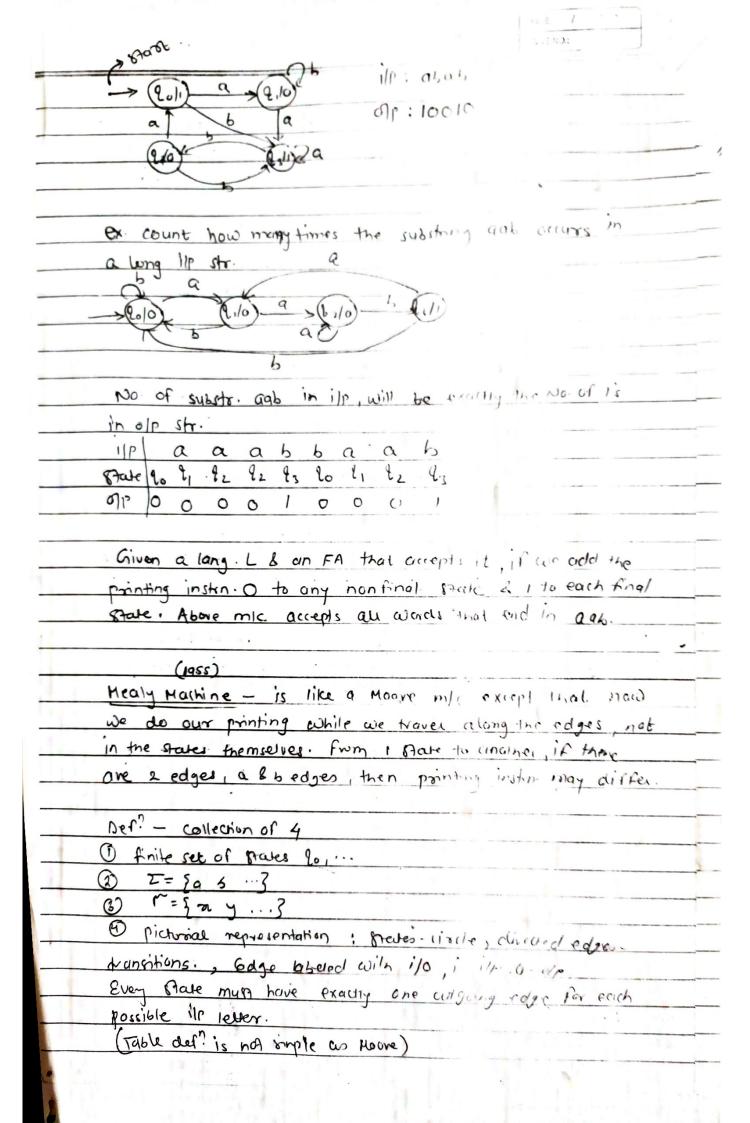
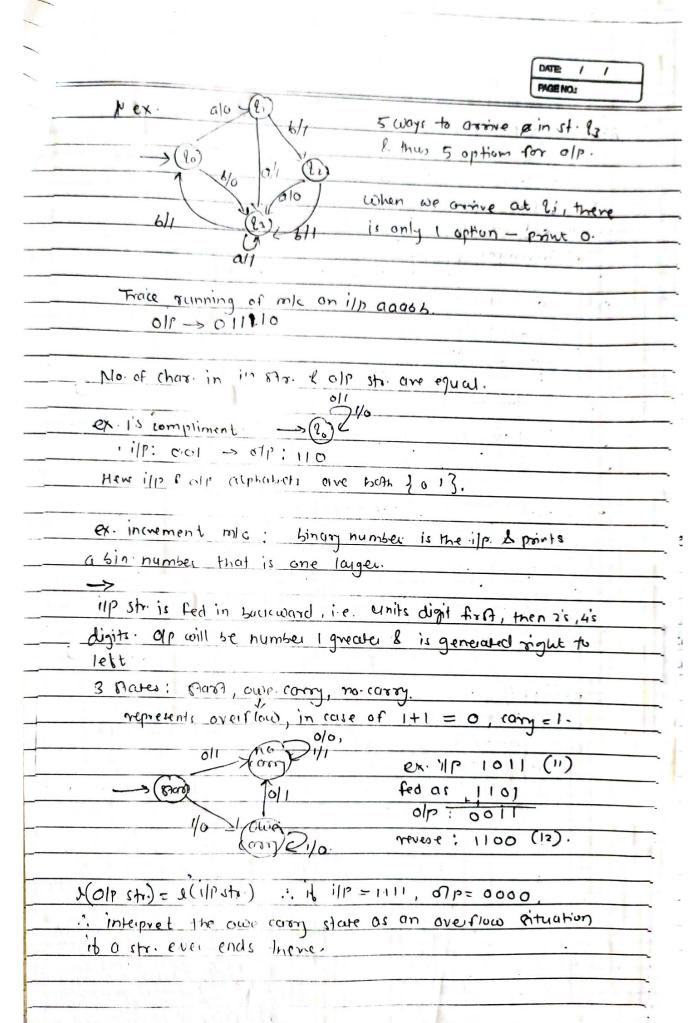
	Ch. 8. Finite Automate with auton PAGENO:
	Ch. K. Finite Automata with output PAGENO:
	Moore Muchines (1956) Pumose is to design a
	anunemarial model for sequential direction as one
	compensation of a cohole computer
	- Del
	Macre mic is a collection of 5 things:
	1) A finite state of states 80, 8, , 20- start st.
	@ Alphabet of letters for farming ilp str.
	Z 20 6 C . 3. (Jewen)
	3 Alphabet of possible of char.
	[= {70 y z }. (char.).
	4) A transition table that shows for each state (
	each till letter wheel Bute is reached next.
	@ An oll table that shows what char from T is
	printed by each state as it is entered.
	The car is primited.
	Means are always losing by a like to
	Means mic always begins by printing the char. dictored by the mandatory stand state. It is has I letters, olp will have 8
	shared stars stare. It ill, was + letters, old will have 8
	char, because it includes 8 states in its path.
	Mine In
<u> </u>	over possible ill ste cheater an all ste. R. there is no well
	every possible ilp sto creates an olp sto. e there is no such
	thing as a final strue.
	Circle depicting the strutes contains 2 symbols separated by /
	fest one is name of store & sight is old from that state.
	ex. i/p : z = {a b}
	olr: [= } 0 13.
	Names of states: {0, 2,12, 83
	,
	Transition table
	Old state oli, pil Nem 12.
1 1	
	-20 1 Presile After ilp b
	e <sub>1</sub> 0
	43 92
	The state of the s

