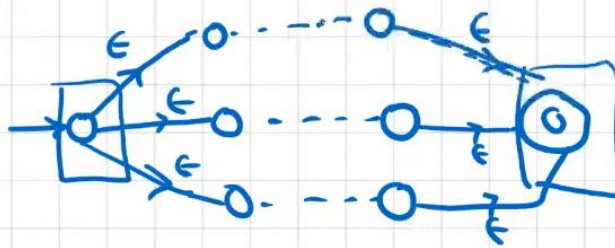
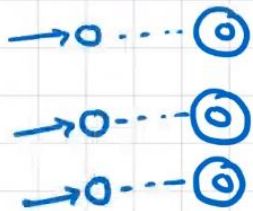


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State Elimination method :-

- ① Simplify the transition graph such that it has only one initial state and final/accept state.



B083 Hemnani Mihir Jit...

B115 G SRI CHANDANA ...

B105 KANADE SHIVART...

Dr. Balu L. Parne SVNIT

B084 AMANKUMAR CH...

B109 CH ADITHYA SVNIT

B119 YASH SHAH SVNIT

27 others

You

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② Simplify the transition graph such that it has different initial and final state



Windows taskbar showing various application icons, system tray icons, and the time/date: 8:38 AM 2/25/2022.

8:38 AM | Div-B | CS208 | AFL Theory Class | 25.02.2022 @ 8:...

Zoom meeting controls: mute/unmute, video on/off, chat, help, and a red call button.



B083 Hemnani Mihir Jit...



B115 G SRI CHANDANA ...



B105 KANADE SHIVART...



Dr. Balu L. Parne SVNIT



B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



27 others



You

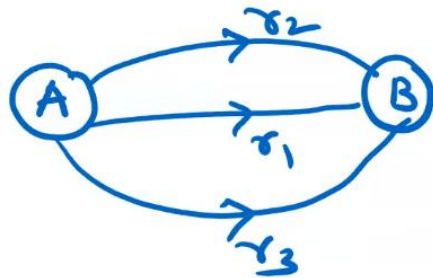
Zoom meeting controls: info, participants (36), chat, and a grid icon.

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③

If a parallel edges exist between a pair of state then convert all the parallel edges into single edge using '+' operator.



B
B080 BHIMANI RAJ

B115 G SRI CHANDANA ...

B
B105 KANADE SHIVART...

Dr. Balu L. Parne SVNIT

B
B084 AMANKUMAR CH...

#CAMPUS4UG
B109 CH ADITHYA SVNIT

B
B119 YASH SHAH SVNIT

B B
28 others

You
Profile icon and name.



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eliminate the state from the transition graph.



BP




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B080 BHIMANI RAJ


B115 G SRI CHANDANA ...



B105 KANADE SHIVART...



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B084 AMANKUMAR CH...


B109 CH ADITHYA SVNIT


B119 YASH SHAH SVNIT

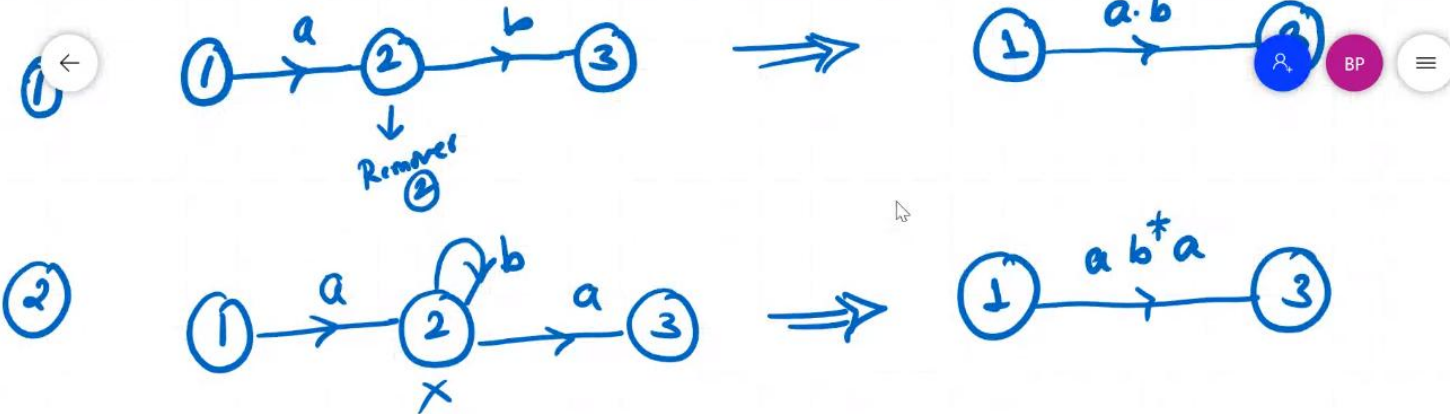

30 others


You



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B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



B105 KANADE SHIVART...



