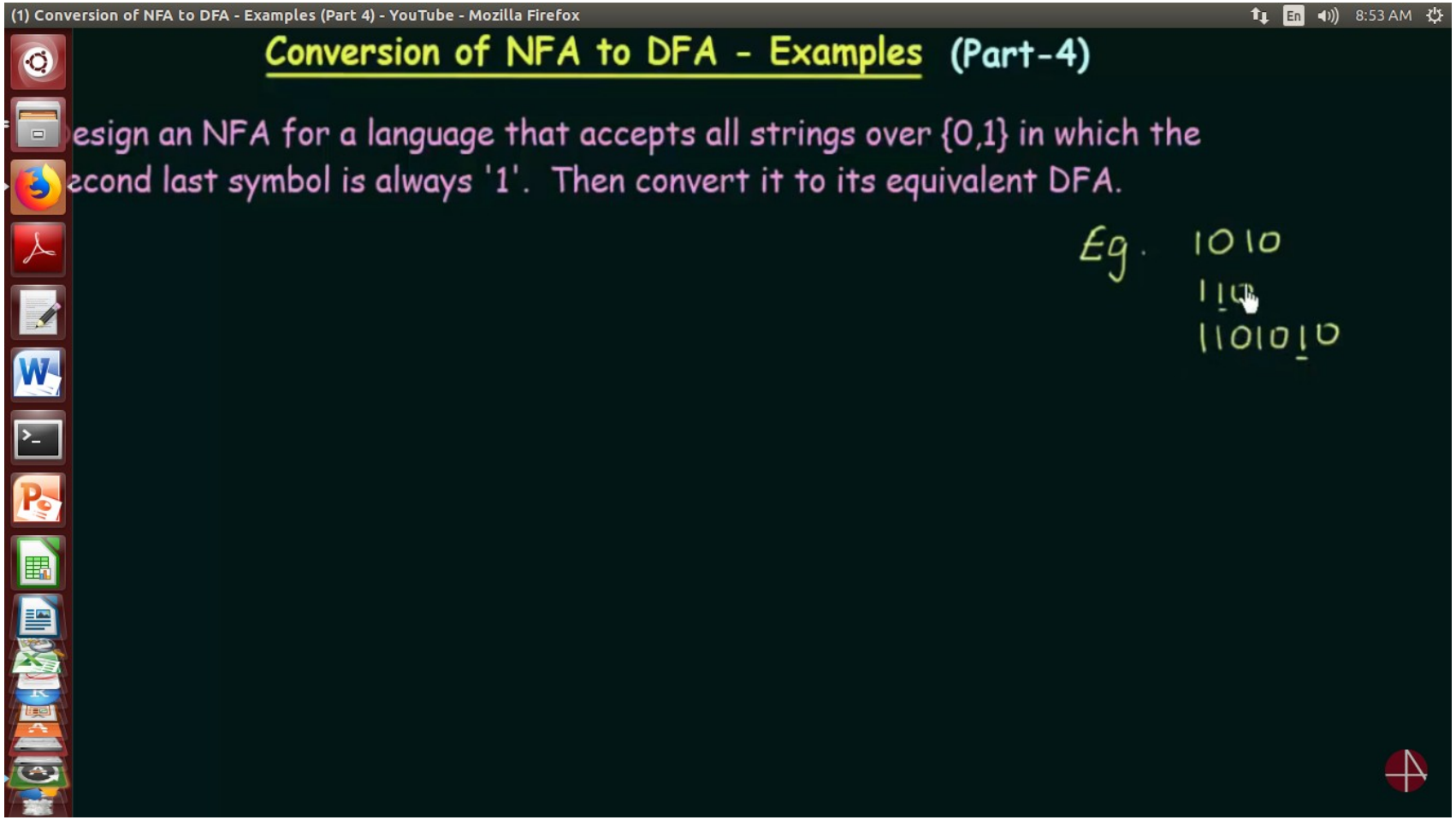
NFA-DFA Conversion Example-4

Conversion of NFA to DFA - Examples (Part-4)

Design an NFA for a language that accepts all strings over {0,1} in which the second last symbol is always '1'. Then convert it to its equivalent DFA.

