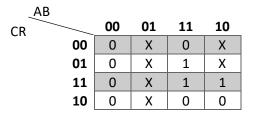
Present State	Request	Confirm	Pass_data	Next State	en_even	en_odd	dout
SO == 000	0	0	$b_3b_2b_1b_0$	S0	0	0	XXXX
	0	1	$b_3b_2b_1b_0$	S0	0	0	XXXX
	1	0	$b_3b_2b_1b_0$	S1	0	0	XXXX
	1	1	$b_3b_2b_1b_0$	S1	0	0	XXXX
S1 == 001	0	0	$b_3b_2b_1b_0$	S0	0	0	XXXX
	0	1	$b_3b_2b_1b_0$	S0	0	0	XXXX
	1	0	$b_3b_2b_1b_0$	S1	0	0	XXXX
	1	1	$b_3b_2b_1b_0$	S2 or S3(base on y)	0	0	XXXX
S2 == 101	0	0	$b_3b_2b_1b_0$	S0	0	0	XXXX
	0	1	$b_3b_2b_1b_0$	S0	0	0	XXXX
	1	0	$b_3b_2b_1b_0$	S2	0	0	XXXX
	1	1	$b_3b_2b_1b_0$	S4	0	0	XXXX
S3 == 111	0	0	$b_3b_2b_1b_0$	S0	0	0	XXXX
	0	1	$b_3b_2b_1b_0$	S0	0	0	XXXX
	1	0	$b_3b_2b_1b_0$	S3	0	0	XXXX
	1	1	$b_3b_2b_1b_0$	S3	0	0	XXXX
S4 == 110	0	0	$b_3b_2b_1b_0$	S0	~b ₀	b ₀	$b_3b_2b_1b_0$
	0	1	$b_3b_2b_1b_0$	S0	~b ₀	b_0	$b_3b_2b_1b_0$
	1	0	$b_3b_2b_1b_0$	S4	~b ₀	b_0	$b_3b_2b_1b_0$
	1	1	$b_3b_2b_1b_0$	S0	~b ₀	b_0	$b_3b_2b_1b_0$



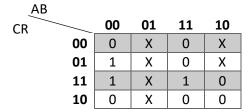
Confirm = 0

∑ AB					
CR		00	01	11	10
.	00	0	Х	0	Х
	01	0	Х	0	Χ
	11	1	Х	1	1
	10	0	Х	0	0

Confirm = 1

AB 00 01 11 10 CR 00 0 Χ 0 Χ Χ Χ 01 1 0 Χ 11 1 1 1 10 Χ 0 0 0

Confirm = 0



Confirm = 1

A+ = A.C.Request + A.Request.Confirm' + C.Request.Confirm

C+ = A'. Request + B.C.Request + C.Request.Confirm'

AB					
CR		00	01	11	10
	00	0	Х	0	Х
	01	0	Х	1	Х
	11	1	Х	1	0
	10	0	Х	0	0

Confirm = 0

Y = 0

AB					
CR		00	01	11	10
	00	0	X	0	Х
	00 01 11	0	Х	0	Х
	11	1	Х	1	1
	10	0	Х	0	0

Confirm = 1

(AB					
CR		00	01	11	10
	00	0	Х	0	Х
	01	0	Х	1	Χ
	00 01 11 10	0	Х	1	0
	10	0	Х	0	0

Confirm = 0

Y = 1

AB					
CR		00	01	11	10
	00	0	X	0	Х
	01	0	Х	0	Х
	11	0	Х	1	1
	10	0	Х	0	0

Confirm = 1

if Pass_data == Password : Y = 1

else : Y = 0

B+ = C.Request(Y'.Confirm + Y'A' + A.Y.Confirm)+ B.Request.Confirm'

In the S2 & S3 & S4 the Y must be hold then

Y+ = Y.A + Compare(Pass_Data & Password).A'