

### Step 3: Truth Table

A	B	C	circuit_a (X)	circuit_b (Y)	X == Y
0	0	0	1	0	False
0	0	1	0	0	True
0	1	0	1	0	False
0	1	1	1	0	False
1	0	0	0	1	False
1	0	1	0	1	False
1	1	0	0	0	True
1	1	1	1	1	True