

2)

P	O	I
A	B	G
B	E	F
K	D	H
D	E	H
G	F	I
*F	G	B
G	H	B
H	I	C
*I	A	E

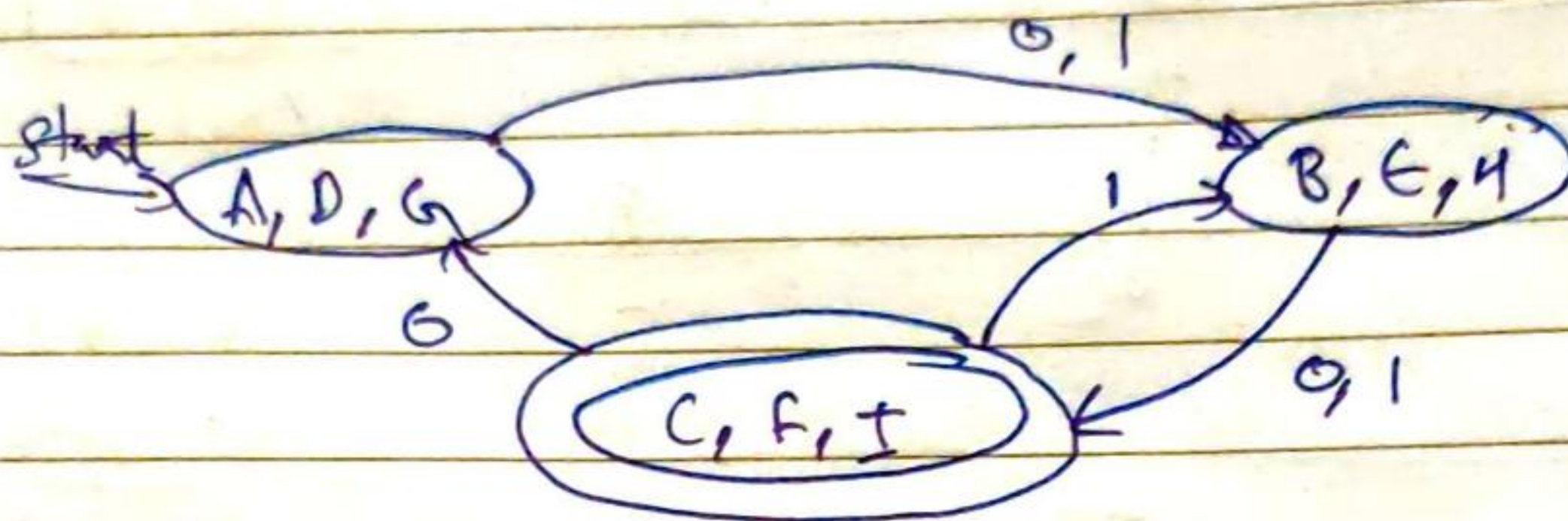
B	X								
*C	X	X							
D		X	X						
E	X		X	X					
*F	X	X	X	X	X				
G		X	X		X	X			
H	X		X	X		X	X		
*I	X	X	X	X	X	X	X	X	
	A	B	C	D	E	F	G	H	
			*			*			

		0	1	
X	A	B	E	(NF, NF)
	<u>B</u>	<u>C*</u>	<u>F*</u>	<u>(F, F)</u>
✓	A	B	E	(NF, NF)
	<u>D</u>	<u>H</u>	<u>B</u>	<u>(NF, NF)</u>
X	A	B	E	(NF, NF)
	<u>E</u>	<u>*F</u>	<u>*I</u>	<u>(F, F)</u>
✓	A	B	E	(NF, NF)
	<u>G</u>	<u>H</u>	<u>B</u>	<u>(NF, NF)</u>
X	B	*C	*F	(F, F)
	<u>D</u>	<u>E</u>	<u>H</u>	<u>(NF, NF)</u>
✓	B	*C	*F	(F, F)
	<u>BE</u>	<u>*F</u>	<u>*I</u>	<u>(F, NF)</u>
X	B	*C	*F	(F, F)
	<u>G</u>	<u>H</u>	<u>B</u>	<u>(NF, NF)</u>
✓	B	*C	*F	(F, F)
	<u>H</u>	<u>*I</u>	<u>*C</u>	<u>(E, F)</u>
X		D	H	(NF, NF)
✓	F	G	B	(NF, NF)
✓	C	D	H	(NF) (NF)
	<u>I</u>	<u>A</u>	<u>E</u>	<u>(NF) (NF)</u>
X	D	E	H	(NF, NF)
	<u>E</u>	<u>*F</u>	<u>*I</u>	<u>(F, F)</u>
✓	D	E	H	(NF, NF)
	<u>G</u>	<u>H</u>	<u>B</u>	<u>(NF, NF)</u>
X	D	E	H	(NF, NF)
	<u>H</u>	<u>*I</u>	<u>*C</u>	<u>(F, F)</u>
X	E	*F	*I	(F, F)
	<u>G</u>	<u>H</u>	<u>B</u>	<u>(NF, NF)</u>
✓	E	*F	*I	(F, F)
	<u>H</u>	<u>*I</u>	<u>B*</u>	<u>(F, F)</u>
✓	F	G	B	(NF, NF)
	<u>I</u>	<u>A</u>	<u>E</u>	<u>(NF, NF)</u>
X	G	H	B	(NF, NF)
			<u>*C</u>	<u>(F, F)</u>