Dr. Balu L. Parne SVNIT



B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



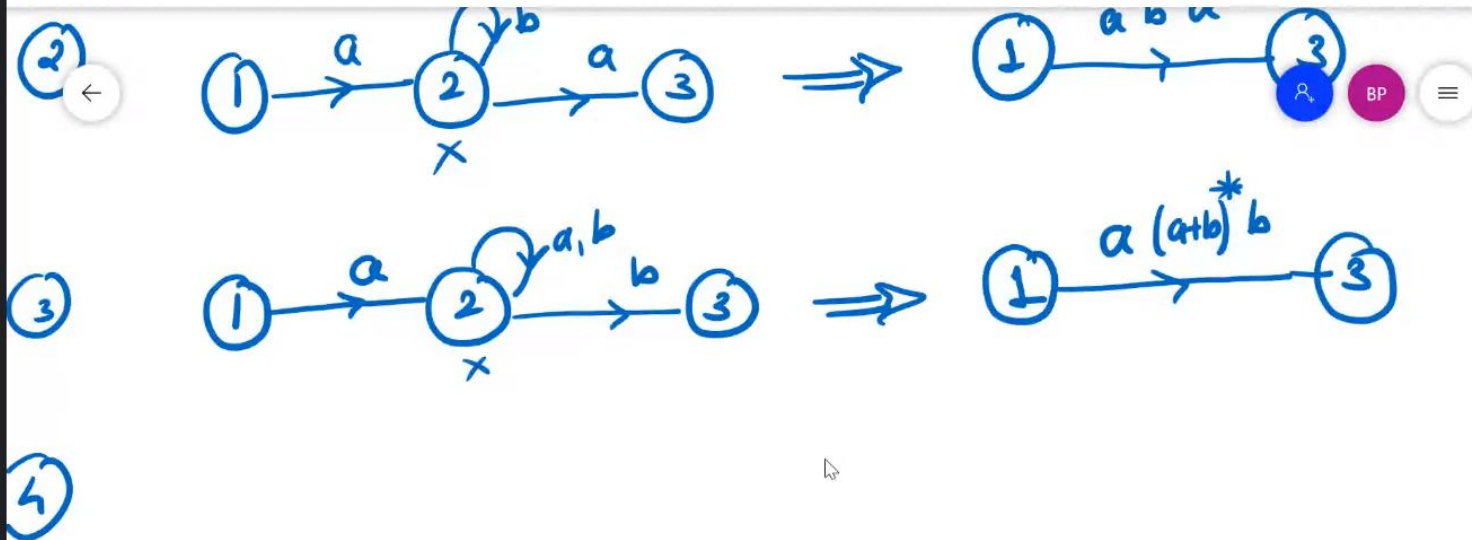
32 others



You

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B096 SNEHARSH BELSA...

B115 G SRI CHANDANA ...

B105 KANADE SHIVART...

Dr. Balu L. Parne SVNIT

B084 AMANKUMAR CH...

B109 CH ADITHYA SVNIT

B119 YASH SHAH SVNIT

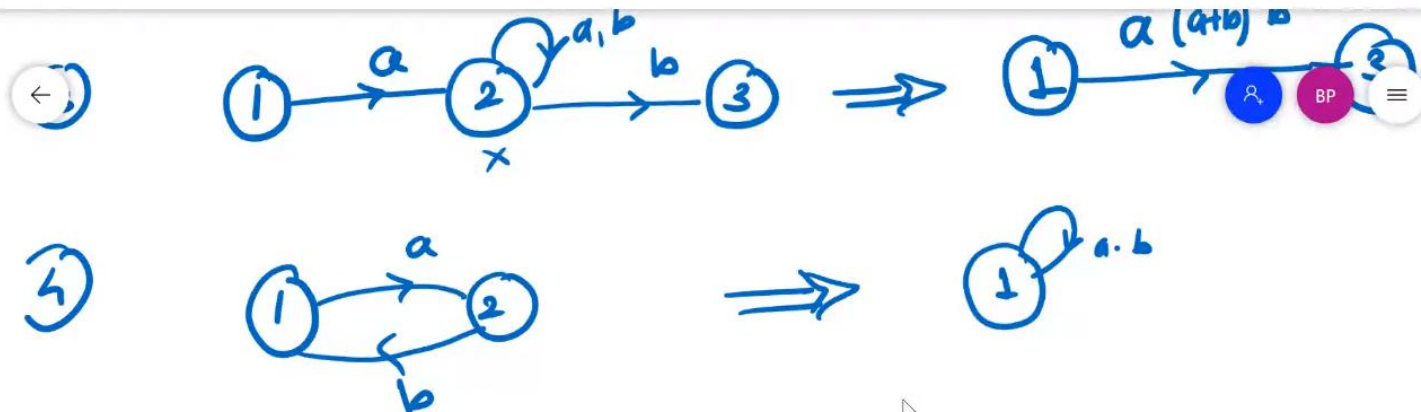
32 others

You



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B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



B105 KANADE SHIVART...



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B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



32 others



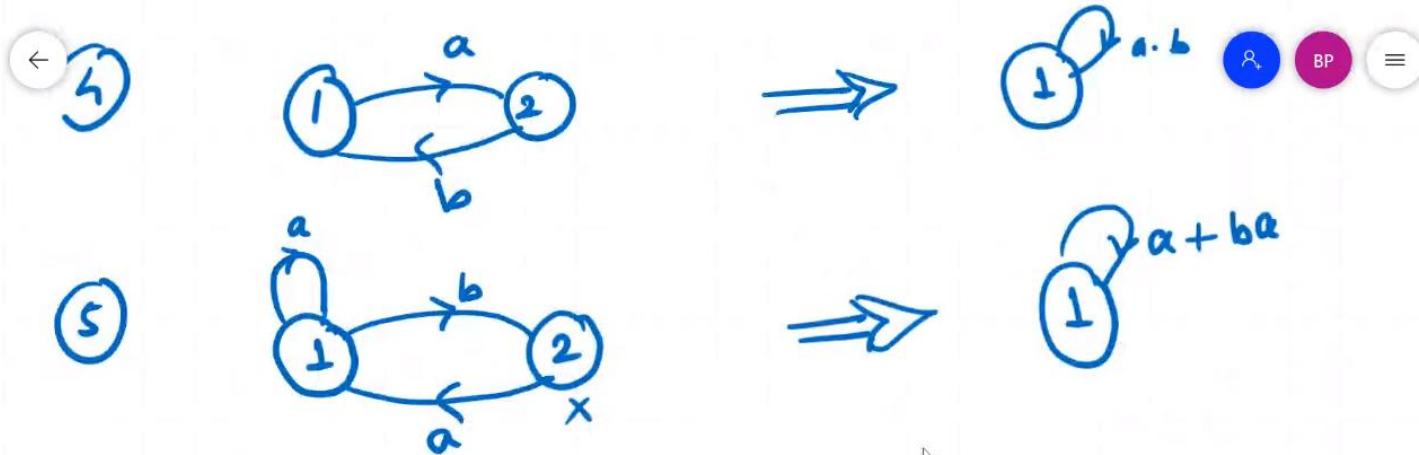
You



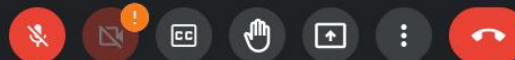


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B096 SNEHARSH BELSA...

