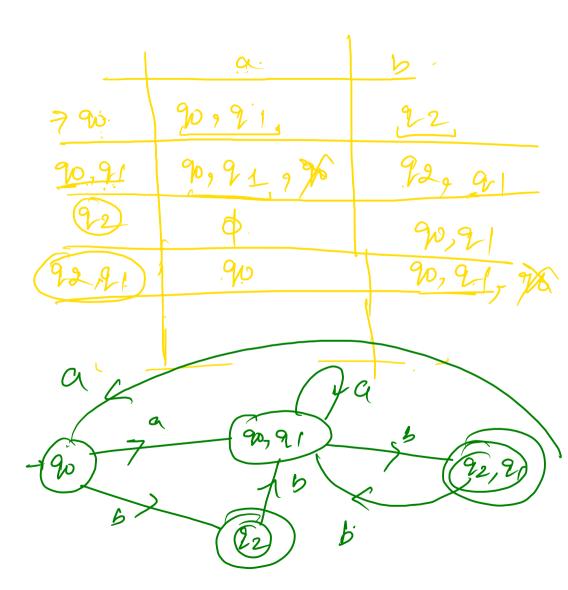
Find a deterministic acceptor equivalent to

$$M = (\{q_0, q_1, q_2\}, \{a, b\}, \delta, q_0, \{q_2\})$$

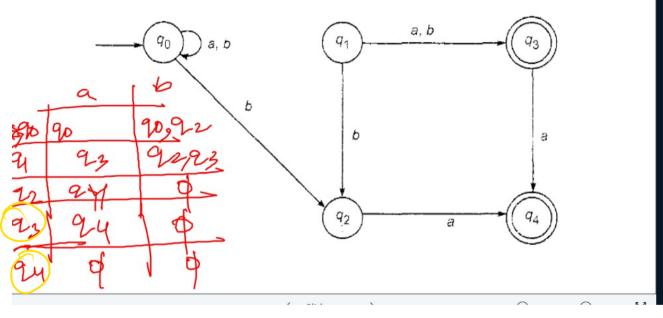
where δ is as given by Table 3.4.

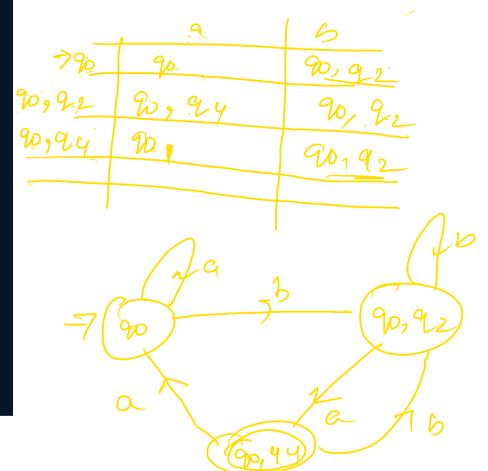
TABLE 3.4 State Table for Example 3.7

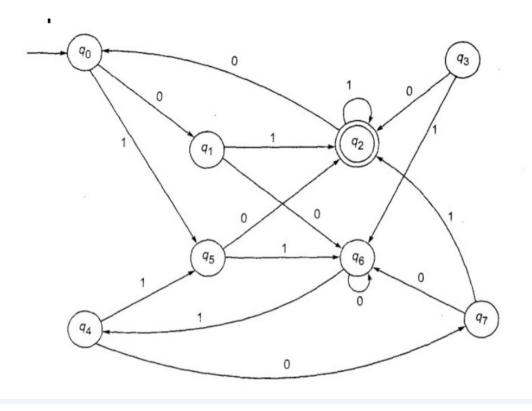
State/Σ	а	b
$\rightarrow q_0$	q_0, q_1	q_2
q_1	: , q o	q_1
(q_2)	6	q_0, q_1



