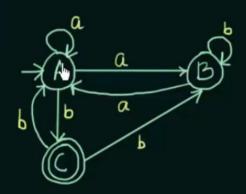
NFA-DFA Conversion Example-2 (Part2)

Find the equivalent DFA for the NFA given by $M = [\{A,B,C\}, (a,b), \delta, A, \{C\}]$ where δ is given by:

$$\begin{array}{c|cccc}
 & a & b \\
 & A & A, B & C \\
 & B & A & B \\
 & C & - & A, B
\end{array}$$

Find the equivalent DFA for the NFA given by $M = [A,B,C], (a,b), \delta, A, \{C\}]$ where

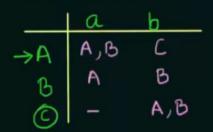
	a	b
→A	AB	C
В	A	В
0	_	A,B

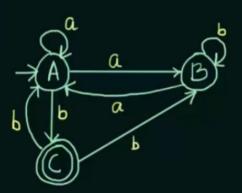


Conversion of NFA to DFA = Examples (Part 2) to DFA - Examples (Part -2)



Find the equivalent DFA for the NFA given by $M = [\{A,B,C\}, (a,b), \delta, A, \{C\}]$ where



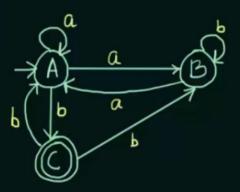






Find the equivalent DFA for the NFA given by $M = [\{A,B,C\}, (a,b), \delta, A, \{C\}]$ where

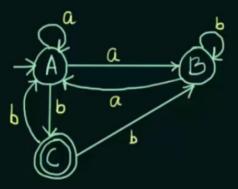




$$\rightarrow A$$
 AB C

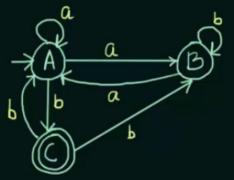
Find the equivalent DFA for the NFA given by $M = [\{A,B,C\}, (a,b), \delta, A, \{C\}]$ where δ is given by:

	a	b
→A	AB	C
В	Α	В
0	-	A,B

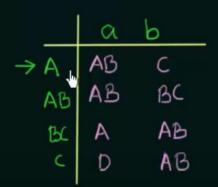


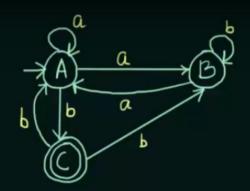
Find the equivalent DFA for the NFA given by $M = [\{A,B,C\}, (a,b), \delta, A, \{C\}]$ where δ is given by:

	a	b
→A	AB	C
В	A	В
0	_	A,B



	a	b
→A	AB	C
B	A	В
0	_	A,B







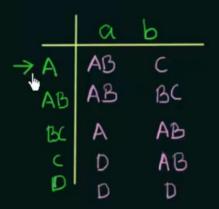


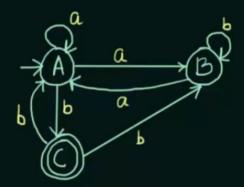




This the equivalent of A for the M A given by M- [{A,b,c}, (a,b), a, A, {c}] Where

	a	b
→A	AB	C
В	A	В
0	-	A,B

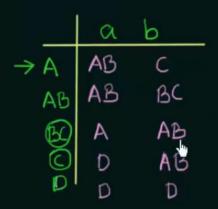


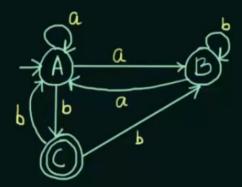


mid the equivalent of the file the training man [[m,b,c], (d,b), a, h, [c]] where