B115 G SRI CHANDANA ...

B105 KANADE SHIVART...

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B084 AMANKUMAR CH...

B109 CH ADITHYA SVNIT

B119 YASH SHAH SVNIT

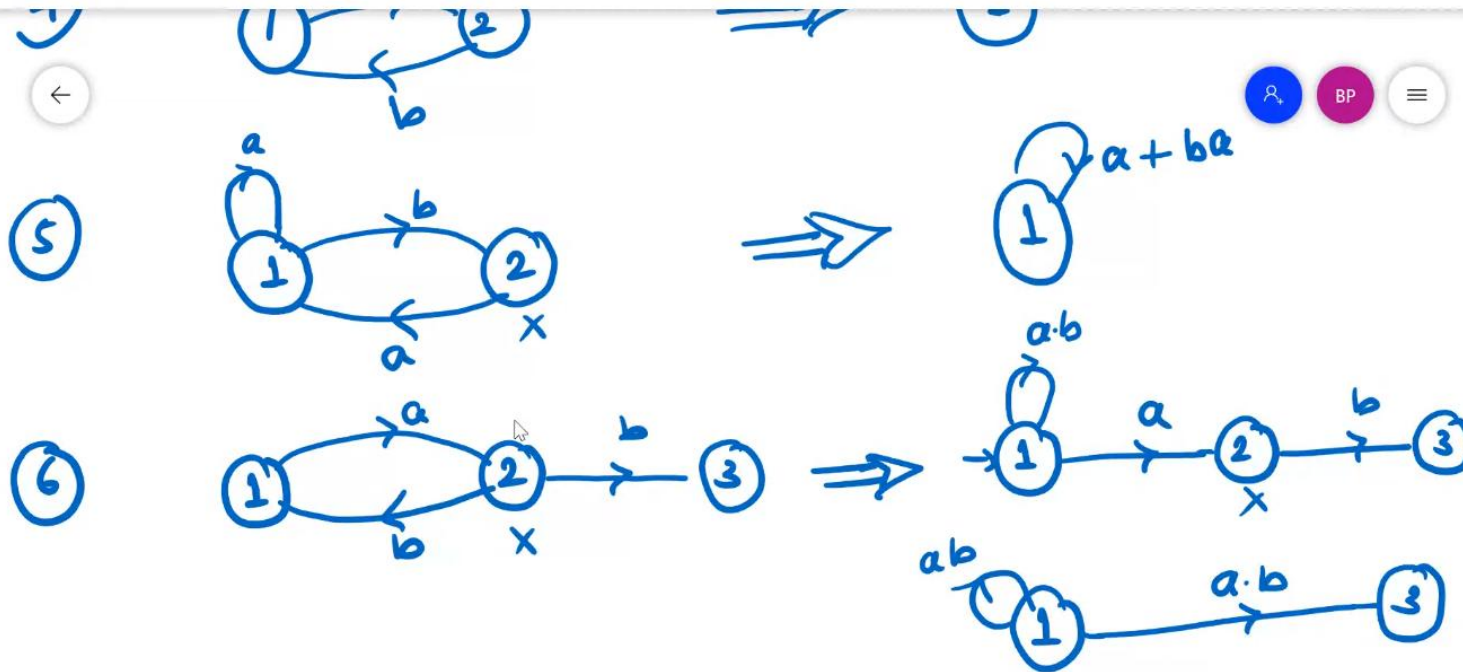
34 others

You



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8:46 AM | Div-B | CS208 | AFL Theory Class | 25.02.2022 @ 8:...



B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



B105 KANADE SHIVART...



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B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



35 others



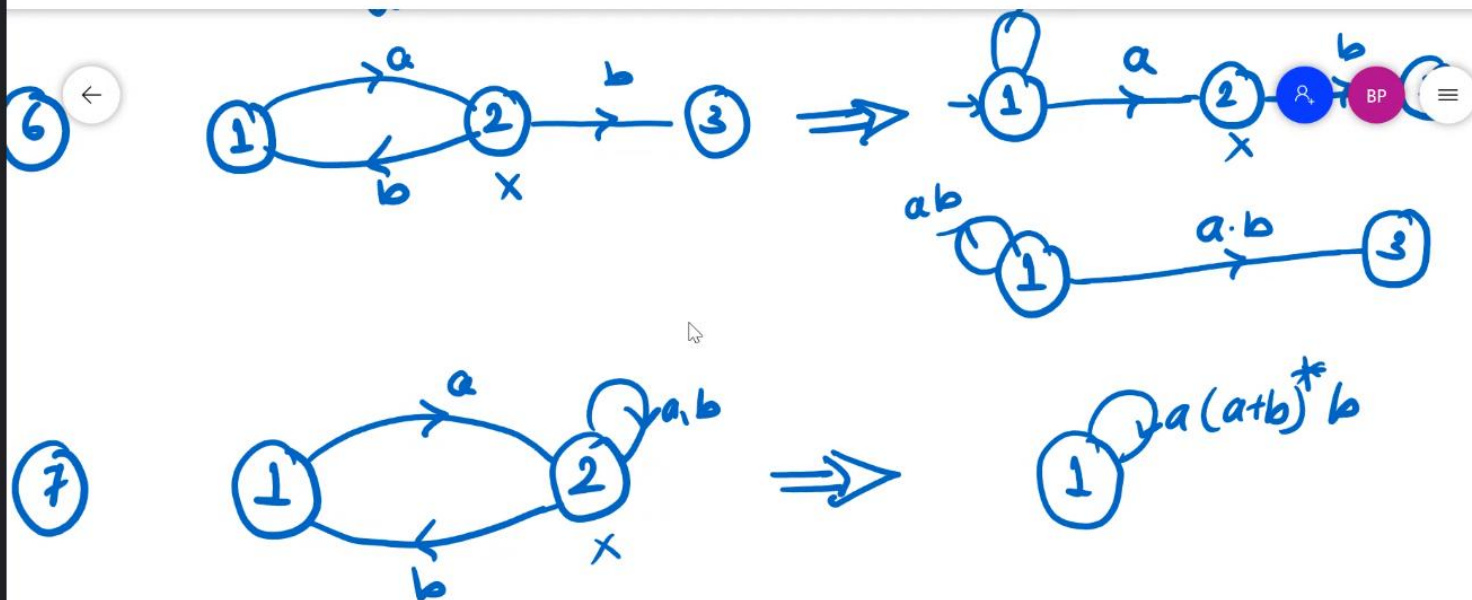
You





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8:47 AM | Div-B | CS208 | AFL Theory Class | 25.02.2022 @ 8:...