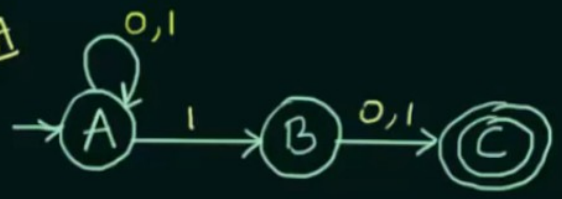

(1) Conversion of NFA to DFA - Examples (Part 4) - YouTube - Mozilla Firefox
En
8:53 AM
Conversion of NFA to DFA - Examples (Part-4)
esign an NFA for a language that accepts all strings over {0,1} in which the
econd last symbol is always '1'. Then convert it to its equivalent DFA.
Eg. 1010
11
110101

Conversion of NFA to DFA - Examples (Part-4)

Design an NFA for a language that accepts all strings over {0,1} in which the second last symbol is always '1'. Then convert it to its equivalent DFA.

Eg. 10<u>1</u>0
11<u>0</u>
1101<u>0</u>1<u>0</u>

NFA

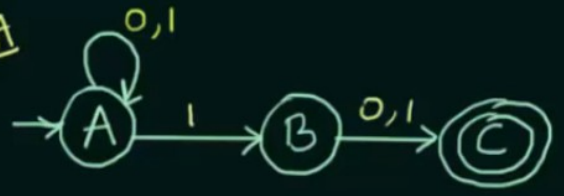


Conversion of NFA to DFA - Examples (Part-4)

Design an NFA for a language that accepts all strings over {0,1} in which the second last symbol is always '1'. Then convert it to its equivalent DFA.

Eg. 10<u>1</u>0
11<u>0</u>
1101<u>0</u>1<u>0</u>

NFA



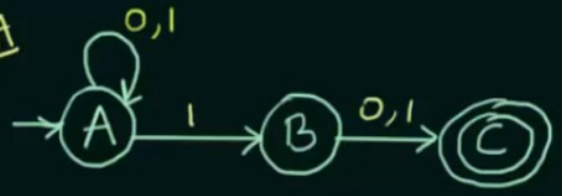
	0	1
→A		
B		
C		

Conversion of NFA to DFA - Examples (Part-4)

