

Full Adder

a	b	carry1	sum1	c	carry2	sum2
0	0	0	0	0	0	0
				1	0	1
0	1	0	1	0	0	1
				1	1	0
1	0	0	1	1	1	0
				0	0	1
1	1	1	0	1	0	1
				0	0	0