200		
2600	1	100
111 103	Tutole	091
	The second second	Sec.

0)	Minimise	the	following	DF4	ledi ng	table	filling	alemita.
100	W						0 0	- Journal

8	0	11	
→ A	8	E	
В	C	F	
* *	D	H	
0	E	н	
€	F	I	
* F	G H	В	
a	H	В	
K	I	C	
× 2	10	6	

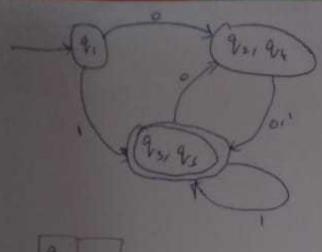
*	I	~	X		×.		^	×	x
	G H	×	×	×	×	×	×	×	7
*	F	X	×		×	×		7	
	E	×		X	X				
	0	1 1	×	×					
*	c	×	×						
	B	×							

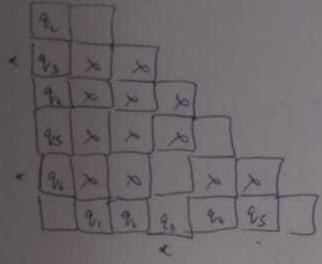
8	10	1			
(1/6)	(3/6)	(E/F)		1	
(A) D)	(B, E)	(E, H)	(0,E)	(8,4)	(m x)
(AJE)	(B) (	(t/I)	(9, a)	(8,4)	(H, B)
(A (h)	(B, H)	(E, B)	( ofter	( = / = )	( M/c)
(A)A)	(8/2)	(6/c)	(Eyla)	( Eyle)	(2/8)
(3/6)	(4/8)	( Fyfe)	(E,n)	(F, 1)	(1,0)
(3,€)	(C/F)	( 412)	(apr)	(14/1)	( B/c)
(b/a)	(c/n)	( 9/. 3)			
(8,14)	(CA)	(F14)			

$$A \equiv D$$
 &  $D \equiv G$  &  $A \equiv G$ 

BEE E E = H & B = H

18	0	
(Ap, a)	(3, 8, 4)	(B, E, H)
(B, E/H)	(4, F, Z)	(c, 5, H)
(c, f, I)	( P10, ca)	(E,8,11)





Now 8, 2 % & (NF, F)
82 = 9, 83 (NF, F)

Now Transition table is:

81	0	1	
(9,0,)	(81.182)	(92 94)	
(8,90	(9,90	(94 25)	7
(8x14s)	(qu)	(2m 2s)	

Tutowal

ifor the DFA to. 4.2. 8. 2, 20 911 83 h 9/4 92 Try 92 24 21 25 24 e h 25 94

Repeal energie 4.4.1

Smularly (9,9) (9,0)

(9,9) the order paus

(hould not be curred.

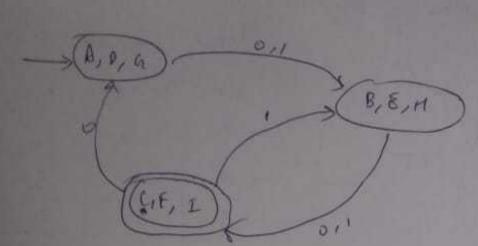
And (9,9) (9,9) (9,9)

(9,9) should

be curred.

(92,965) was already enoughly hause (94,95) should also the curred.

Because (29,93) in waged or minumes the green DFA



By Consider the DFA - given by the transition table 0 -> 91 92 23 293 21 9, 93 9/5 ~ 93 « Vs 24 9/3 ne 293 9/5 94 25 R V3 x 95 9r 22

1	9,	×			
× .	9,	X	×	1	
	94	×		×	
×	95	×	۵,		$\times$
		24	22	29	24
				×	

w		0	1	
	A- 21	9,	23	(NE, F)
	892	93	95	(F/F/

Similarly (91/42), (91/44) will also get cancelled.

Now (9,94) a (9, 94) are equivalent

Reduced state troughton deagean :-

No