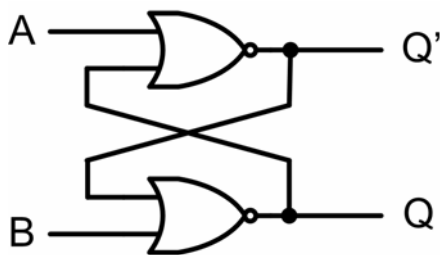


Name: \_\_\_\_\_

Lab Section: \_\_\_\_\_

**Problem 1: (5 points)**

Draw the transition table for the following S-R Latch.



A	B	Q	Q <sup>+</sup>	
0	0	0	0	} Remember
0	0	1	1	
0	1	0	0	} Reset
0	1	1	0	
1	0	0	1	} Set
1	0	1	1	
1	1	0	0 (Q' = 0)	} Inconsistent / Invalid State
1	1	1	0 (Q' = 0)	

**Problem 2: (5 points)**Use the following MUX to implement the function  $F = AB + C$ 

A	B	C	F
0	0	0	0
0	0	1	1
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	1
1	1	0	1
1	1	1	1