Remaining Pairs

(A, D) (A, G) (B, E) (B, H) (C, F) (C, I) (D, G)
 (E, A) (I, F)

→ (A, D, G) (B, E, H) (C, F, I)



2)

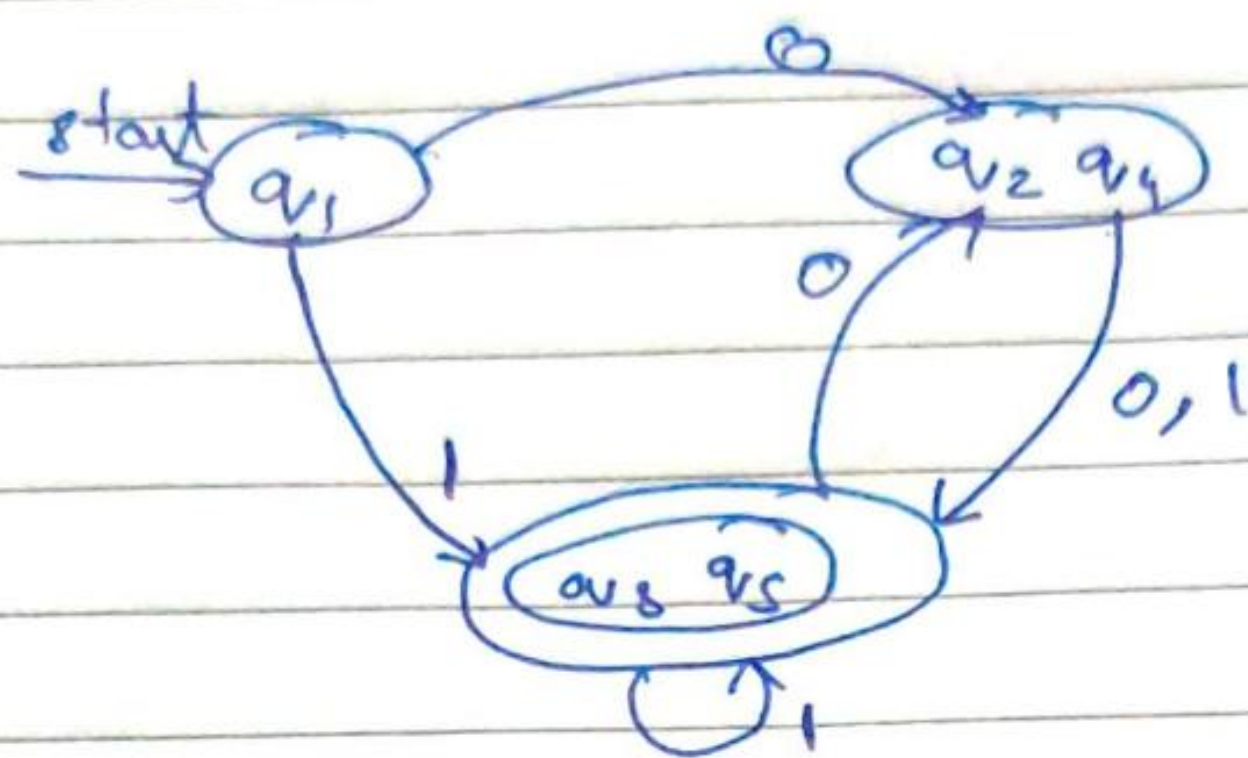
P	0	1
→ q ₁	q ₂	*q ₃
q ₂	*q ₃	*q ₅
*q ₃	q ₄	*q ₅
q ₄	*q ₃	*q ₅
*q ₅	q ₂	*q ₅

q ₂	x			
*q ₃	x	x		
q ₄	x		x	
*q ₅	x	x		x
	q ₁	q ₂	*q ₃	q ₄

x	q ₁	q ₂	*q ₃
	q ₂	*q ₃	*q ₅
x	q ₁	q ₂	*q ₃
	q ₄	*q ₃	*q ₅
✓	q ₂	*q ₃	*q ₅
	q ₄	*q ₃	*q ₅