B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



B105 KANADE SHIVART...



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B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



36 others



You



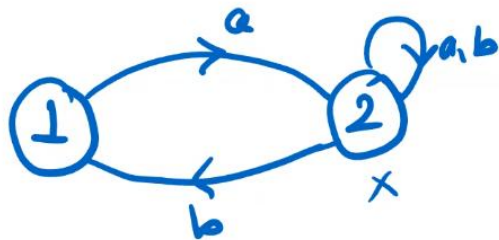


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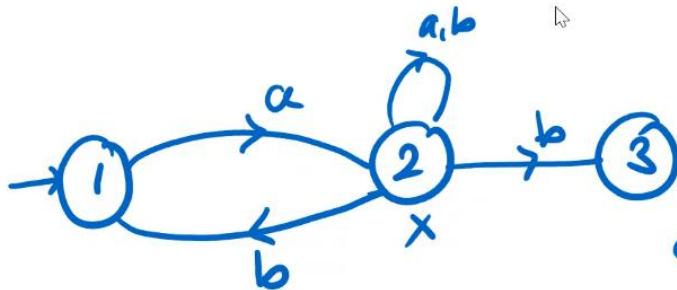
Microsoft Whiteboard



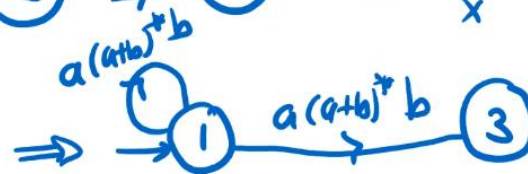
7



8



$a(atb)^*b$



8:49 AM | Div-B | CS208 | AFL Theory Class | 25.02.2022 @ 8:...



You



B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



B105 KANADE SHIVART...



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B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



36 others



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Microsoft Whiteboard

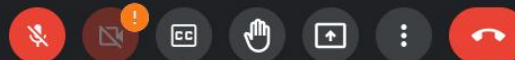
(5) Continue the process of state transition
the graph takes any one of the following



—



8:51 AM | Div-B | CS208 | AFL Theory Class | 25.02.2022 @ 8:...



B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



B080 BHIMANI RAJ



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B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



36 others



You

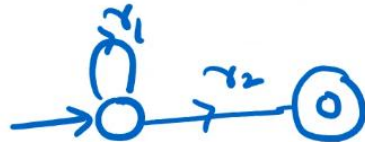


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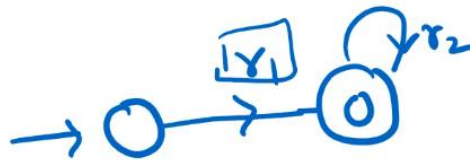
Microsoft Whiteboard



$$\therefore R.E. = x$$



$$R.E. = x_1^* x_2$$



$$R.E. = x_1 x_2^*$$



8:52 AM | Div-B | CS208 | AFL Theory Class | 25.02.2022 @ 8:...



You



B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



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B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT

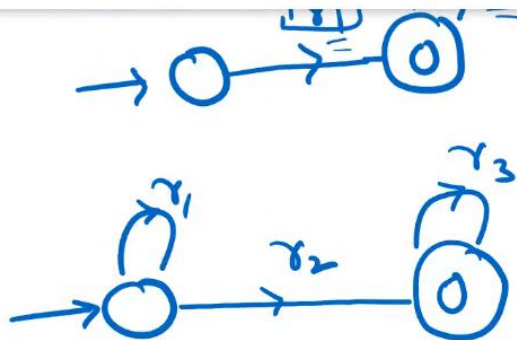


36 others



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K.E. = 1

$$R.E. = r_1^* r_2 r_3^*$$



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B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



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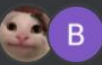
B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



36 others

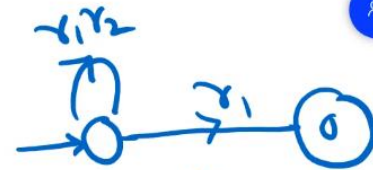
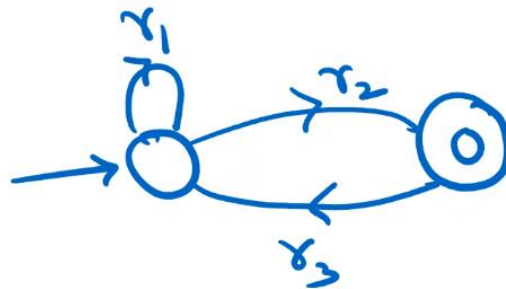
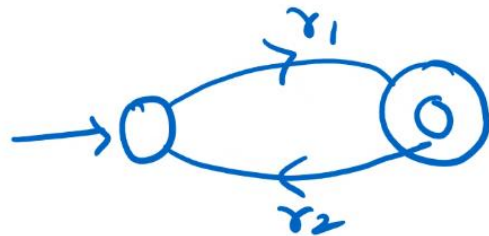


You

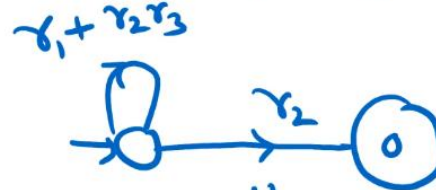


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\Downarrow
R.E. $(r_1 r_2)^* r_1$



\Downarrow
R.E. $(r_1 + r_2 r_3)^* r_2$



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B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



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B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



36 others



You



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BP



①



$$R.E. = (a+b)(a+b)^*$$



8:58 AM | Div-B | CS208 | AFL Theory Class | 25.02.2022 @ 8:...