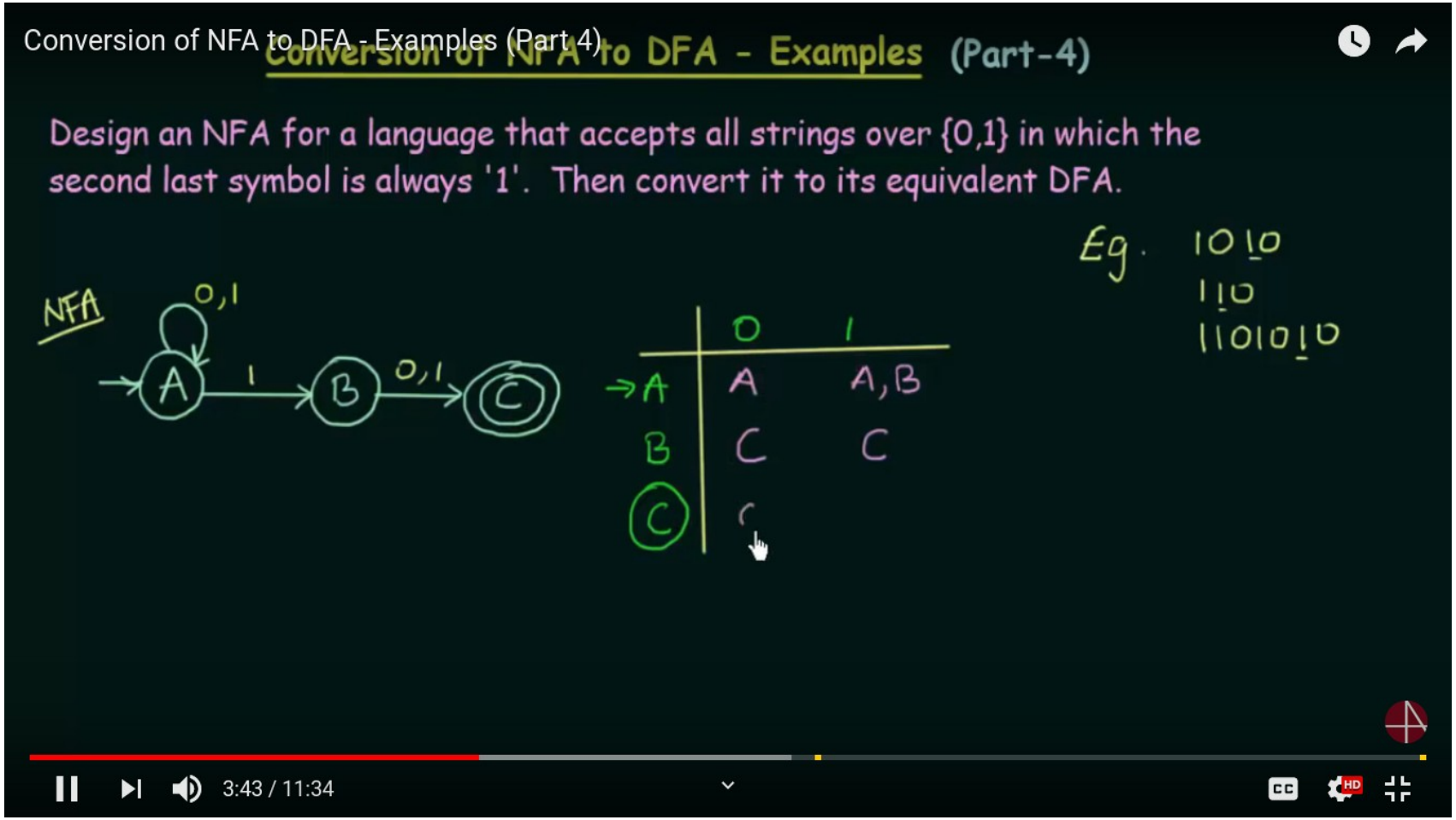
Design an NFA for a language that accepts all strings over {0,1} in which the second last symbol is always '1'. Then convert it to its equivalent DFA.

