NAME: SUJAN BISWAS

ROLL No: 302010501003

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		s With			F	inal :	state		I	input G	iven	
5	0,4	Q3	Q2	$a_1$	Q4	Q,	az	a	21	92	93	24
0	0	O	0	0	0	0	0,	1	1	0	0	0
0	0	0	0	1	0	0		0	1	1	O	0
0	0	0	1	0	0	0	1	1	1	0	0	0
0	0	0.	1	1	0	١,	0	. 0	l	lι	1	0
0	0	4	0	0	0	į	0	1	1	0	0	0
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0	0	;	l `.		l .	1	1			0	0	
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0	1	0	0	0.	1	0	6	'	'	O	U	
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- 1	σ	0	1	Q	0	O	0	1	lil	1	0	0
1	0	<b>(</b>	` <b>†</b>	<b>()</b>	0	0 3	1 1	0	1	0	0	0
1	0	1	σ	0	0	0	1	1	1	l	F	0
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I	0	1	1	0	0	1	0	1		1	0	O
1	P	1	<b>Ø</b> 1	<ul><li>1</li></ul>	0	1	1	O	1	0	0	0
1	1	0	0	0	O	1		0	1 1	1	1	
1	1	0	0	1	l	0	0	U .		0	O	0

For 5=0;

Q4Q3	32 Q, 0	1	3	82 a,	2 6
Q40	13/08		3 0	11	

JK Br 92 = Q, Q4

For S=1,

92	$\bar{a}_2\bar{a}_1$	Q2Q1	<b>0</b> ,0	a2 a1	
Q4Q3	0 .	0	0	3 1 2	
A Ay		0	5 0	7 6	-
Qa Qz	d	2 8,	3 d	15 d	1
Q4 Q3		9 0	9 d	11/10/1	9

Jxfor 922 Q1Q2+Q1Q3+ +Q1Q4

-									4	
	92	ā	20,	ē	à, 0	,	E	9,0	1	PZQ,
E	<u> </u>	+	2	-			-	0	7	
18	4 A3	١	0		0	1		/ <b>\</b> }	3	2
1	<u> </u>	+	<u> </u>	t	^		1			0
- [	Q403	1	U4	١	$\mathcal{O}$	5	V	, (	7	8
1	0 0	+	7	t	٦		١	1	,5	dia
1	04 9	3	12	4	4	13	H		-	1
	Ba 0	ادر	0,	1	Ò	9		d	1]	010
	44	ᅼ		4		_	+		•	1

Jk for 93 = Q1 Q2

24	A 2 4	آمِ ِهِ ا	928,	9, Q
$\bar{\mathbf{Q}}_{4}\bar{\mathbf{Q}}_{3}$	0	Ö	0	0
$\overline{Q}_4Q_3$	0	0		
Q <sub>4</sub> Q <sub>3</sub>	d	d	(3)	d
Q <sub>4</sub> Q̄ <sub>3</sub>	0	1	d	d

JK for 2 = Q1Q2Q3+Q1Q4

## For Sel

٢	- 15	7 A	QZQ1	aza,	Q2Q,
	-	٩, ٦, ١	0	0	0
	Q4 Q3	00		0	0
	aga3		1	5 7	6
	Q4 Q-	30	) d	3 d	5 14
•	OLA Q3	U	8 0	9 0	1 19

3× for 93 = Q, Q2 Q3+QQ2Q4

94	Qa, G	0	9291	<b>এ</b> বি,	
Q4Q3	0	Ö	0	0	
Q4 Q3	d	9	1	d	
QaQz	M	10	10		1

3× f. 2 2 9 3 Q Q Q 3

