TECHNO INDIA UNIVERSITY

Name -> Rohan Ghosh

Id - 181001001122

Batch - BCS2B

Subject - Automata Theory

DE Transition function for DEA, NEA and epsilon NEA. · 7 For deterministic finite approach, (DFA) transition function: QXZ -> Q g-> finite set of state , where Z-> set of input alphabet for NFA Francision function (8): Qx (ZUE) -> 2^Q g and Z are same as before @-> null move. epsilon NFA, transition function (8): QXZ = > P(Q)

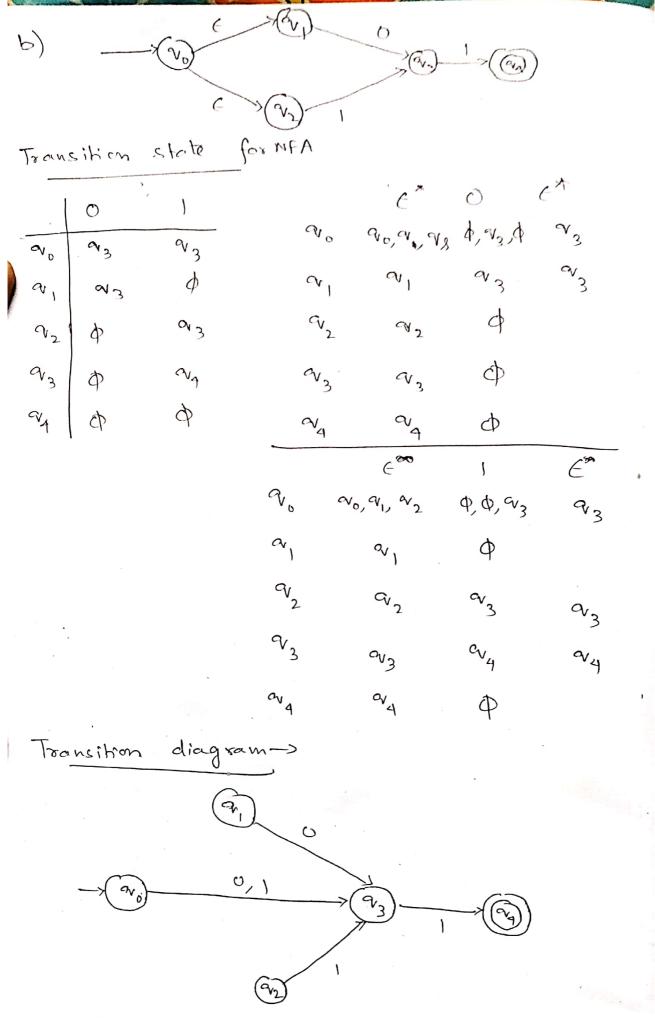
where S. E and & have representation as in case of NFA and Ie denotes (IUE)

Connest epsilon NFA to NFA. (2) 0) NFA:-Transition table

	- 100	ao	Ь	* x
	þ	{ p. a/s}	{ 9, 8}	{p. z.r}
-	OV	{p, q, s}	9n '	{evr}
	Ø	C)	7	9

d, p, d p, ev, 91 p, 8, 91 01 91 9,3, \$ p, ar, a 91 97 9 91 8 p, 9, 7 8, p, 9, \$ 9, \$ 9, \$ p-9 p,9,8,9 \$ V NFA Finally a, 5 states: p.97 Find

Scanned with CamScanner



final state: 9/4