Name: P. T. Jayonntha Rall No: 205001049 UCS1503-Theory of Computation 1) L= {alos, asha, bolo Charking 9,1 S(9,0, l)= 90 9,2 90 93 92

P.40.0505:04 Day DATE: / / Table (hecking word) Transition 9,0 89,0,9,3 9,1 9,3 9,2 9,3 S(go, le) = \$ go (q,o, l) = q0 S(90,a) = 190,91) d (890,913,h) = {90,9,2} S(90,91,93}, a) = {90,91,93} S(90,91,93}, b) = { 40,92,9} ii) baba d(q0, l) = 90 S(90,0) = \quad \q = { ba tobloa lla i) bhabab 8(9, 1-)=9, 9.0, S(9, 0) = 9, 3 S(9, 1) = 9, 3 S(9, 1) = 9, 3 S(9, 1) = 9, 3 => Unsolutied ii) baba S(q0, lr)-q1 8 (9,1,0)=93 S(9/2, l) = 9, d(q1, b)= 93

NFA: a > (9) 5 a 1- 90 \$ 8913 i) Walak $S(q_0, b) = q_1$ $S(q_0, b) = q_1$ $S(q_1, a) = q_1 q_2$ $S(q_1, q_2, b) = q_1$ $S(q_1, q_2, b) = q_1$ $S(q_1, q_2, b) = q_1$ 9, {9,93} {9,1 92 0 0 ii) bala

5(90, b) = 91

5(90, b) = 91

5(91, 923, b) = 91

5(91, 923, b) = 91

5(2913, 2) = 91 3) NFA M= {Q, 5, 6, F, 5} 20,1 Q={P,Q,P1, s} Z={0,13} F={5} DFA: H'={Q, 5, F', S'} S(p, 6) = pq S(pq, 0) = pqdp,0) = { p,9,3 S(P,1) = {P3 δ(pq3,0)= {p,q,n} δ(ξpq3,1)= {p,n} δ(ξpq,n3,0)= p,n,s δ(ξp,n3,0)= p,n,s δ(ξp,n3,0)= p,n,s δ(ξp,n3,0)= p,n,s

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pg,22,0 (ps,0) S 6 Pq PS Pq, pqn, pn =={



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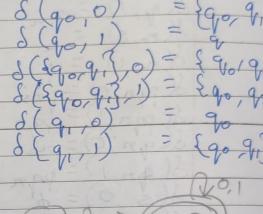
	S(p,	0) = (1	9.5	$S(p, 0) = \{q, 5\}$
	SCD	1) =		d(p,1) = q
	das	0) =	V	1(30.53 0) = 2
	Slas	1) =	D9 92	d(sc s3 1) = 5 = 3
	S(q,	0) =	71	S(p, 0) = sq. s3 $S(p, 0) = q$ $S(q, s3, 0) = n$ $S(sq. s3, 0) = sq. n3$ $S(q, 1) = sq. n3$
	S(q,	1) = a	12	S(9,1) = 82 = 3
	S(n)	6) =	S	$S(q_1) = q_1$ $S(q_1) = q_1$ $S(q_1) = q_2$
3	S(n,	1) =	Þ	S(2,1) = P
3	S(pg)	n, o) = 9	,913	S(2,1) = P S(2,9,2) = 19,253
	SC pg:	n 1) =	109,92	S({p,q,n3,1) = {p,q,n3
	8(9,9	1,0)=	gres	S(\(\xi_1, \pi_3\) = \(\xi_1, \pi_3\)
	8(0)	1)=	P.9.91	$S(\{p,q,n\},1) = \{p,q,n\}$ $S(\{q,n\},0) = \{p,q,n\}$ $S(\{q,n\},1) = \{p,q,n\}$
	d(s	(0)=	· f	8(2,0) =
	8(5	1) =	P	S(s,1) = p
	dans	0/=	re	S(s,1) = p S(sq,n,s,0) = sq,s,0
	Slagers) = F	g,n	S(5q,753,1) = 5pq,73
	0(200	1) = F	S	d({2,5(0) = 5
	ders	() =	P	d(27, 5), 1) = p
		-		
_	5	9,2	1	- B 9 9 9 9 9
-	P	9,2	9	→ (P) (9) ° (P)
5	95	7	Par	1
-	q	71	9,91	(Pan)
	2	2	P	THE GREET STATES
	Pan	gre	Paga	110/
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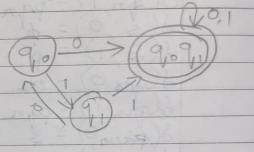


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$$S(q_0, 0) = q_0 q_1$$

 $S(q_0, 1) = q_1$
 $S(q_0, 1) = q_0 q_1$





$$\frac{\mathcal{E} - NFH}{\mathcal{P}} = \frac{\mathcal{E} - closus}{\mathcal{E} - closus} = \frac{\mathcal{E} - closus}$$

F=FUfp3 = {p, 93

$$\frac{\delta(p, \xi)}{\delta(p, a)} = \frac{\xi}{\xi} - \frac{1}{\xi} - \frac$$



DATE: / / losure (8(8(9, E), L) = 59, 23 .a) = 5 - dosuro (8(8 $S(2,5) = \emptyset$ $S(3,c) = \{3\}$ S(1,c)={3}

