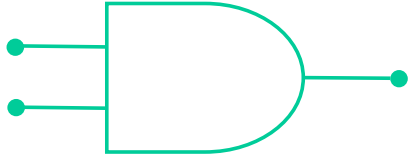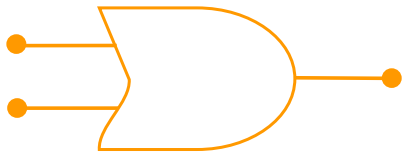## AND

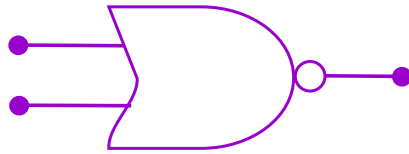| A	B	S
0	0	0
0	1	0
1	0	0
1	1	1

NAND

A	B	S
0	0	1
0	1	1
1	0	1
1	1	0

OR

A	B	S
0	0	0
0	1	1
1	0	1
1	1	1

NOR

A	B	S
0	0	1
0	1	0
1	0	0
1	1	0