

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	<del>X</del>								
*C	X	X							
D		<del>X</del>	X						
E	<del>X</del>		X	X					
*F	X	X	<del>X</del>	X	X				
G		X	X		X	X			
H	X		X	X		X	X		
*I	X	X	<del>X</del>	X	X	<del>X</del>	X	X	
	A	B	C	D	E	F	G	H	
			*			*			



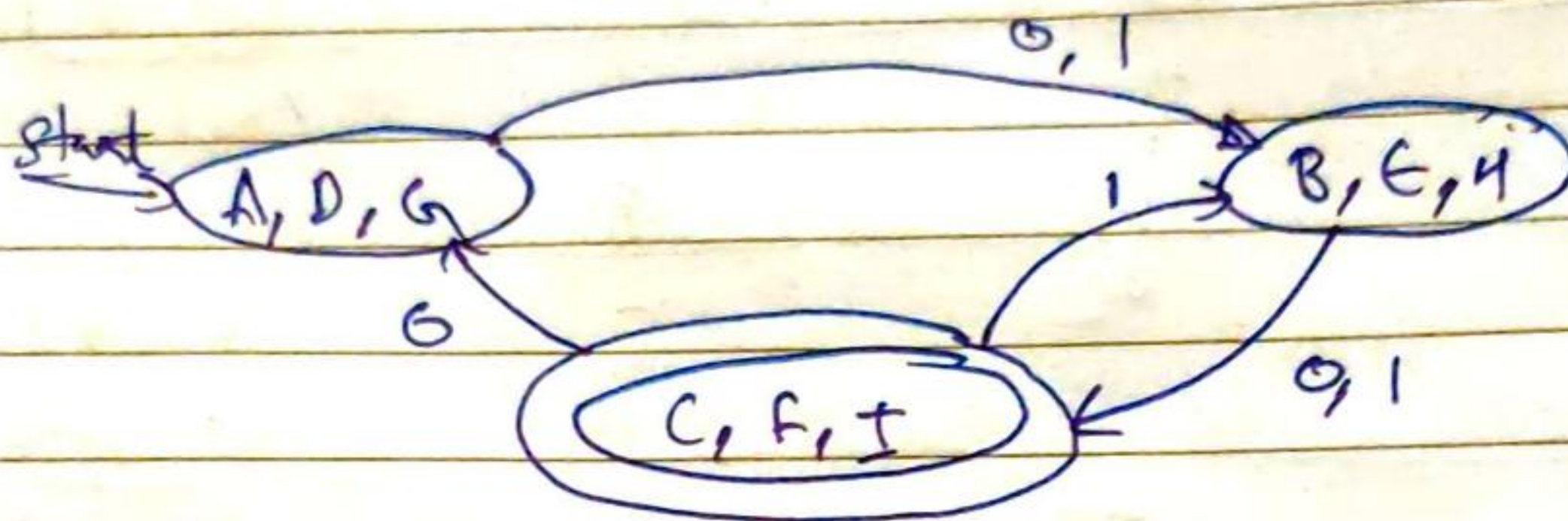
		0	1	
X	A	B	E	(NF, NF)
	<u>B</u>	<u>C*</u>	<u>F*</u>	<u>(F, F)</u>
✓	A	B	E	(NF, NF)
	<u>D</u>	<u>H</u>	<u>B</u>	<u>(NF, NF)</u>
X	A	B	E	(NF, NF)
	<u>E</u>	<u>*F</u>	<u>*I</u>	<u>(F, F)</u>
✓	A	B	E	(NF, NF)
	<u>G</u>	<u>H</u>	<u>B</u>	<u>(NF, NF)</u>
X	B	*C	*F	(F, F)
	<u>D</u>	<u>E</u>	<u>H</u>	<u>(NF, 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 <sub>1</sub>	q <sub>2</sub>	*q <sub>3</sub>
q <sub>2</sub>	*q <sub>3</sub>	*q <sub>5</sub>
*q <sub>3</sub>	q <sub>4</sub>	*q <sub>5</sub>
q <sub>4</sub>	*q <sub>3</sub>	*q <sub>5</sub>
*q <sub>5</sub>	q <sub>2</sub>	*q <sub>5</sub>

