4th(W)	3rd(X)	2nd(Y)	1st(Z)	result	State
0	0	0	0	0	0
0	0	0	1	1	1
0	0	1	0	0	2
0	0	1	1	1	3
0	1	0	0	0	4
0	1	0	1	1	5
0	1	1	0	1	6
0	1	1	1	1	7
1	0	0	0	0	8
1	0	0	1	1	9
1	0	1	0	1	10
1	0	1	1	1	11
1	1	0	0	0	12
1	1	0	1	1	13
1	1	1	0	1	14
1	1	1	1	1	15

	W prime		W		
Y prime	0	0	0	0	Z Prime
	1	1	1	1	Z
Y	1	1	1	1	
	0	1	1	1	Z Prime
X prime	X			X prime	

Formula : f=w*y+y*x+z