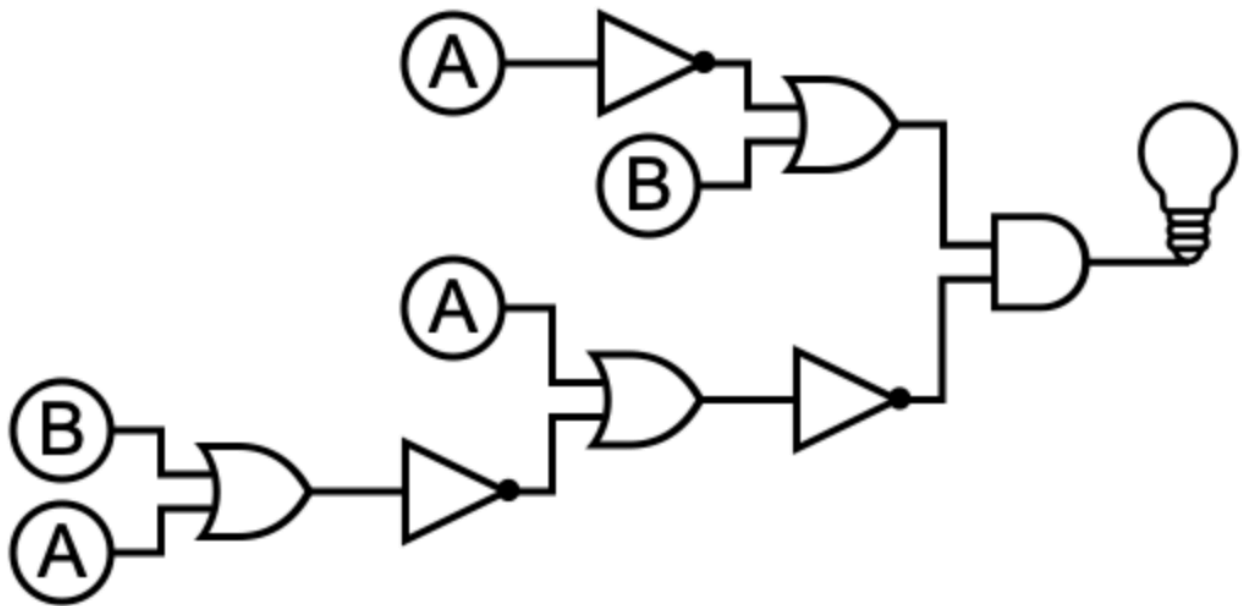


# Boolean Algebra



How many gates are used? =

**Q =**

A	B	Q
0	0	
0	1	
1	0	
1	1	

Use your program to write the steps of your simplification:

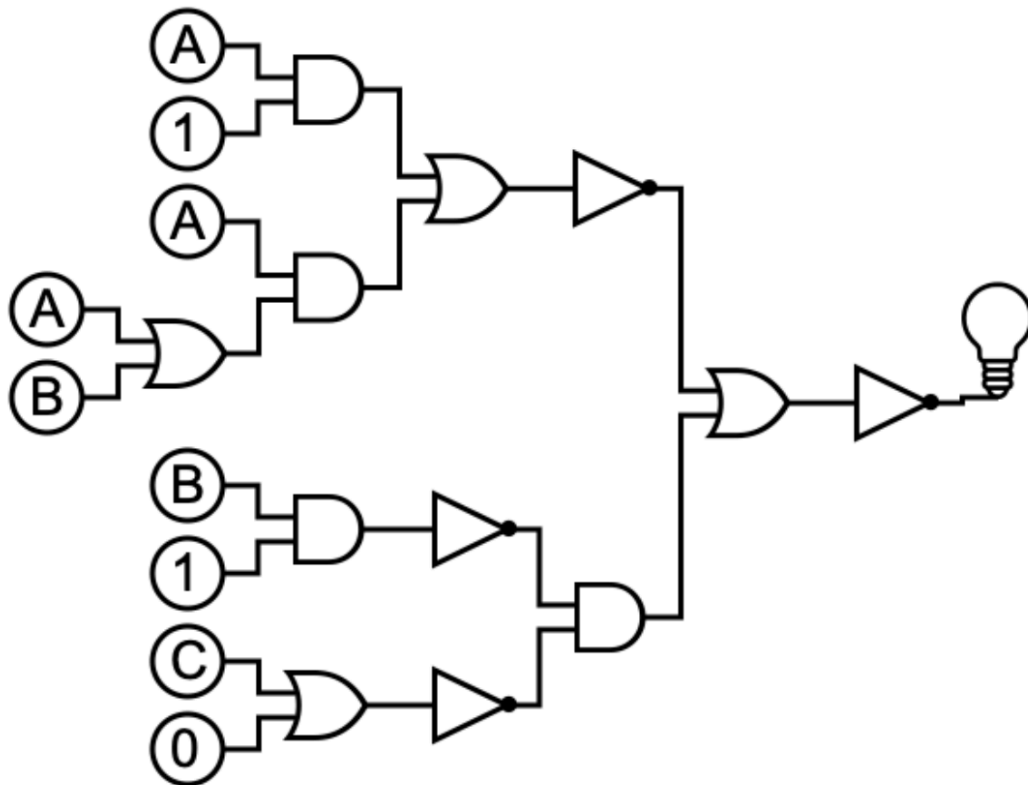
**Q =**

Build your new circuit and fill out the truth table to confirm it's the same:

<b>A</b>	<b>B</b>	<b>Q</b>
0	0	
0	1	
1	0	
1	1	

**How many gates are used now? =**

# Boolean Algebra



How many gates are used? =

**Q =**

A	B	C	Q
0	0	0	
0	0	1	
0	1	0	
0	1	1	
1	0	0	
1	0	1	
1	1	0	
1	1	1	

Use your program to write the steps of your simplification:

**Q =**

Build your new circuit and fill out the truth table to confirm it's the same:

A	B	C	Q
0	0	0	
0	0	1	
0	1	0	
0	1	1	
1	0	0	
1	0	1	
1	1	0	
1	1	1	

**How many gates are used now? =**