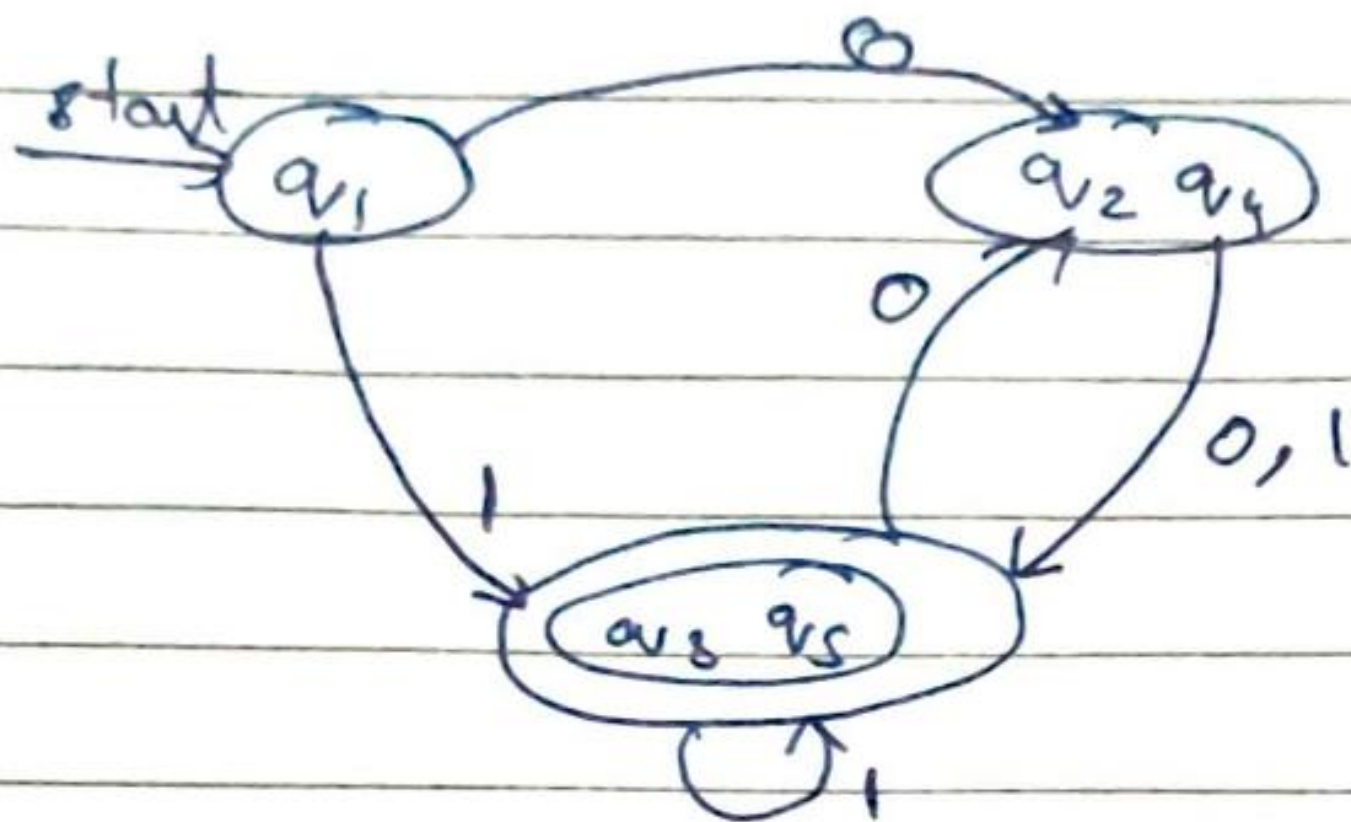
q <sub>2</sub>	x			
*q <sub>3</sub>	x	x		
q <sub>4</sub>	x		x	
*q <sub>5</sub>	x	x		x
	q <sub>1</sub>	q <sub>2</sub>	*q <sub>3</sub>	q <sub>4</sub>

x	q <sub>1</sub>	q <sub>2</sub>	*q <sub>3</sub>
	q <sub>2</sub>	*q <sub>3</sub>	*q <sub>5</sub>
x	q <sub>1</sub>	q <sub>2</sub>	*q <sub>3</sub>
	q <sub>4</sub>	*q <sub>3</sub>	*q <sub>5</sub>
✓	q <sub>2</sub>	*q <sub>3</sub>	*q <sub>5</sub>
	q <sub>4</sub>	*q <sub>3</sub>	*q <sub>5</sub>



