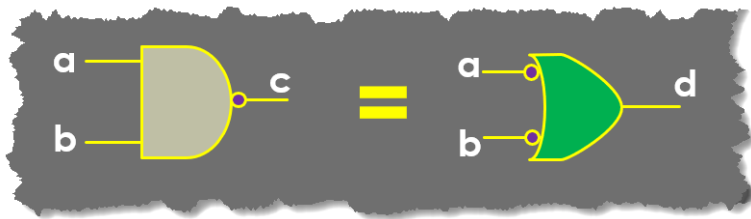
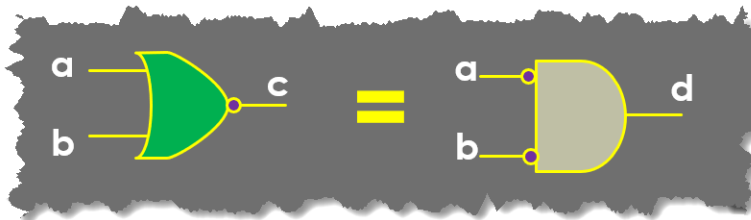


If we have a look at the truth-table of the two gates in the first rule we will notice that the outputs c and d are identical, which means the gates are equivalent.



a	b	c	d
0	0	1	1
0	1	1	1
1	0	1	1
1	1	0	0

We have the same situation for the second rule.



a	b	c	d
0	0	1	1
0	1	0	0
1	0	0	0
1	1	0	0