∫ is given by:

	a	b
→A	AB	C
В	A	В
0	-	A,B

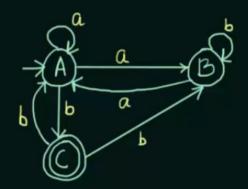


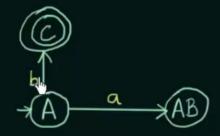


The the equitation of the third method by M- [\text{\tinc{\text{\til\text{\texi\text{\texitt{\text{\texi\text{\texi{\text{\text{\texi\texi{\text{\text{\texi}\tint{\text{\texit{\text{\text{\texi{\texi{\texi{\texi{\texi{\te

	a	b
→A	AB	C
В	A	В
0	-	A,B

	a	b
$\rightarrow \overline{A}$	AB	С
AB	AB	BC
(EC)	Α	AB
Ö	D	AB
D	D	D

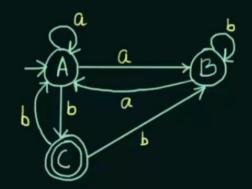


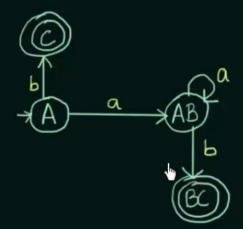


ma mo equivalent of the moral trighten by M- [\tau,b,c, (u,b), a, t, (c)] where

	a	b
→A	AB	C
В	A	В
0	-	A,B

	a	b
$\rightarrow \overline{A}$	AB	C
AB	AB	BC
(BC)	A	AB
Ö	D	AB
D	D	D

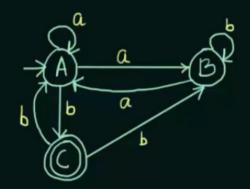


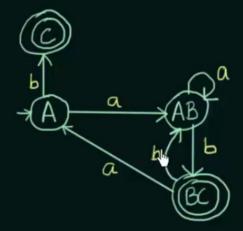


ma mo equivalent of the moral trighten by M- [\tau,b,c, (u,b), a, t, (c)] where

	a	b
→A	AB	C
В	A	В
0	-	A,B

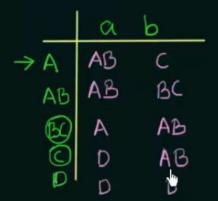
	a	b
$\rightarrow \overline{A}$	AB	С
AB	AB	BC
(BG)	Α	AB
Ö	D	AB
D	D	D

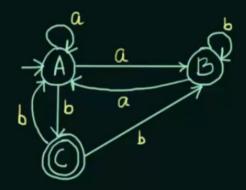


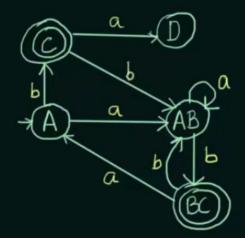


This mo equivalent of A for the M A given by M- [{A,b,c}, (a,b), a, A, {c}] Where

	a	b
→A	AB	C
В	A	В
0	_	A,B

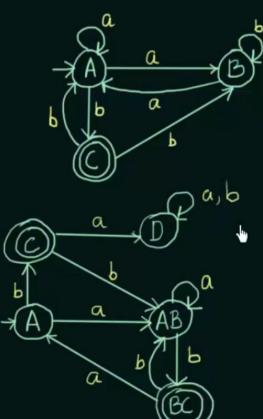


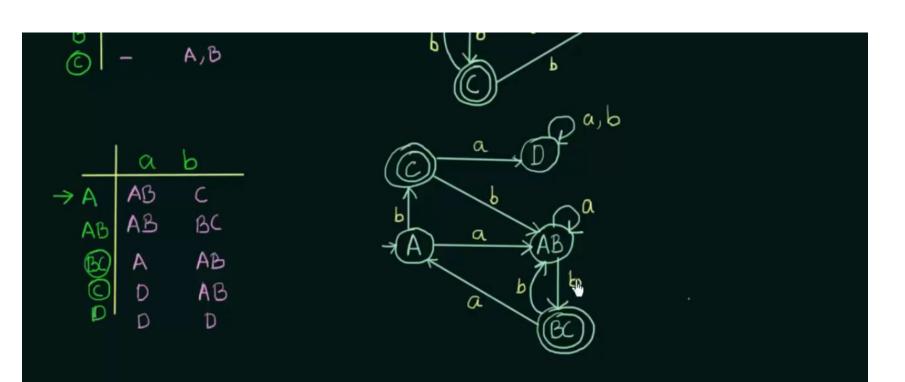




This the equivalent of the the thirty of M- [{X,b,c}, (a,b), a, X, {c}] where

	a	b
→A	AB	C
В	A	В
0	_	A,B





Assignment: Try to find out what does this NFA and its equivalent DFA accept

• Questions????