Sensors				output
4	3	2	1	
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0	1
0	1	1	1	1
1	0	0	0	0
1	0	0	1	1
1	0	1	0	1

Sensor K-Map

	1'		1		
3'	0	0	1	1	4'
	0	1	1	1	4
3	0	1	1	1	
	0	1	1	1	4'
	2'	2		2'	

1	0	1	1	1
1	1	0	0	0
1	1	0	1	1
1	1	1	0	1
1	1		0	1