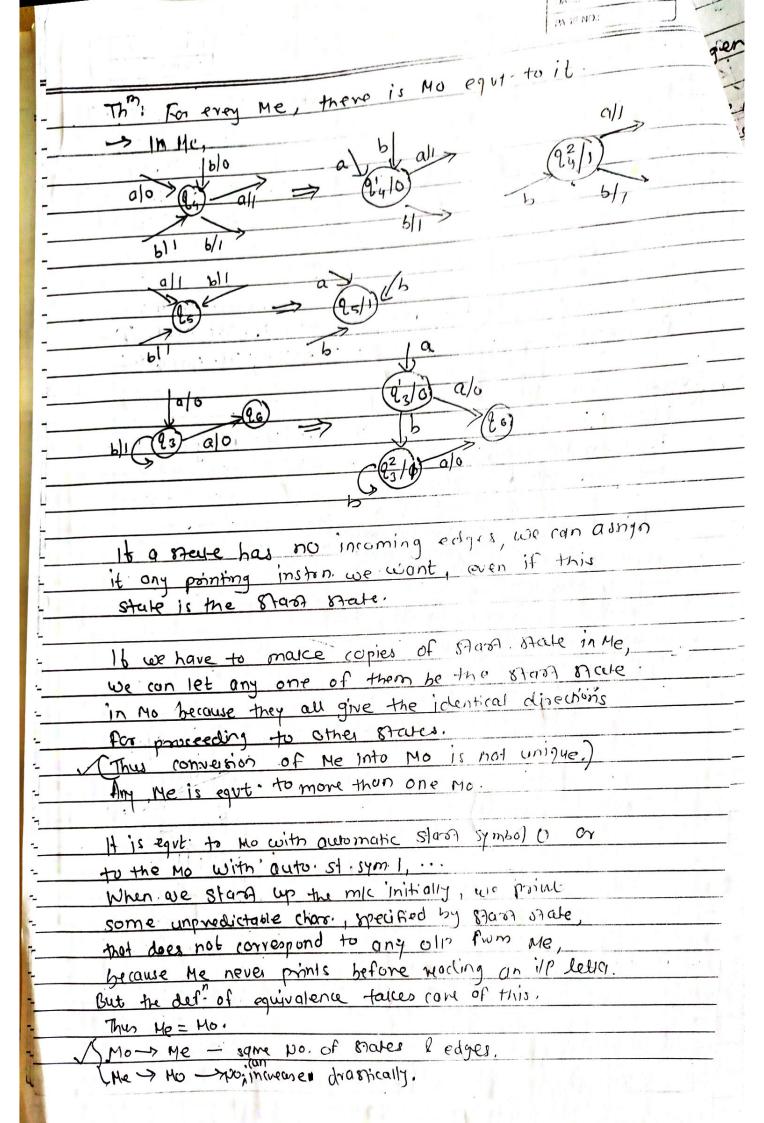


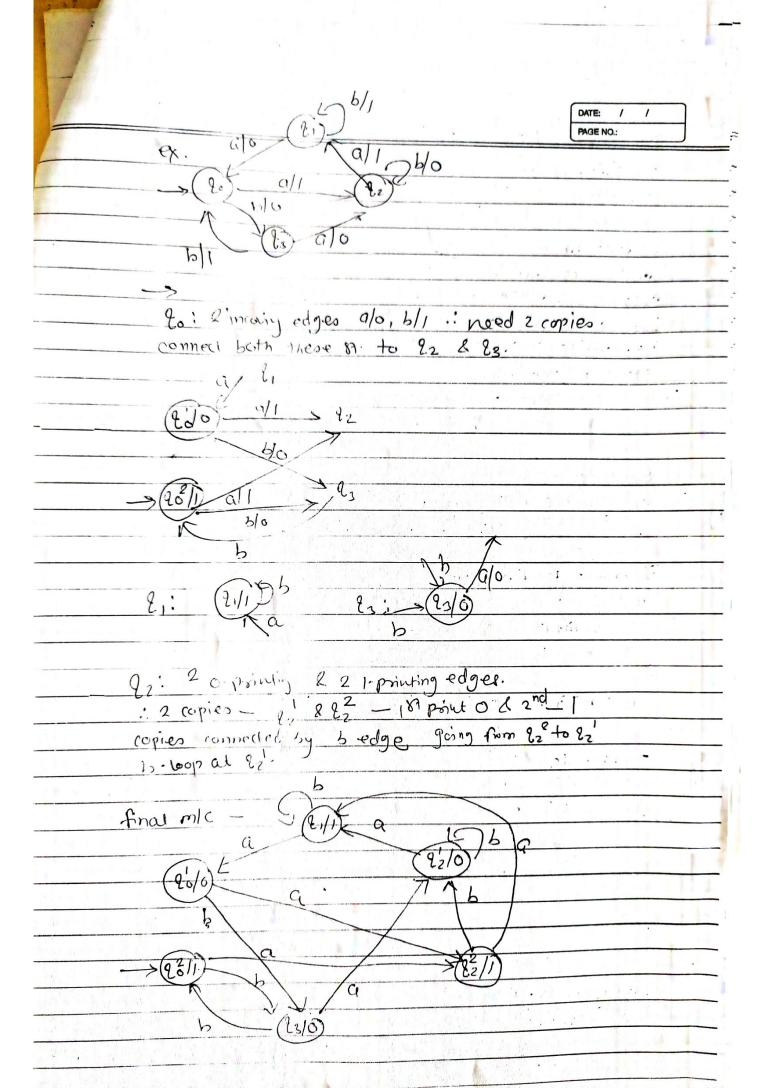


	are in the largest		-
DAL :	1	1	
		COMPANY OF THE PARKS	19-10
MILLE	).:		
		_	=

Above 2 mis are valuable in computing.  Incrementer — addition,
and hearthon.
ex. It a ! b are binon then a-b =.  O add is comple of b to a, ignore ciny or exflow.  Object.
(1) add 12 comple. of
· increment results by 1.
ex. 14-5 = 1110 - 0101
= 1110+1010 + J
= [1]1001 = 9
18-7= 10010 - 00111
= 10010+ 11000+1
= [1] 01011 = 11
in decimal, use q's complement
replace each digit vin 2nd No. by (9-11).
ex. 46-17 - 46+82)-1-1.1329-1.9
19-1713-73
ex. Healy mic does not accept or reject an ill sto., it
an recognize a lung: by making its of str. answer
some questions about the ill.
ex. lang. has double letters.
(Soll ill abaldad

Equivalence 2 moore mic are equal (or 2' mealy)
if they give some off if presonted with some ilp.
But a Agoone mic can never be directly equit to a
mealy mic because of difference in oth strile ngts.
", we ignore the off of the automatic (Acro) stat symbo)
for moone m/c.
Dest Given healy mic me & moore Mo, which prints
Automatic Start state char. of Me & MO UVE ELLE
for every ist str., of from Mois exactly on concaring.
z ted with olp Rom Me.
The It Hois a Moore mic, then there is a wealy mic that