✓ * q_3 + q_5	q_4 q_2	* q_5 * q_5
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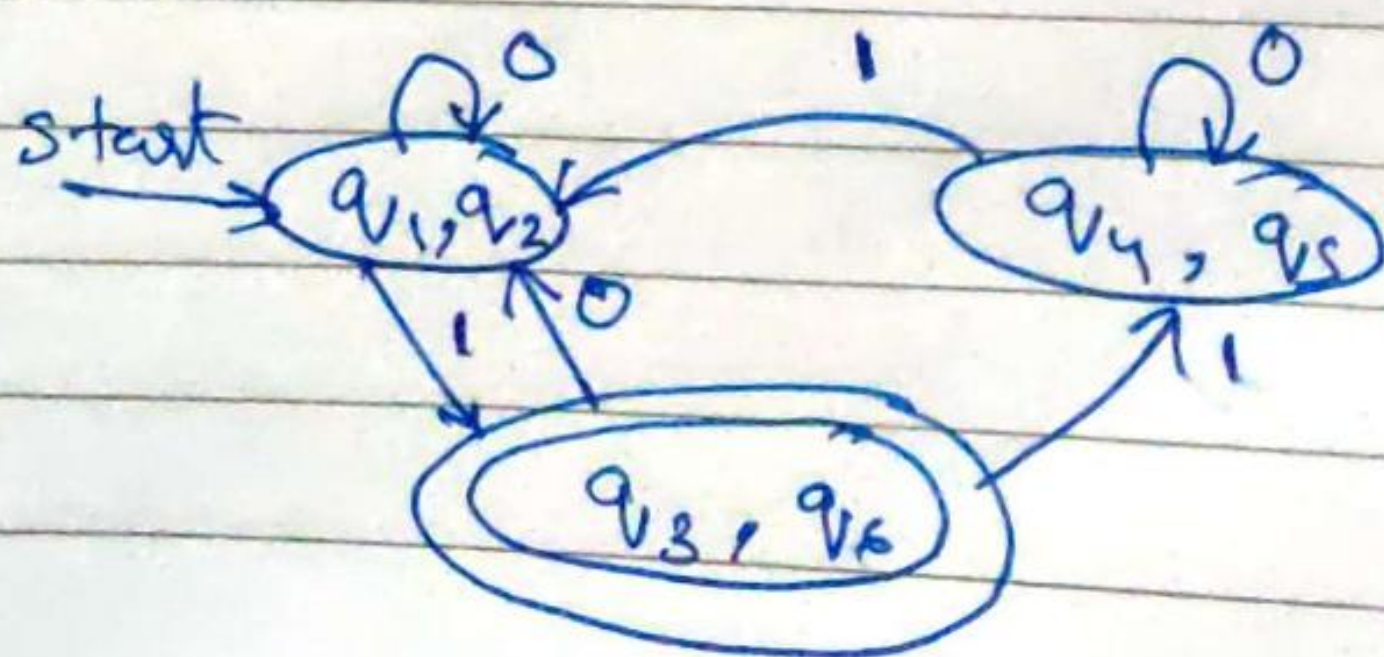
Remaining pairs (q_2, q_4) (q_3, q_5)



3)

δ	0	1
$\rightarrow q_1$	q_2	* q_6
q_2	q_1	* q_3
* q_3	q_2	q_4
q_4	q_4	q_2
q_5	q_4	q_5
* q_6	q_5	q_4

q_2					
* q_3	X	X			
q_4			X		
q_5			X		
* q_6	X	X		X	X
	q_1	q_2	q_3	q_4	q_5



	0	1
✓ q_1	q_2	* q_6
q_2	q_1	* q_3
* q_3	q_2	q_4
q_4	q_4	q_2
* q_5	q_4	q_5
q_6	q_5	q_4
✓ q_7	q_2	q_4
q_8	q_5	q_4
✓ q_9	q_4	q_2
q_{10}	q_5	q_4

Remaining pairs (q_1, q_2) (q_3, q_6) (q_4, q_5)