B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



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B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



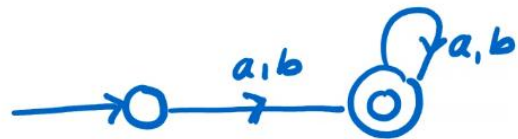
36 others



You

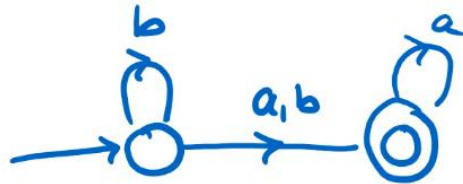
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$$R.E. = (a+b)(a+b)^*$$

②



$$R.E. = b^*(a+b)a^*$$

③



B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



Dr. Balu L. Parne SVNIT



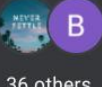
B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



36 others



You



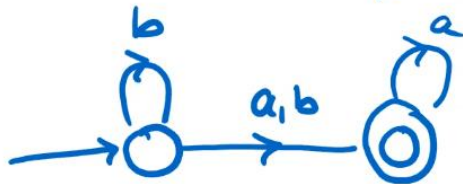
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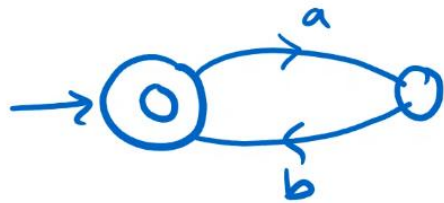
$$R.E. = (a+b)(a+b)^*$$

②



$$R.E. = b^*(a+b)a^*$$

③



$$\Rightarrow (b.a)^*b$$



B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



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B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



36 others

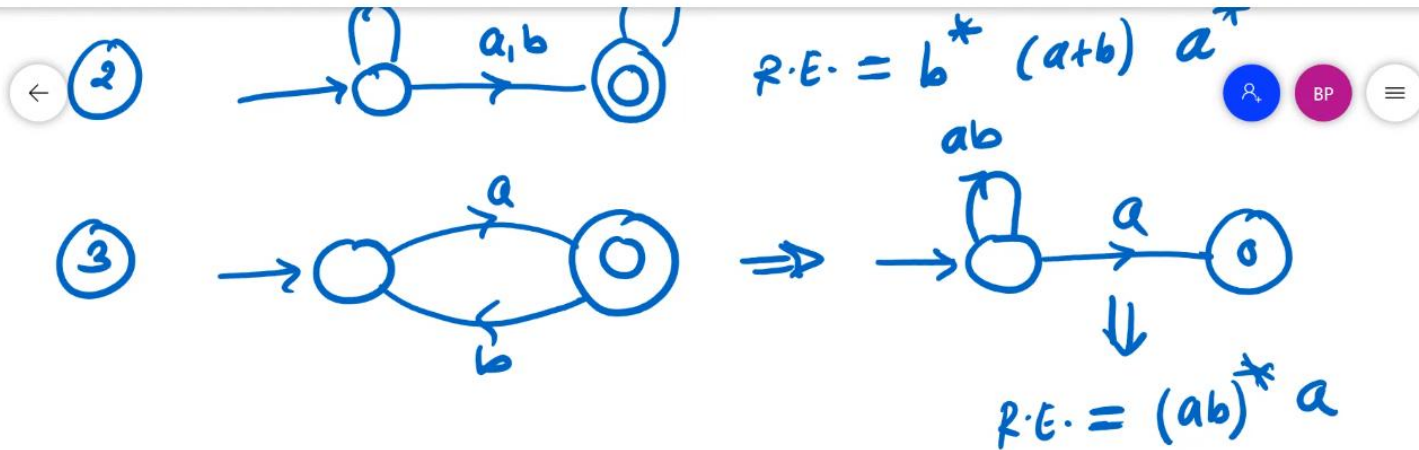


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B096 SNEHARSH BELSA...



B115 G SRI CHANDANA ...



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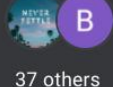
B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