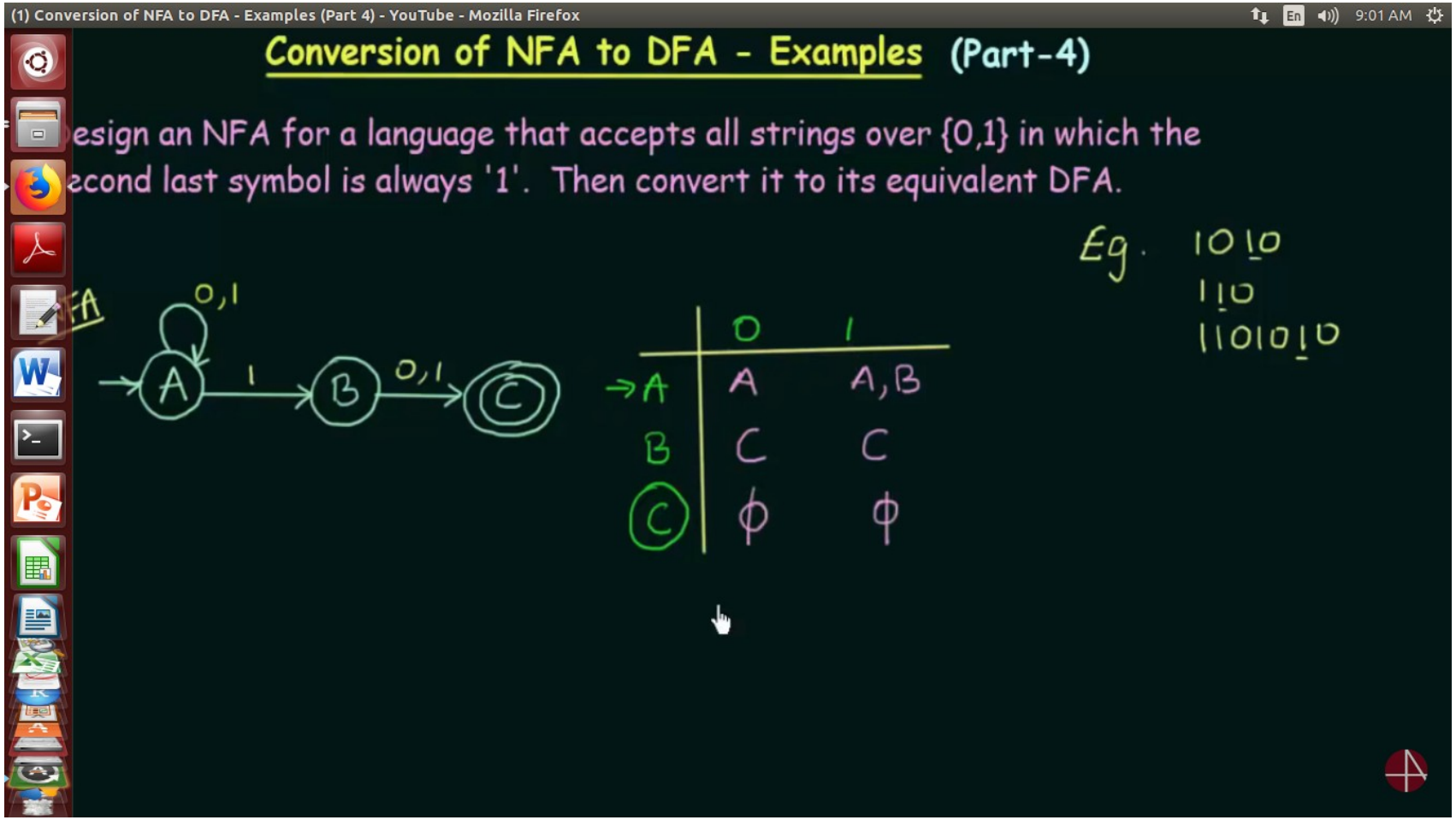
Eg. 10<u>1</u>0
11<u>0</u>
11010<u>1</u>0

NFA



	0	1
→ A	A	A, B
B		
C		

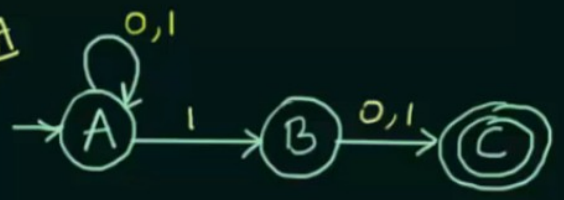

Conversion of NFA to DFA - Examples (Part-4)
Conversion of NFA to DFA - Examples (Part-4)
Design an NFA for a language that accepts all strings over {0,1} in which the second last symbol is always '1'. Then convert it to its equivalent DFA.
NFA
0,1
1
0,1
A
B
C
0 1
→A A A,B
B C C
C C
Eg. 1010
110
1101010
3:43 / 11:34


(1) Conversion of NFA to DFA - Examples (Part 4) - YouTube - Mozilla Firefox
9:01 AM
Conversion of NFA to DFA - Examples (Part-4)
esign an NFA for a language that accepts all strings over {0,1} in which the
econd last symbol is always '1'. Then convert it to its equivalent DFA.
FA
0,1
1
0,1
A
B
C
0 1
→A A A,B
B C C
C ϕ ϕ
Eg. 1010
110
1101010

Design an NFA for a language that accepts all strings over {0,1} in which the second last symbol is always '1'. Then convert it to its equivalent DFA.

