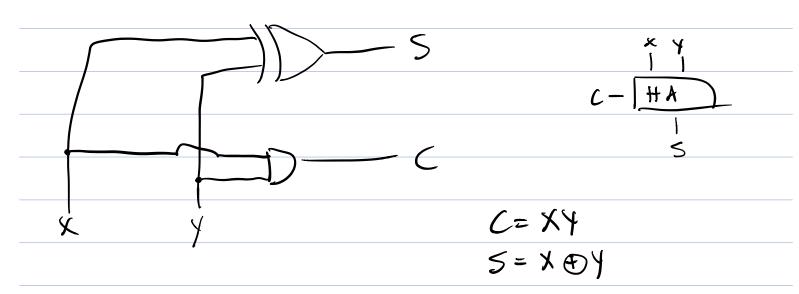
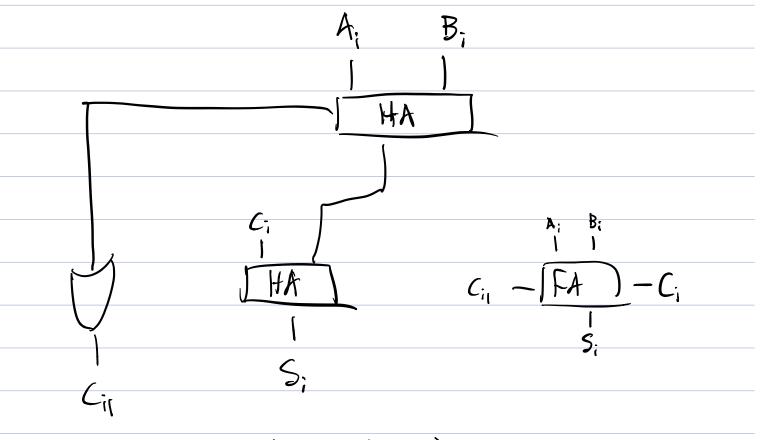
Part A Half-Adder:



Full - Adder:



$$\frac{C_{ij} = A_i B_i + C_i (A_i \oplus B_i)}{S_i = A_i \oplus B_i \oplus C_i}$$

Ripple Carry Adder:

Part B

	A	В	CyS
Example	0 0	J 111	000
	0000	100)	01001
2	0110	1110	10100
3	0001	1000	01001
4	0111	1101	10100
5	0010	0111	01001
6	1000	1100	10100
7	0011	0110	01001
8	1001	(01)	10/00
9	0100	00	01001
10	1010	1010	10100