37 others

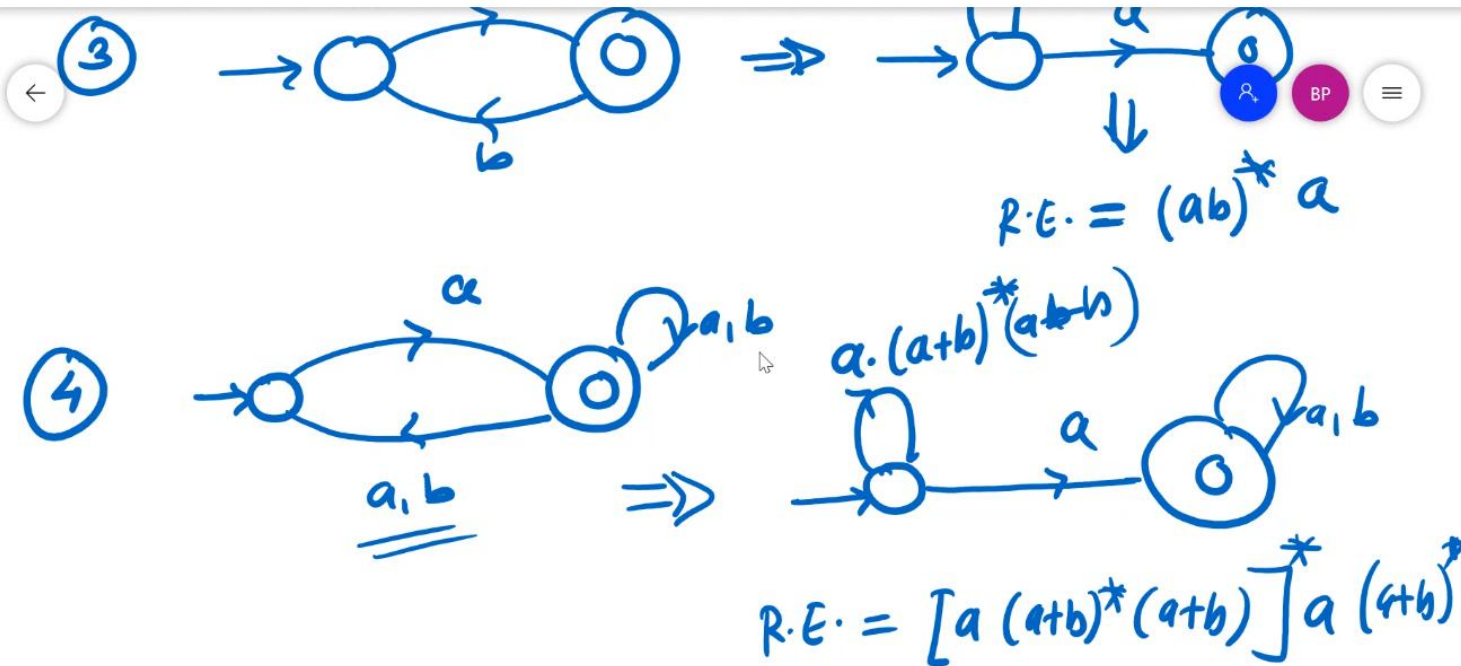


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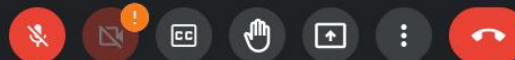


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B113 SHIVAKSH KADGE ...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



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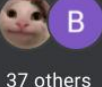
B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



37 others

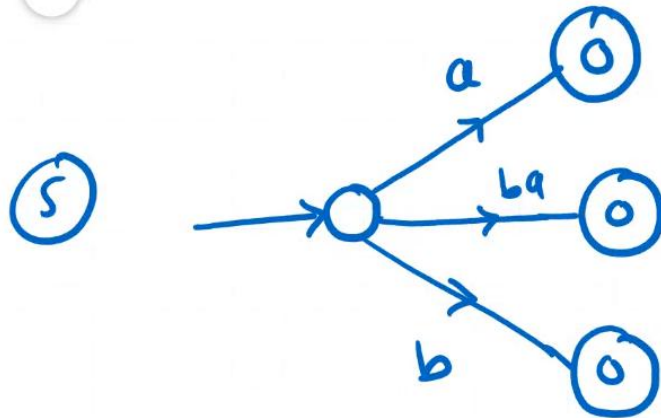


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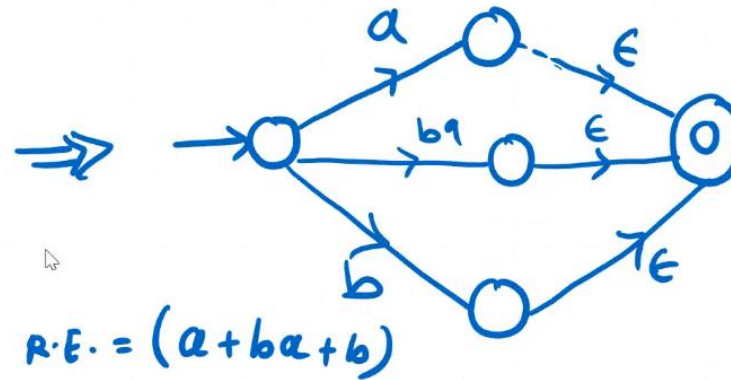


Dr. Balu L. Parne SVNIT is presenting

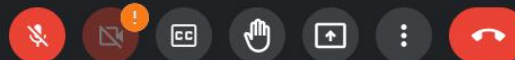
Microsoft Whiteboard



$$R.E. = [a(a+b)^*(a+b)]a(a+b)^*$$



$$R.E. = (a+ba+b)$$



B113 SHIVAKSH KADGE ...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



Dr. Balu L. Parne SVNIT



B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



38 others



You

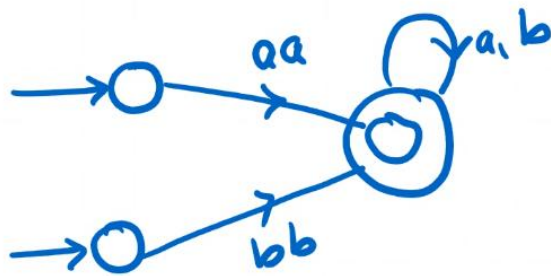


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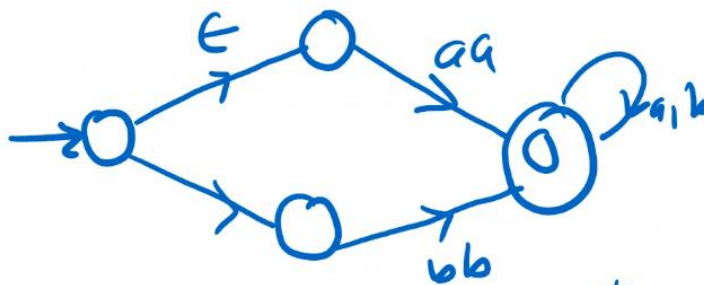
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⑥



