Pin 1	Pin 2	Output
0	0	0
0	1	0
1	0	0
1	1	1
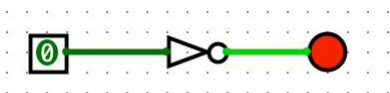
Pin	Output
0	1
1	0
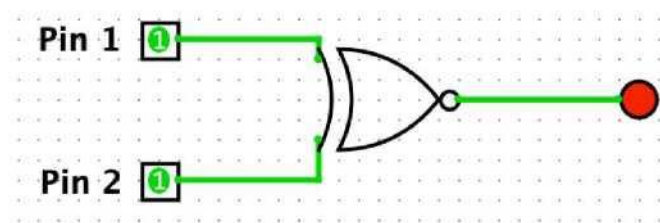
Pin 1	Pin 2	Output
0	0	1
0	1	0
1	1	1
1	0	0
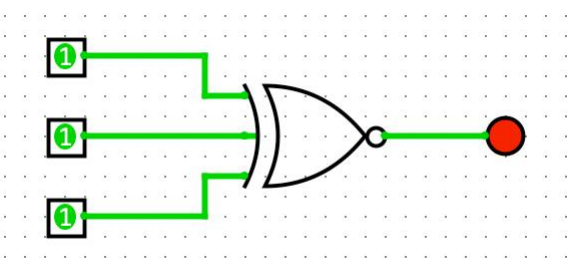
Pin 1	Pin 2	Pin 3	Output
0	0	0	1
0	1	0	0
0	0	1	0
1	0	0	0
1	1	0	1
1	0	1	1
1	1	1	1
0	1	1	1