

<i>Present State</i>	<i>Request</i>	<i>Confirm</i>	<i>configin</i>	<i>equal</i>	<i>Next State</i>
<i>A == 001</i>	0	0	Data	X	A
	0	1	Data	X	A
	1	0	Data	X	B
	1	1	Data	X	B
<i>B == 010</i>	0	0	Data	X	A
	0	1	Data	X	A
	1	0	Data	X	B
	1	1	Data	X	C or E(base on equal)
<i>C == 011</i>	0	0	Data	1	A
	0	1	Data	1	A
	1	0	Data	1	C
	1	1	Data	1	D
<i>E == 101</i>	0	0	Data	0	A
	0	1	Data	0	A
	1	0	Data	0	E
	1	1	Data	0	E
<i>D == 100</i>	0	0	Data	1	A
	0	1	Data	1	A
	1	0	Data	1	D
	1	1	data	1	D

equal = 0

xy  
zR

	00	01	11	10
00	0	0	0	0
01	0	0	0	1
11	0	0	0	1
10	0	0	0	0

Confirm = 0

$x+ = x.y'.Request + x'.y.Request.Confirm.(equal' + z.equal)$

equal = 1

xy  
zR

	00	01	11	10
00	0	0	0	0
01	0	1	0	1
11	0	1	0	1
10	0	0	0	0

Confirm = 1

xy  
zR

	00	01	11	10
00	0	0	0	0
01	0	0	0	1
11	0	0	0	1
10	0	0	0	0

Confirm = 0

xy  
zR

	00	01	11	10
00	0	0	0	0
01	0	0	0	1
11	0	1	0	1
10	0	0	0	0

Confirm = 1

equal = 0

xy  
zR

	00	01	11	10
00	0	0	0	0
01	0	1	0	0
11	1	1	0	0
10	0	0	0	0

Confirm = 0

$y+ = \text{confirm}' \cdot (x' \cdot y.\text{request} + x' \cdot z.\text{request}) + x' \cdot \text{request} \cdot \text{confirm} \cdot (z \cdot y' + \text{equal} \cdot y \cdot z')$

equal = 1

xy  
zR

	00	01	11	10
00	0	0	0	0
01	0	1	0	0
11	1	1	0	0
10	0	0	0	0

Confirm = 0

xy  
zR

	00	01	11	10
00	0	0	0	0
01	0	1	0	0
11	1	0	0	0
10	0	0	0	0

Confirm = 1

xy

zR

	00	01	11	10
00	1	1	1	1
01	1	0	1	0
11	0	1	1	1
10	1	1	1	1

Confirm = 0

xy

zR

	00	01	11	10
00	1	1	1	1
01	1	1	1	0
11	0	0	1	1
10	1	1	1	1

Confirm = 1

$$z+ = \text{Request}' + x.y + x.z + \text{confirm}.x'.z' + \text{confirm}'.(y.z + x'.y'.z')$$

$$\text{equal+} = (z' + x').(\text{compare paaword and input}) + z.x.\text{equal}$$