$$R.E. = (a+ba+b)$$



$$R.E. = (a+ba)^*a$$



B113 SHIVAKSH KADGE ...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



Dr. Balu L. Parne SVNIT



B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



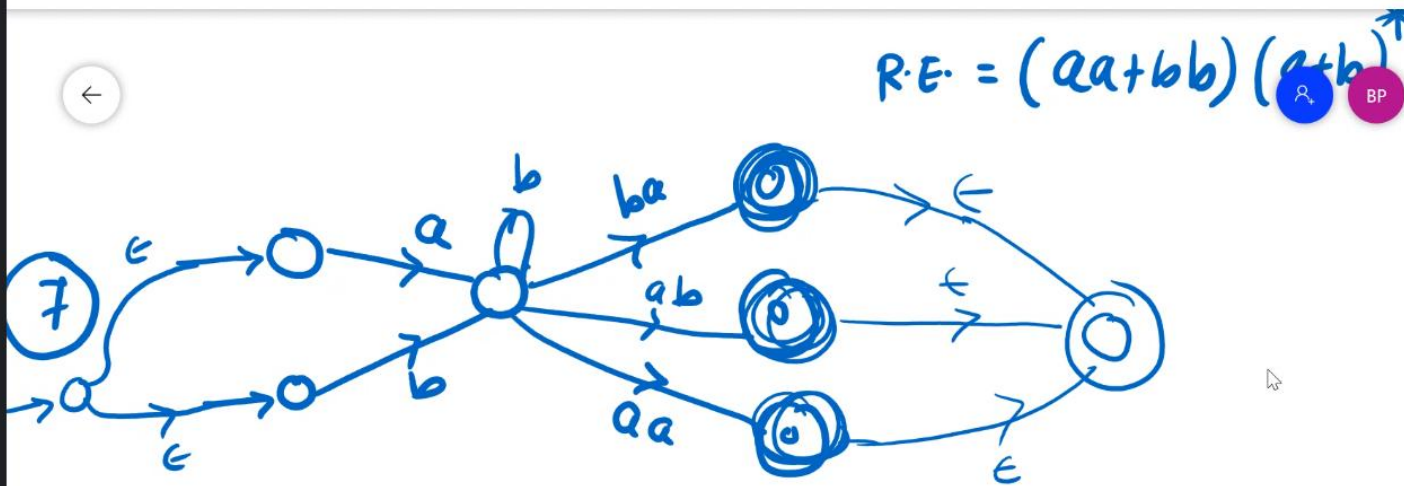
38 others



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$$R.E. = (a+ba+ab+aa)^*$$

$$R.E. = (a+b)b^*(ba+ab+aa)$$



B113 SHIVAKSH KADGE ...

B115 G SRI CHANDANA ...

B098 Neelagiri Vijay

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B084 AMANKUMAR CH...

B109 CH ADITHYA SVNIT

B119 YASH SHAH SVNIT

37 others

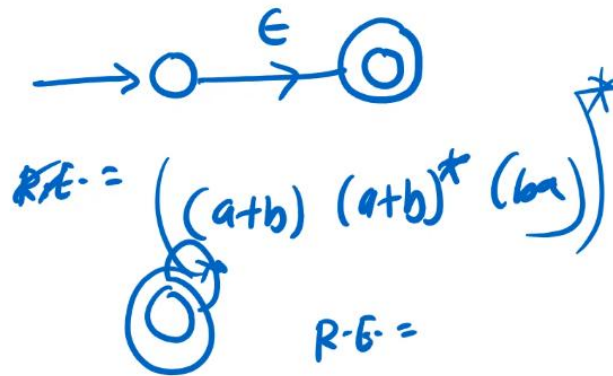
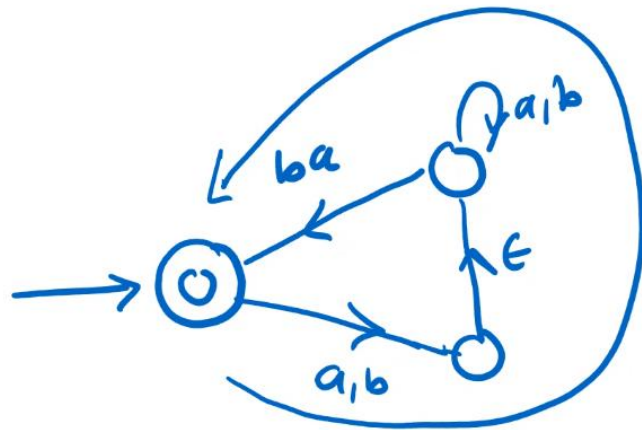
You

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$$R.E. = (a+b) b^* (ba + ab + aa)$$