Eg. 1010
110
11010

NFA



	0	1
→A	A	A,B
B	C	C
(C)	ϕ	ϕ

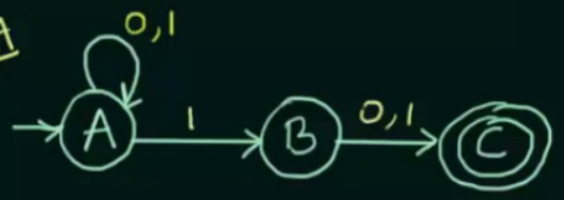
DFA

	0	1
→A		

Design an NFA for a language that accepts all strings over {0,1} in which the second last symbol is always '1'. Then convert it to its equivalent DFA.

Eg. 10<u>1</u>0
11<u>1</u>0
1101<u>0</u>1<u>0</u>

NFA

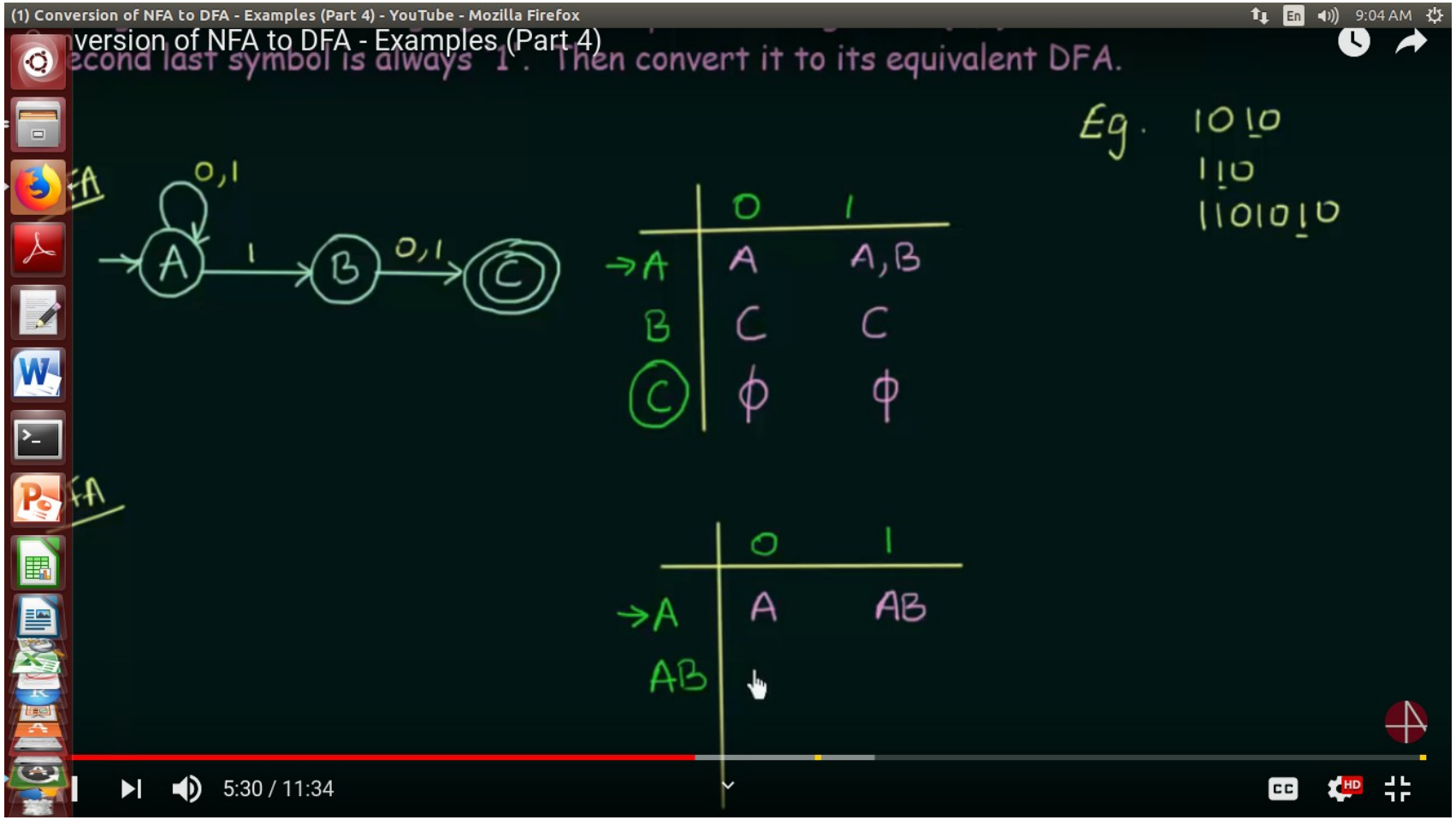


	0	1
→A	A	A,B
B	C	C
(C)	ϕ	ϕ

DFA

	0	1
→A	A	AB

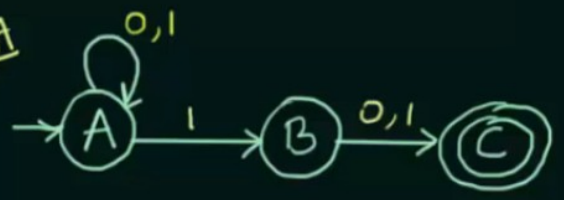
(1) Conversion of NFA to DFA - Examples (Part 4) - YouTube - Mozilla Firefox



Design an NFA for a language that accepts all strings over {0,1} in which the second last symbol is always '1'. Then convert it to its equivalent DFA.

