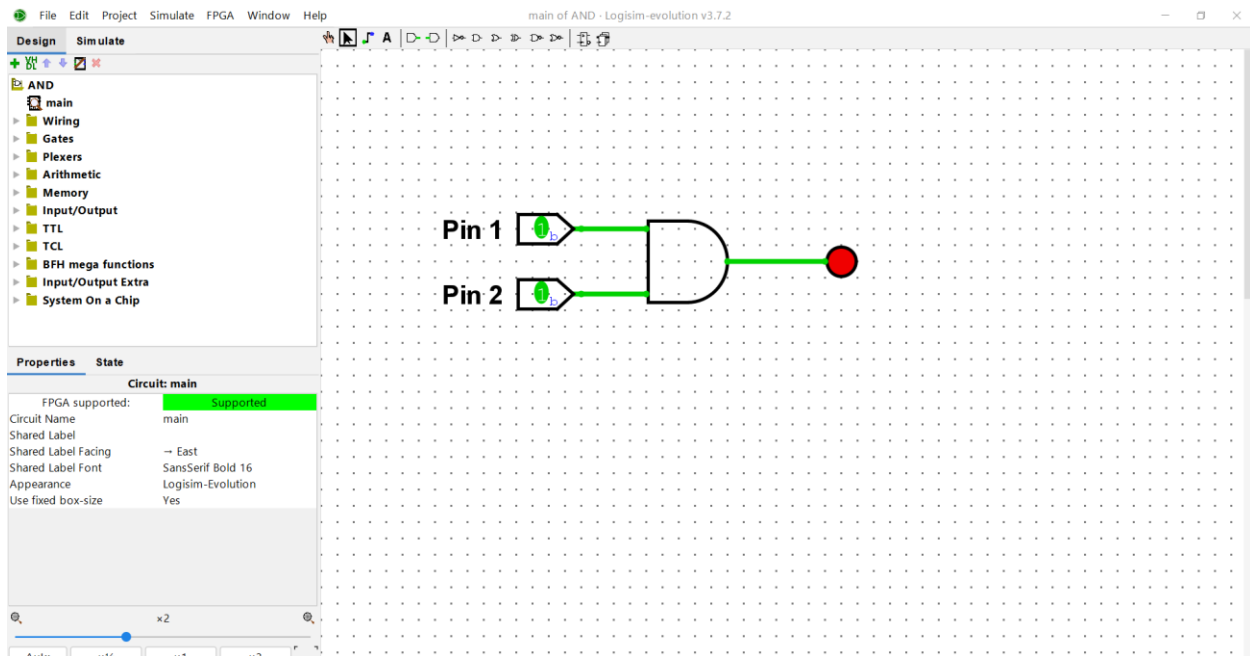


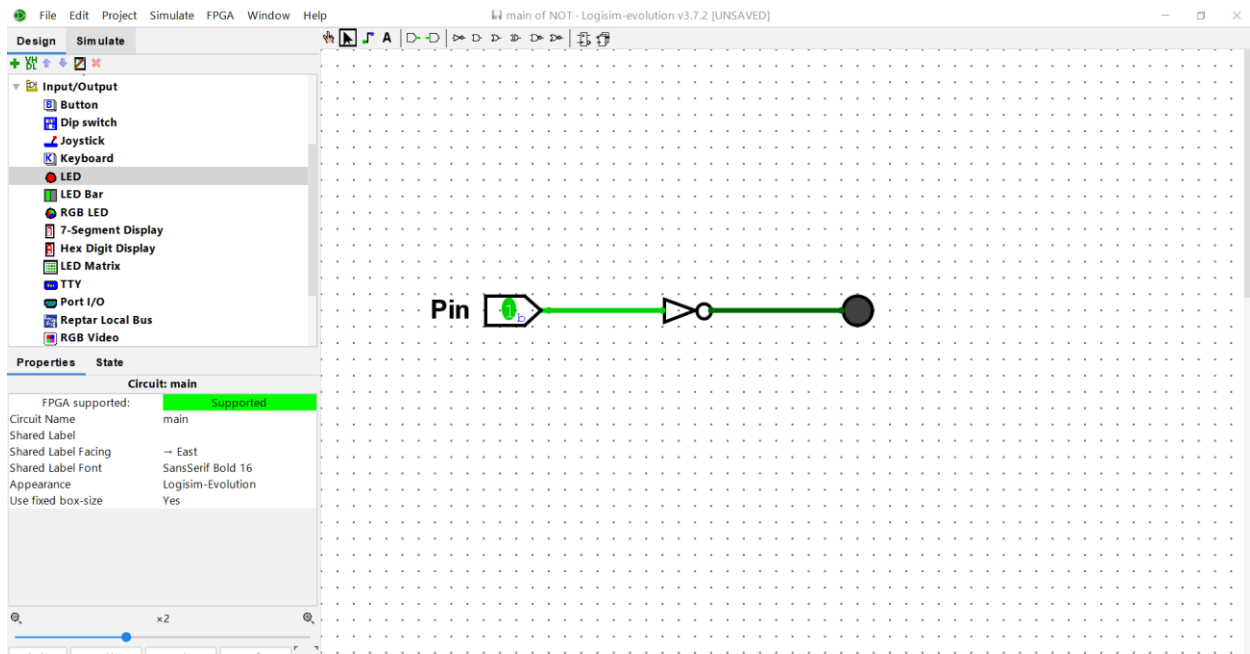
# I – AND



## State Table:

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

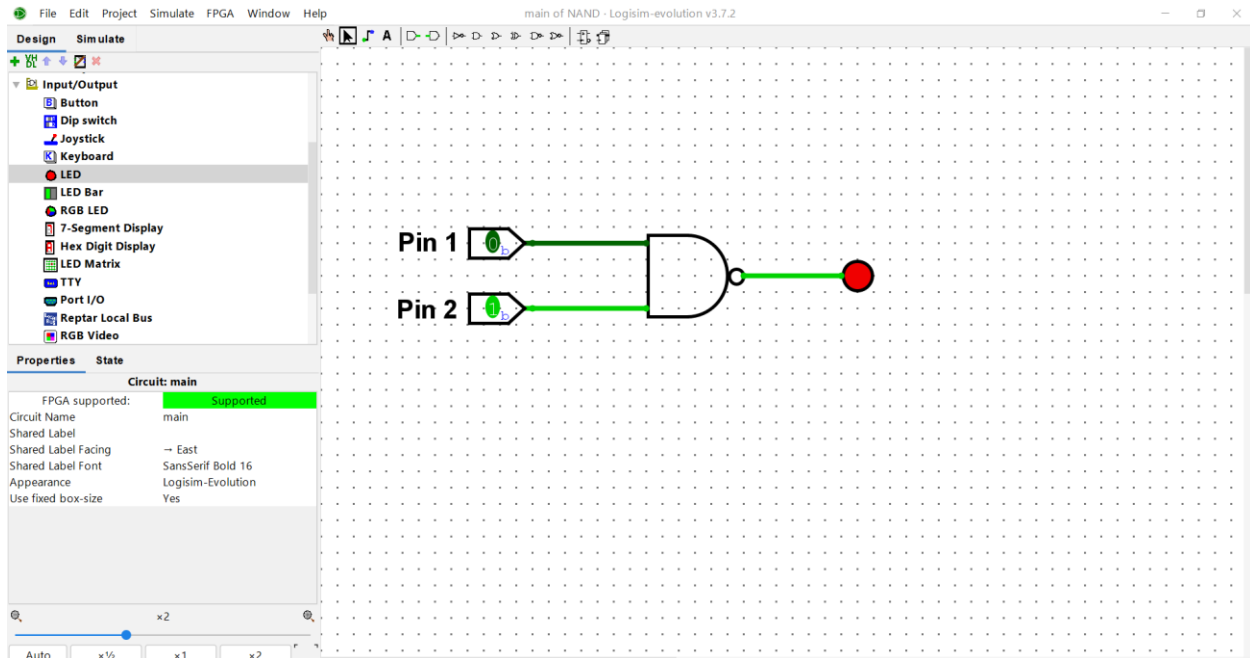