Construct a DFA equivalent to the NDFA M whose transition diagram is given





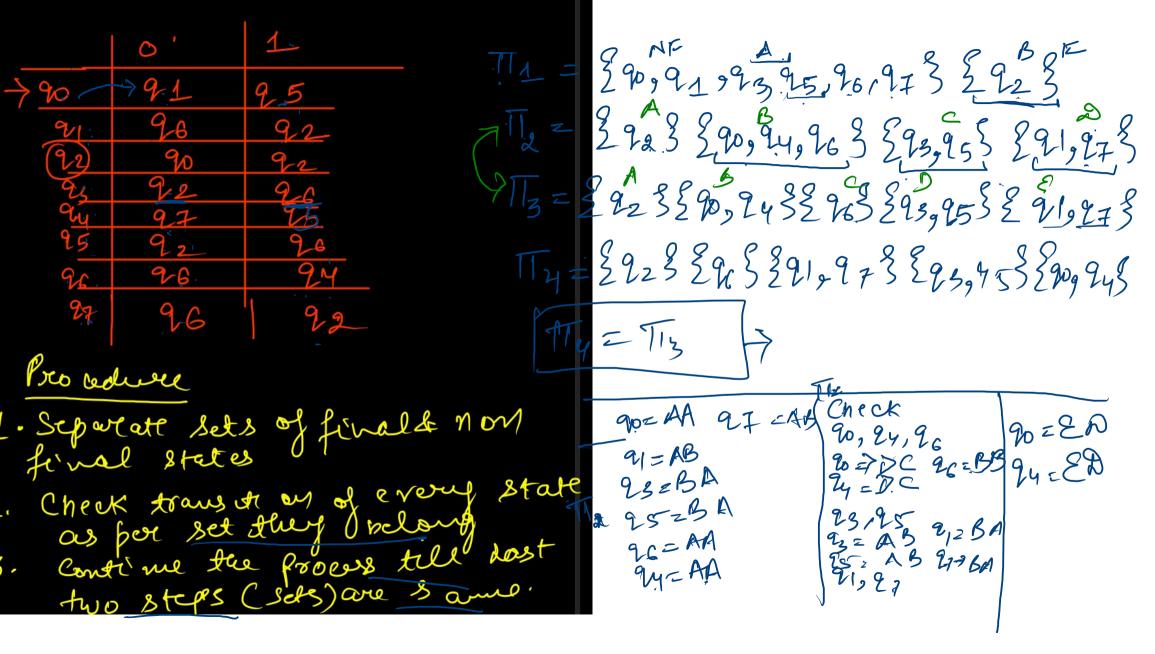


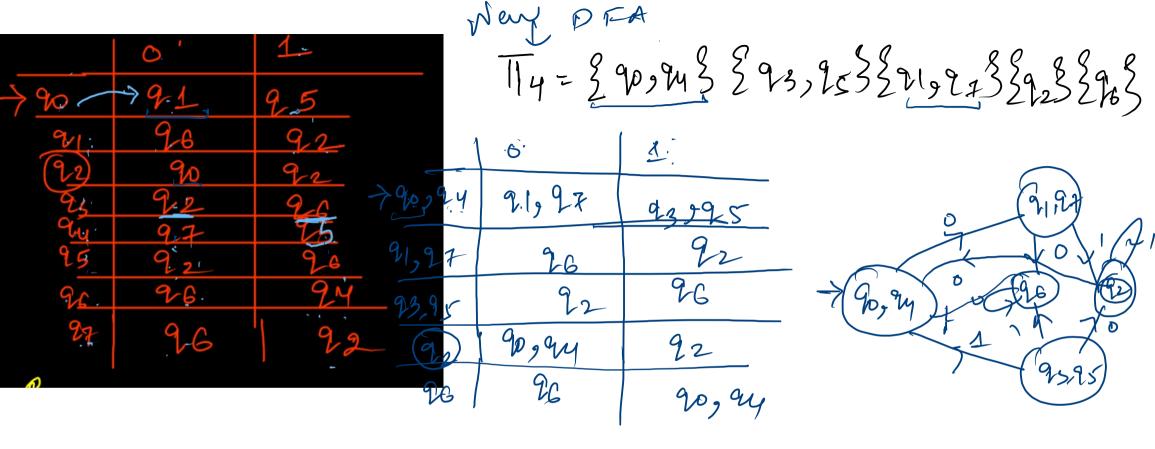
A. Final & Non Final States Court form In not 6. single State in a Set court be separated

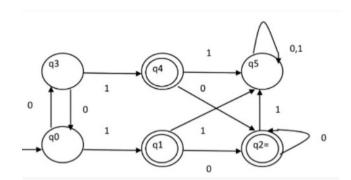
	0'	1
\rightarrow %	91	25
91	96	92
(9 <u>2)</u>	90	9-0
93	92	9 C 95
<u>u</u>	97	45
95	97 92	96
26	96	24
9 <u>6</u> 99	96	92

Pro volume

- 1. Separente sets of finals non final states
- 2. Check transition of every state as per set they belong
- 3. Continue lu process till dost two steps (sets) are 3 amo.







	0	1.	1			
7 %	43	91,	7			
(90)	92	95	_	A	7 (
(72)	22	25:		TT_= 291.	92/43	
93.	9,0	9.9		2.	10,93/15	3
(9jy).	, 92	95	T2=291	2 12 124	3. 2%, 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	35895
95	195			, 2, 243		_
	F				4446	
TT 4 =	= 27,	82, W }	290,95	3 8 95		
						<u>y</u>

