

x_0	y_0	c_{old}	$x_0 + y_0$	c_1	$(x_0 + y_0) + c_{old}$	c_2	c_{new}
0	0	0					
0	0	1					
0	1	0					
0	1	1					
1	0	0					
1	0	1					
1	1	0					
1	1	1					