Eg. 1010
1110
11010110

NFA



	0	1
→A	A	A,B
B	C	C
(C)	ϕ	ϕ

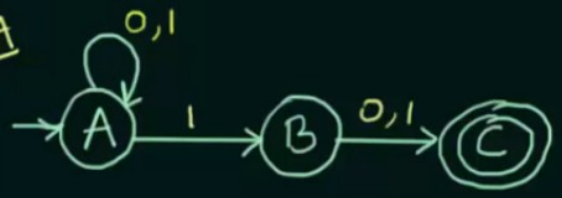
DFA

	0	1
→A	A	AB
AB	AC	ABC

Second last symbol is always "1". Then convert it to its equivalent DFA.

Eg. 1010
110
11010

NFA



	0	1
→A	A	A,B
B	C	C
(C)	ϕ	ϕ

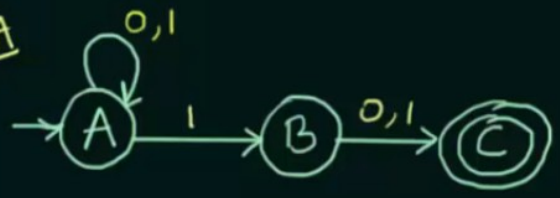
DFA

	0	1
→A	A	AB
AB	AC	ABC
AC		

second last symbol is always "1". Then convert it to its equivalent DFA.

Eg. 1010
110
11010

NFA



	0	1
→A	A	A,B
B	C	C
(C)	ϕ	ϕ

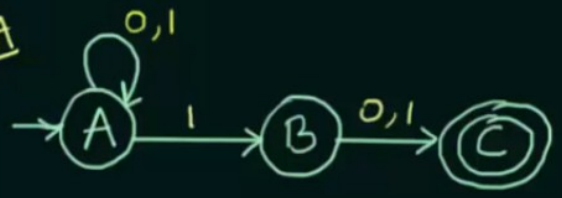
DFA

	0	1
→A	A	AB
AB	AC	ABC
AC	A	AB
ABC		

Second last symbol is always "1". Then convert it to its equivalent DFA.