## II – NOT



### State Table:

Pin	Output
0	1
1	0

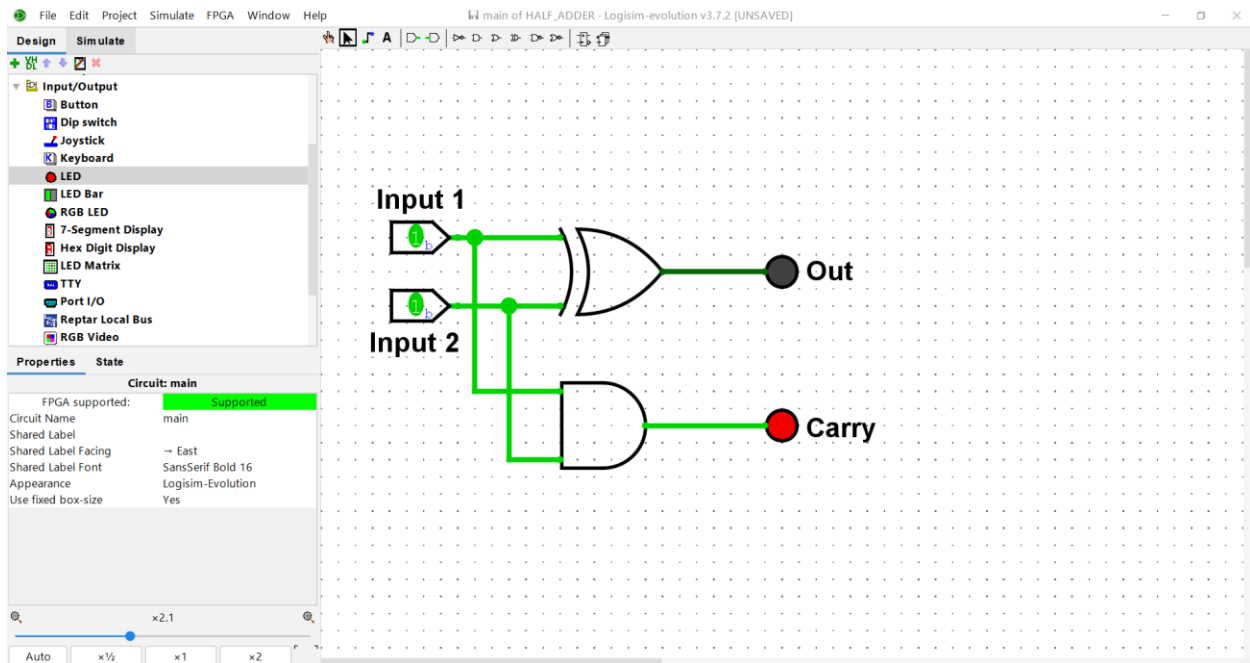
# III – NAND



## State Table:

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

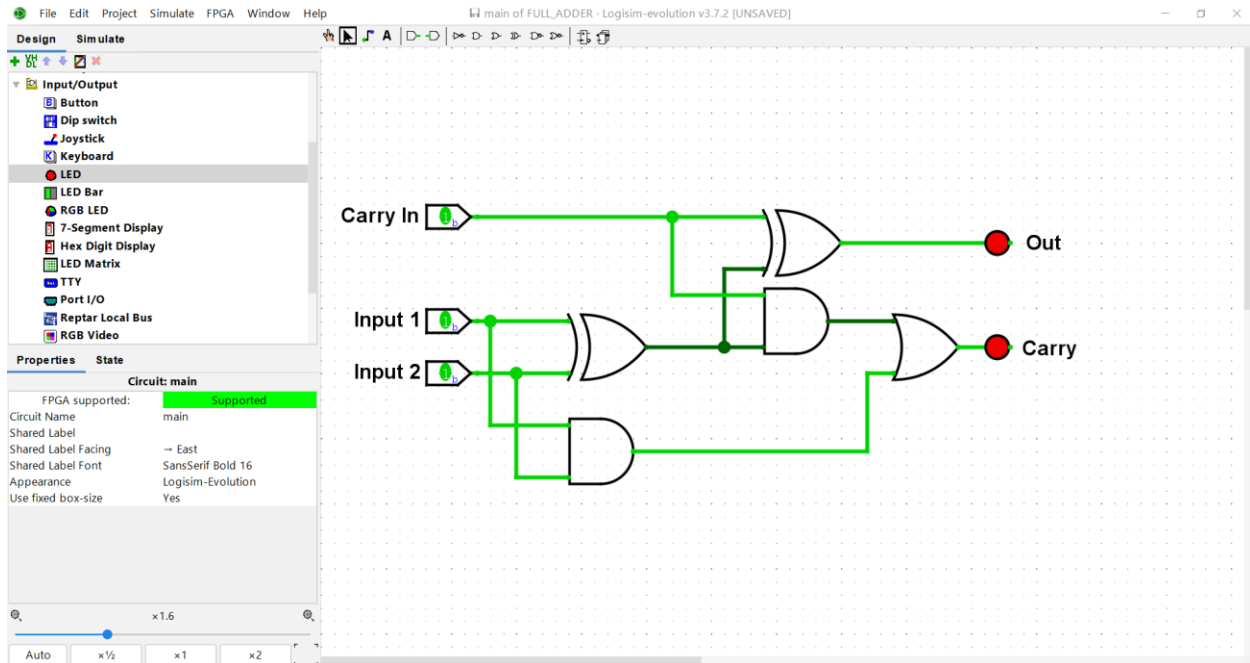
## IV – HALF ADDER



State Table:

Input 1	Input 2	Output	Carry
0	0	0	0
0	1	1	0
1	0	1	0
1	1	0	1

# V – FULL ADDER



State Table:

Input 1	Input 2	Carry In	Sum Output	Carry Output
0	0	0	0	0
0	0	1	1	0
1	0	0	1	0
1	0	1	0	1
0	1	0	1	0
0	1	1	0	1
1	1	0	0	1
1	1	1	1	1