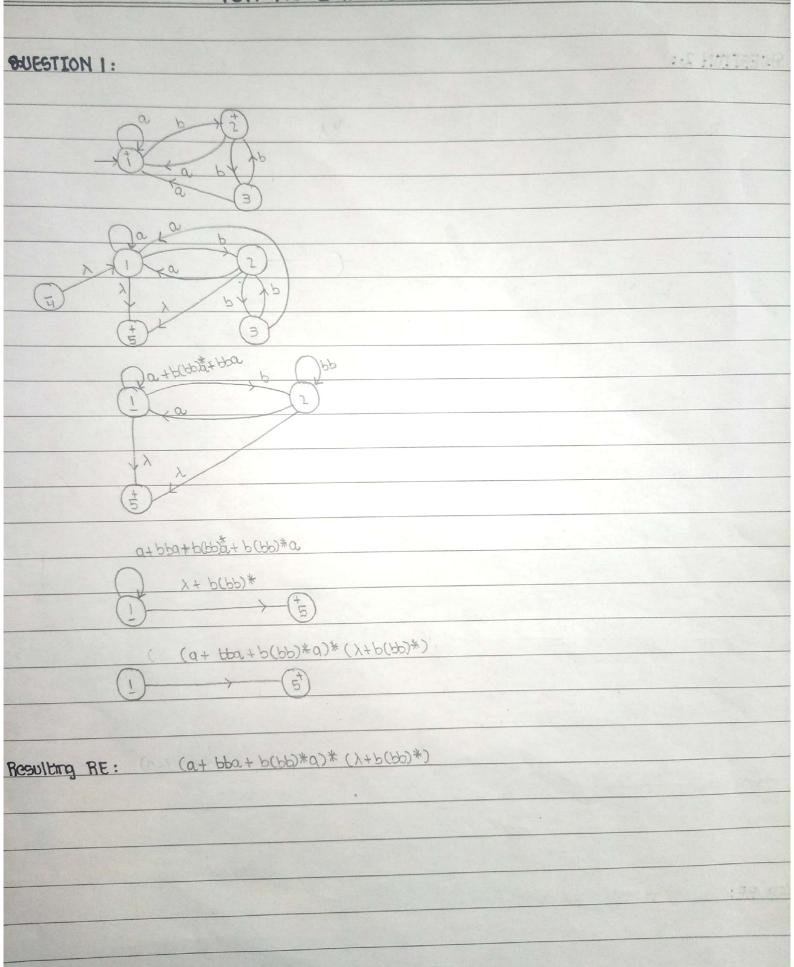
## TOA ASSIGNMENT 2

Date\_



CRE	EST	TON	2.

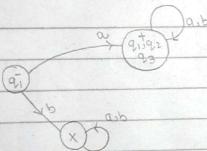
Step 1: For every state in the ENFA, determ	ine all reactable	states for every	input symbol.
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90	5(%,9)	g(&,&)	
- 91	[91,92,93]	ø	
+ 9,2	{92,93}	[91,92,93]	
9.3	र्वा, १२३	ф	

Step 1: The set of reactable states constitutes a single state in the converted DFA. Now And reactable states for each new DFA state, until no more new states could be found.

S(80,9)	E(&)P)	
{q1,q2,q3}	ф	
{q1,q2,q3}	{9,,92,93}	
d	ф	
	{q1,q2,q3}	{q1,q2,q3} \$ {q1,q2,q3} {q1,q2,q3}

Step 3: brow the regulting DFA



BUESTION 4:

Step 1: For every state in the ENFH, determine all reactable states for every input signal.

9.	5(8,9)	S(9x5)	S(0,c)	
D	{P,43	{q,7}	{p,q,v}	
a	{P,9,73	{r}	£p,q,\f	
<b>Y</b>	d	•	Φ	

Step 2: The set of reactable states constitutes a single state in the converted DFA. Now find reach-

able states for each new DFA state, until to more new states could be found.