is equito it
-> in Mo,
for state li, where old char is t.
relabel incoming edges, and to to it
ex.
ex (quit) becomes bit (24)
clt/
ouiging edges will get relabeled when we consider
onche to which they lead.
Reprost above la all Moves, l'ave get egut. Me
(1) (2) (a)
er. a 200 a
(2016) (6) (63) (63) (63) (63) (63) (63) (63
>(20/0) b (43/1)
66 (2) 611
(92/0) alo
Va





La mariana
ex. L= (0+1)*(00+11) - 1081 2 symbols and same.
This lang. is occepted by no DFA with Peace I han 5 States.
luc de Care a como la llectiva mic
Some of the programmed by M.M. (College)
to the sequence of accepting & nonaccepting states
To the sequence of act of the
however m.m. does not make an olp point to any
ilp, while DFA rejects the string &, as its initial
Shale is nonfinal.
mic is drown or previous pages:
Examples -
Dest Moore (Q, E, A, S, 2, 20)
Dest Moore (Q, E, A, S, 2, 20)  olp alphabet m( 1°: 1: 0 > 1)
1) mod 3 for binary No.
Remainder Values! ()
add 6140: U
<u> </u>
m/c f 2: 0 90 91 12
Δ 0 1 2
moore mic:
20 20 21
9. 92 90 (20): (2)
92 91 82 01 100 2
$c_{N}$ $c_{N}$ $c_{N}$ $c_{N}$ $c_{N}$ $c_{N}$
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
Mealy: A: ax E >> A
- and end with double detters ?= 20,13.
ex. lang words on por c/y
01070 90
1/n Pi2/4
The state of the s

