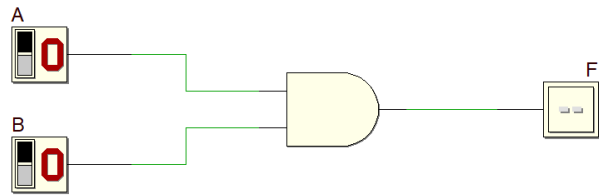
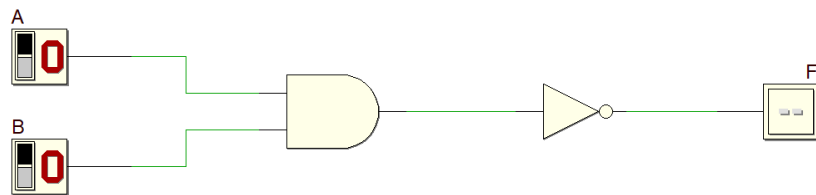


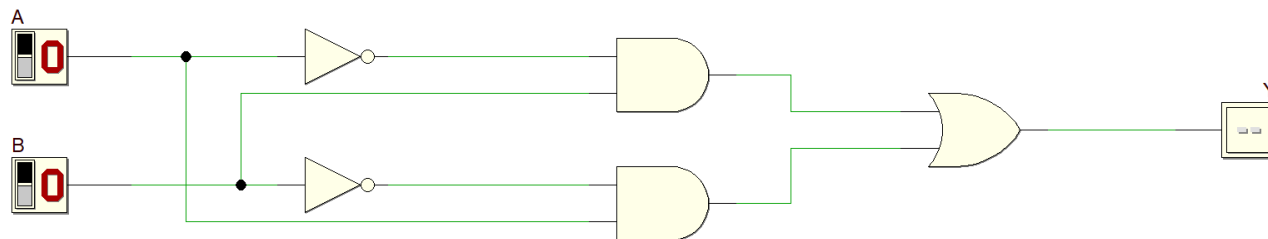
### Part 1



### Part 2



### Part 3



### 2 Input XOR gate

Logic Equation:

$$Y = A \text{ xor } B = \bar{A} B + A \bar{B}$$

Input Output

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0