Ratory # State Port

Inputs = A,B

States = There will be 4 states in total.

So, 2 bit of memory is enough ->[S

to store state values.

liagram 1	
1010 01/0	
*1 00 th	
01/0 0010 0010 10/0	
#2 (01) = 10) #3	
01/0	0

Transition	Table
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C	0	00	O	0	0	
2		01	Q	1	0	
(		10	0	0	0	
C	0	11	O	0	0	
5	1	00	0	D	2	
ď		01	0	1	0	
C		10	0	0	0	
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	0	90	D	0	0	
		01		1	0	
	0	10	1	1	<u> </u>	
A	0	11	1 1	O	0	
	11	00	O	0	1000	
	11	0 1	0	0	0	
	11	10	0	7	0	
	11	4 4	0	0 10	0	
				- <del></del>	1	

(	AB 37%	00	01	11	10	
	001	O	0		0	y= ABS, S,
	01	0	0	0	0	
	11	0	0	9	O	
	10	0	0	0	O	