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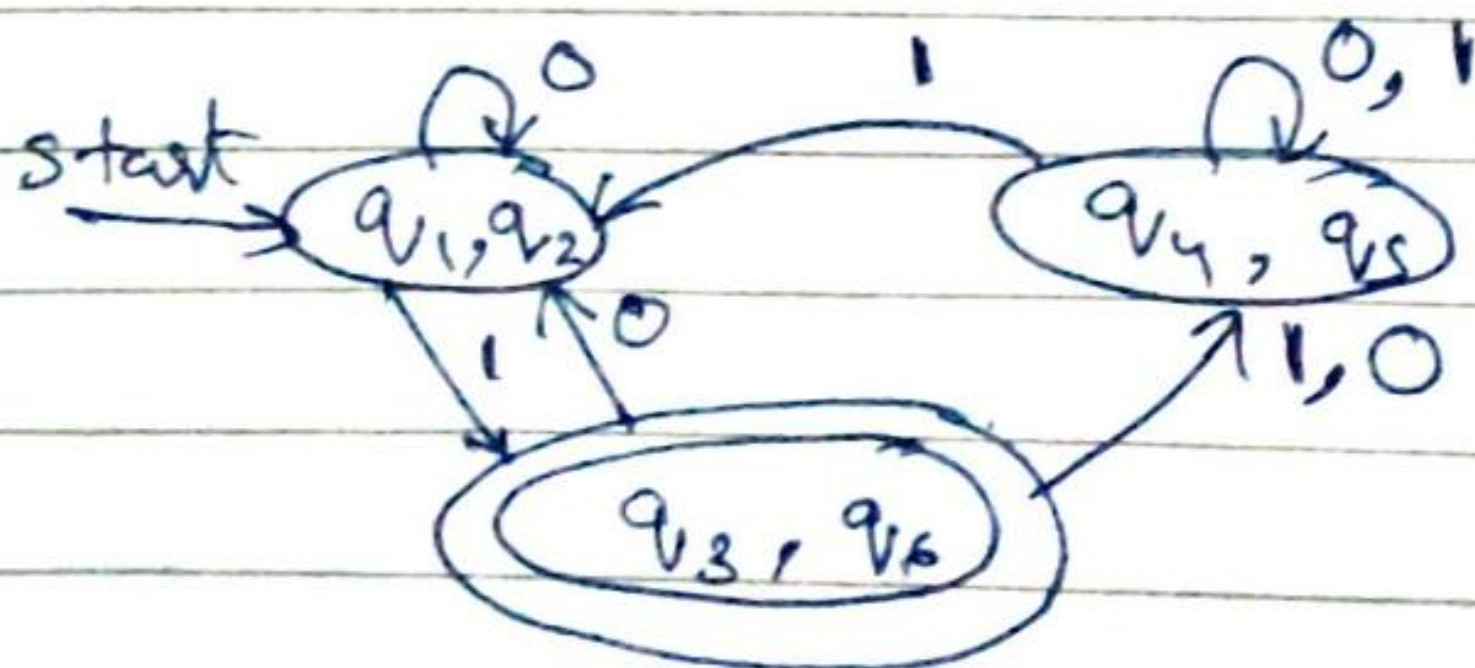
Remaining pairs  $(q_2, q_4)$   $(q_3, q_5)$



3)

$\emptyset$	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
<del><math>q_2</math></del>	$q_1$	* $q_6$
<del><math>q_4</math></del>	$q_2$	* $q_3$
$q_1$	$q_2$	* $q_6$
$q_4$	$q_4$	$q_2$
* $q_3$	$q_2$	* $q_6$
$q_5$	$q_4$	$q_5$
* $q_6$	$q_1$	* $q_3$
$q_4$	$q_4$	$q_2$
$q_5$	$q_4$	$q_5$
$q_6$	$q_5$	$q_4$
$q_3$	$q_2$	$q_4$
$q_4$	$q_4$	$q_2$
$q_5$	$q_5$	$q_4$

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