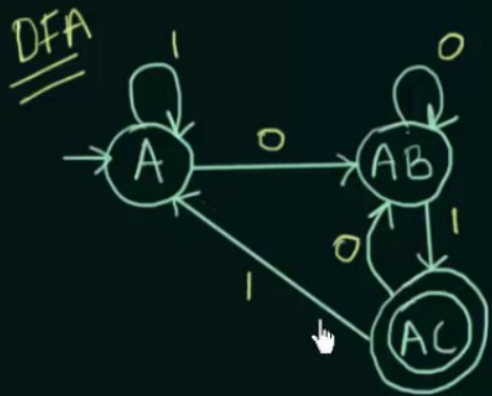|	0	1
→A	AB	A
AB	AB	AC
ⒶⒸ	AB	A

Given below is the NFA for a language

L = { Set of all strings over (0,1) that ends with '01' }.   Construct its equivalent DFA

NFA

0,1

→(A) —0→ (B) —1→ ((C))

	0	1
→A	A, B	A
B	φ	C
©	φ	φ

DFA

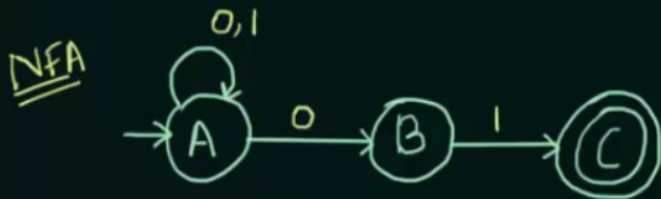|	0	1
→A	AB	A
AB	AB	AC
AC	AB	A

Given below is the NFA for a language

L = { Set of all strings over (0,1) that ends with '01' }. Construct its equivalent DFA

NFA

0, 1

	0	1
→A	A, B	A
B	φ	C
Ⓒ	φ	φ

DFA

	0	1
→A	AB	A
AB	AB	AC
(AC)	AB	A

1 1 0 1 ✓
1 1 0 ✗

- **Questions???**