$$R.E. = (a+b) (a+b)^* (ba)$$

$$R.E. =$$



B113 SHIVAKSH KADGE ...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



Dr. Balu L. Parne SVNIT



B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



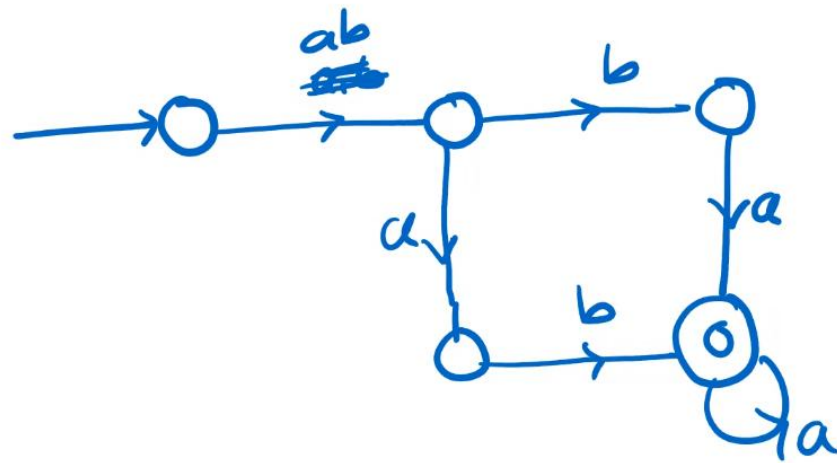
39 others



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$(ab+ba)$

$$R.E. = ab(ab+ba)^*a^*$$



B113 SHIVAKSH KADGE ...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



Dr. Balu L. Parne SVNIT



B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



39 others



You



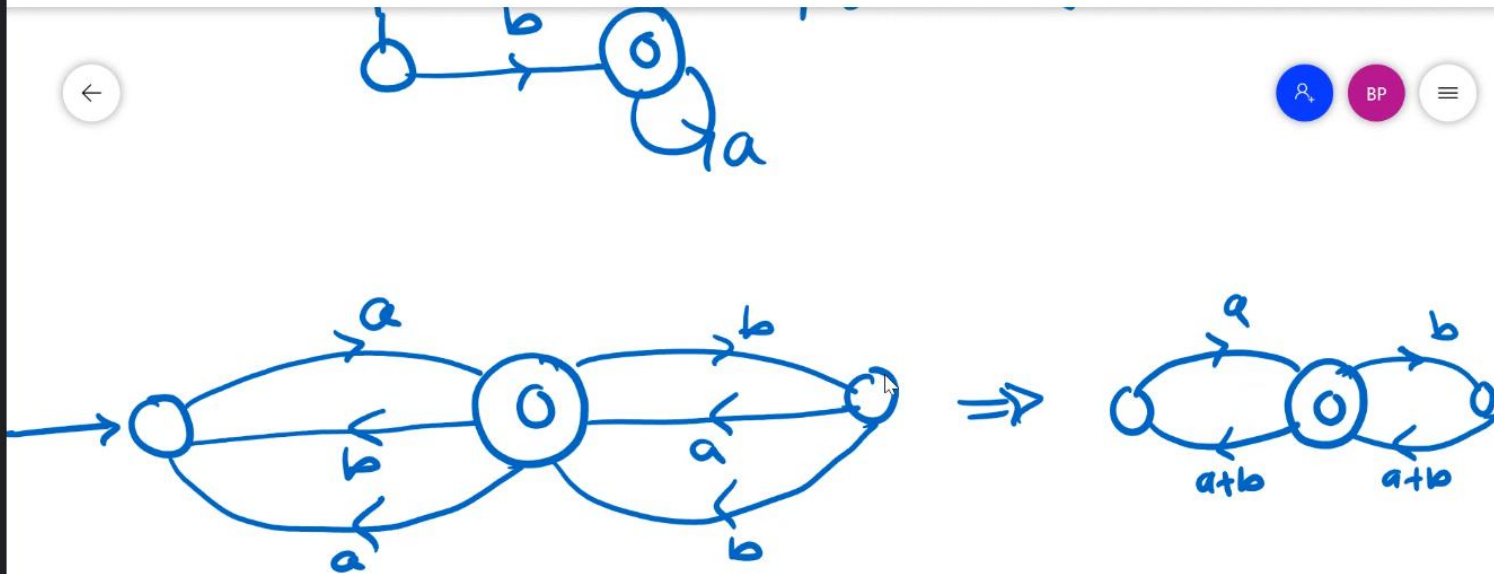
48





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B113 SHIVAKSH KADGE ...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



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B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



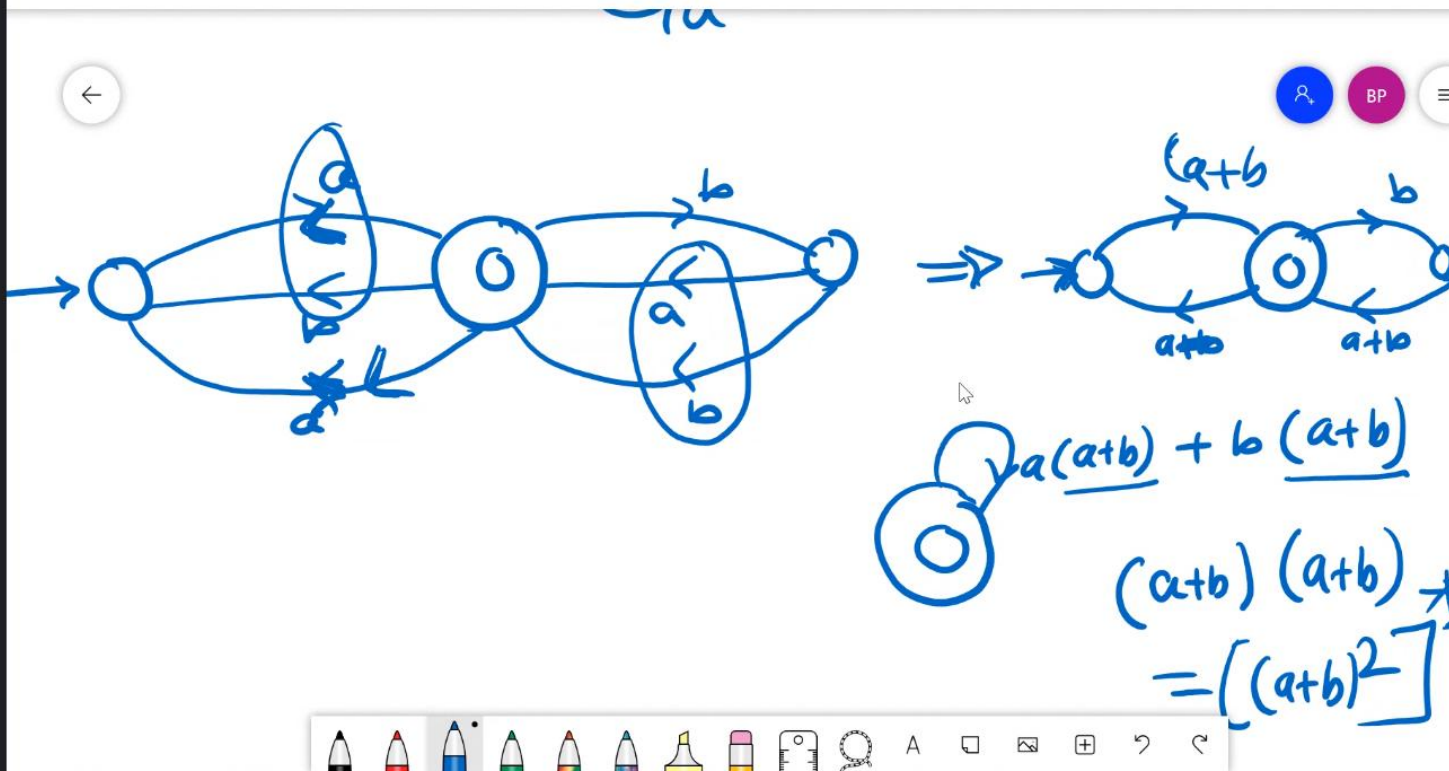
38 others



You

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B113 SHIVAKSH KADGE ...



B115 G SRI CHANDANA ...



B098 Neelagiri Vijay



Dr. Balu L. Parne SVNIT



B084 AMANKUMAR CH...



B109 CH ADITHYA SVNIT



B119 YASH SHAH SVNIT



37 others



You

