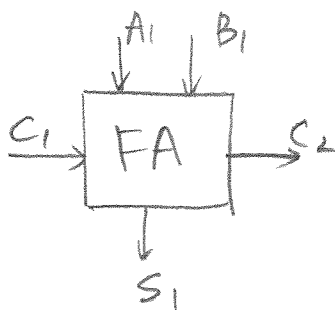


2

Example Design

True Value Table

	A_1	B_1	C_1	C_2	S_1
0	0	0	0	0	0
1	0	0	1	0	1
2	0	1	0	1	0
3	0	1	1	0	1
4	1	0	0	1	0
5	1	0	1	1	0
6	1	1	0	1	0
7	1	1	1	1	1

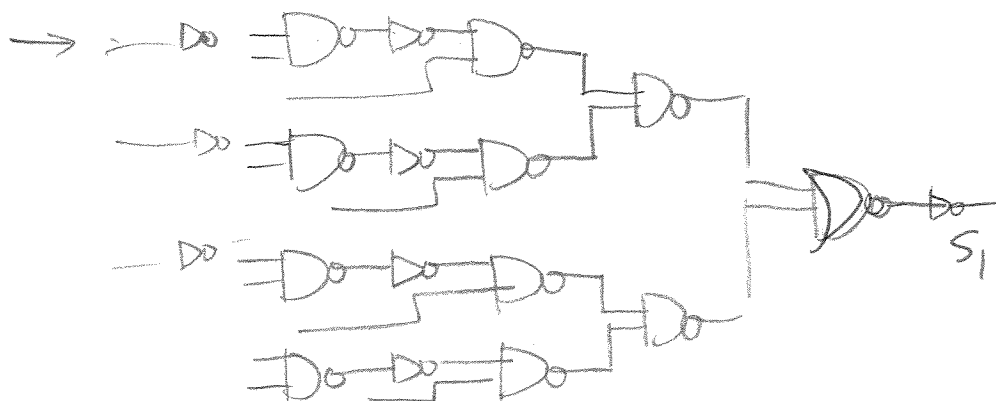
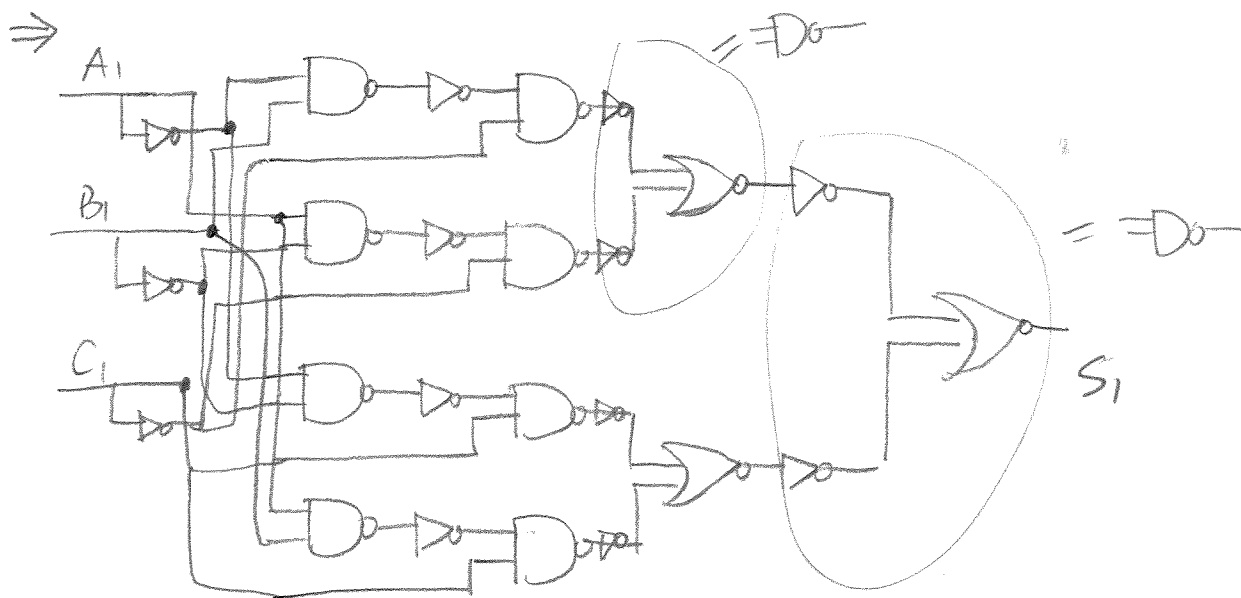


$C_1 \backslash A_1 B_1$	00	01	11	10
0	0	1	0	1
1	1	0	1	0

$C_2 \backslash A_1 B_1$	00	01	11	10
0	0	0	1	0
1	0	1	0	1

$$\Rightarrow S_1 = \bar{A}_1 \bar{B}_1 \bar{C}_1 + A_1 \bar{B}_1 \bar{C}_1 + \bar{A}_1 \bar{B}_1 C_1 + A_1 \bar{B}_1 C_1$$

$$C_2 = A_1 B_1 + B_1 C_1 + A_1 C_1$$



6 stages
✓