Eg. 1010
110
11010

NFA



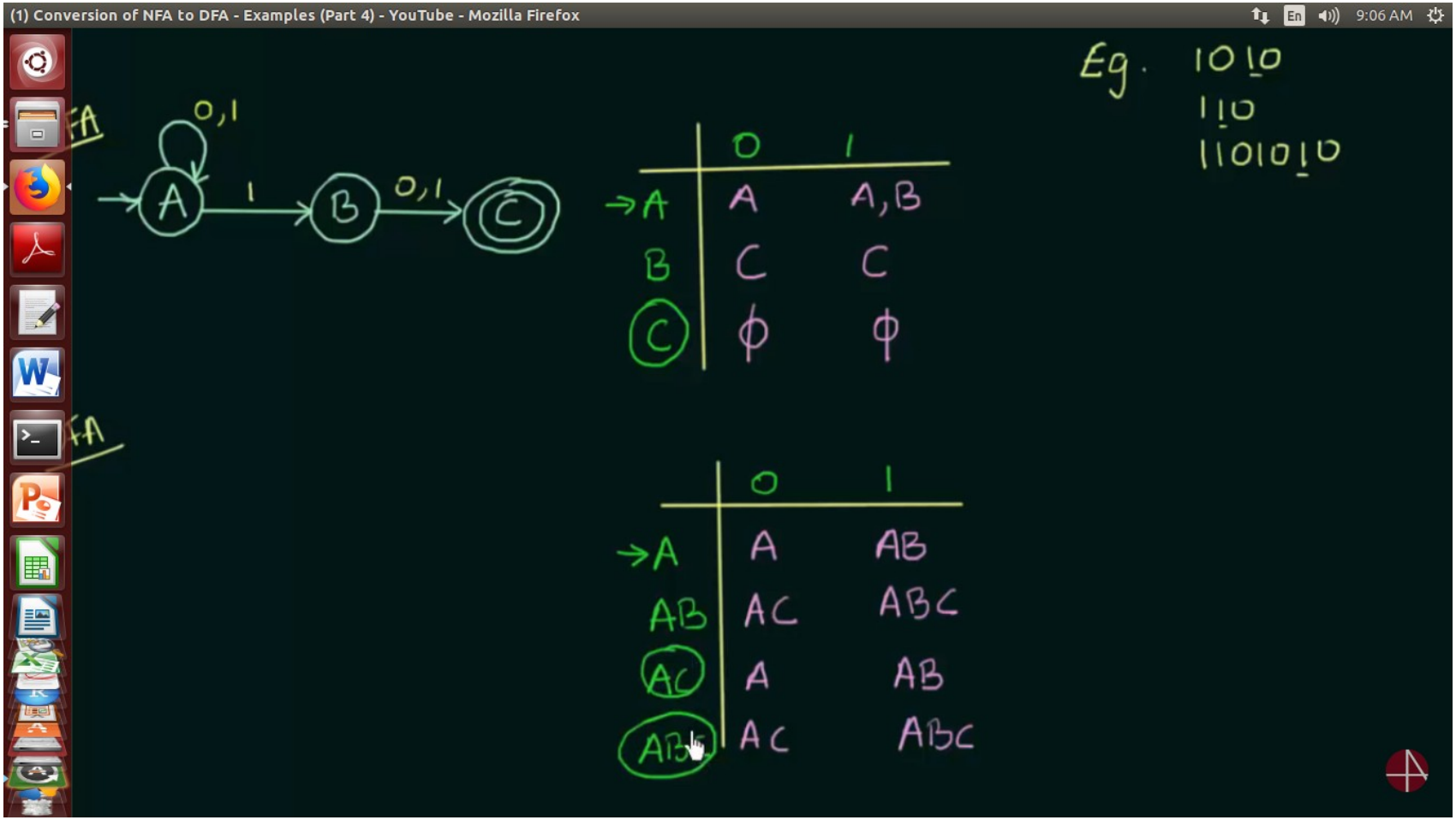
	0	1
→A	A	A,B
B	C	C
(C)	ϕ	ϕ

DFA

	0	1
→A	A	AB
AB	AC	ABC
AC	A	AB
ABC	AC	ABC

(1) Conversion of NFA to DFA - Examples (Part 4) - YouTube - Mozilla Firefox

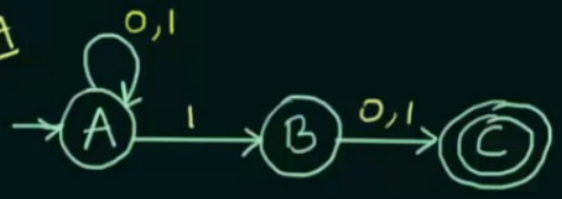
9:06 AM



Second last symbol is always "1". Then convert it to its equivalent DFA.

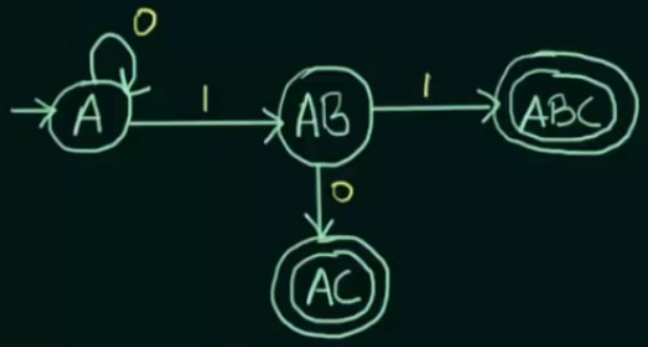
Eg. 1010
110
11010

NFA