	8(9,9)	S(8,b)	8(42,0)
<b>S</b>	[P, Y]	£4,7}	{P,9,73

UNIOUL

+ {P.73	fp.73	fair]	Sno 22	
+ {9,7}	ipa, ri	173	Span3	
+ {p,q,r}	[PAIT]		{r,p,q}	
+ {+}	Ф	[१९,७]	र्म, प्राप्त	
ø		φ	•	
4	Φ	φ	Ф	
Step 3: Dra	w the resulting	<b>*</b> CD		
2. 010	w de lesolaig	Ja		
	P. B.	1 xc C	Jarc	
(p)		, c P.g.t	<u> </u>	
	64	Kb Jan		
	LOST,		-(7 <sup>+</sup> )	
	P. C.	5	(Jaipic	
			<u> </u>	
OUESTION				
			itte all reactable states for every	imput signal·
Shop 1: For o	very step in the		irre all reactable states for every	imput signal·
Step 1: For e &	very step in the	§(&,b)	ine all madrable states for every	imput signal-
Step 1: For c	(%,q) (9,,q.)	\$(&,b) \$		imput signal·
Shep 1: For 0 90 7 90 4 91	(%,q) (9,,q) (9,,q) (9,,q)	\$(&;b) \$		imput signal·
9tep 1: For e 9 7 90 + 91 92	Nery skep in the \$(%,a) {q,,q2} {q,,q2}	\$(&,b) \$ \$ \$ \$q <sub>1</sub> ,q <sub>3</sub> }		imput signal-
Step 1: For e	Nery skep in the \$(%,9) {9,,92} {9,,92} \$ \$ \$ \$ \$	5(8,6) φ φ ξη,,η <sub>3</sub> ξ		
Step 1: For e 90 7 90 + 91 92 93 Step 2: The 9	Nery step in the S(%,a)  iq,,q23  iq,,q23  d  iq,,q23	\$(&,b)  \$\phi\$  \$\langle \text{q}  \$\langle \text{q}  \$\phi\$		rhad DFH. Now Pitt
Step 1: For e 90 7 90 4 91 92 93 Step 2: The 9	Nery step in the S(%,a)  iq,,q23  iq,,q23  d  iq,,q23	\$(&,b)  \$\phi\$  \$\langle \text{q}  \$\langle \text{q}  \$\phi\$	tes a single state in the conve	rhad DFH. Now Pitt
Step 1: For each of the step 2: The second of the step 3: The second o	very step in the S(%,a)  iq,,q23  iq,,q23  d  iq,,q23  d  iq,q23  d  iq,,q23	\$(&,b)  \$\phi\$  \$\langle q\take \take \tak	tes a single state in the conve	rhad DFH. Now Pitt
Step 1: For each of the second	Nery step in the S(%,a)  ig,, q2}  ig,, q2}  ig,, q2}  d  ig,, q2}  det or reactable stery new DFR sterns	\$(&,b)  \$\phi\$ \$\phi\$ \$\frac{1}{2}\liming \text{correction} \$\phi\$ \$\phi	tes a single state in the convertore new states could be found.	rhad DFH. Now Pitt
Step 1: For a  B  F 90  + 91  92  93  Step 2: The 9  States for a  P  191  191  191  191	very step in the 8(%,9.2)  iq,,q.2}  iq,,q.2}  d of reactable and the step the step of the	\$(&,b)  \$\phi\$  \$\langle \text{fq1,93} \\ \$\phi\$  \$\text{dec} \text{correction} \\ \$\text{s(\text{\text{6}},b)} \\ \$\phi\$  \$\langle \text{fq1,93} \\ \$\phi\$  \$\text{correction} \\ \$\langle \text{fq1,93} \\ \$\phi\$  \$\langle \text{fq1,93} \\ \$\phi\$  \$\langle \text{fq1,93} \\ \$\phi\$  \$\phi\$  \$\langle \text{fq1,93} \\ \$\phi\$  \$\p	tes a single state in the convertore new states could be found.	rhad DFH. Now Pitt
Step 1: For each of the states for each of th	(%,923)  (9,,923)  (9,,923)  (9,,923)  (9,,923)  (9,,923)  (19,,923)  (19,,923)  (19,,923)	S(8,6)  \$\phi\$  \$\phi\$  \$\frac{1}{21,93}\$  \$\phi\$  States correction  \$\phi\$	tes a single state in the convertore new states could be found.	rhad DFH. Now Pitt