	0	1
→A	A	A,B
B	C	C
(C)	ϕ	ϕ

DFA

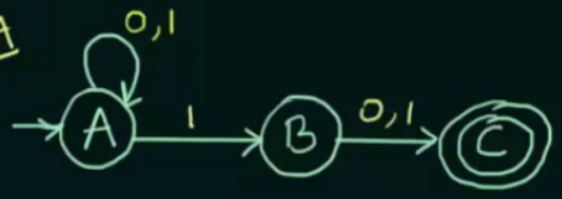


	0	1
→A	A	AB
AB	AC	ABC
(AC)	A	AB
(ABC)	AC	ABC

second last symbol is always "1". Then convert it to its equivalent DFA.

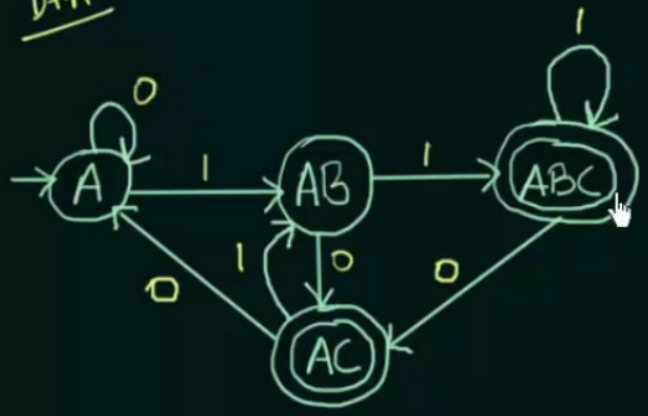
Eg. 10$\underline{1}$0
1$\underline{1}$0
11010$\underline{1}$0

NFA



	0	1
→A	A	A,B
B	C	C
(C)	ϕ	ϕ

DFA



	0	1
→A	A	AB
AB	AC	ABC
(AC)	A	AB
(ABC)	AC	ABC

- **Questions????**