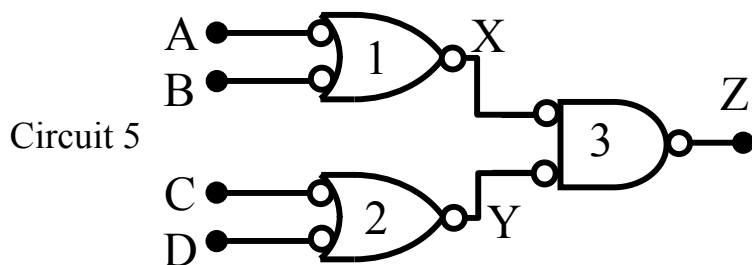
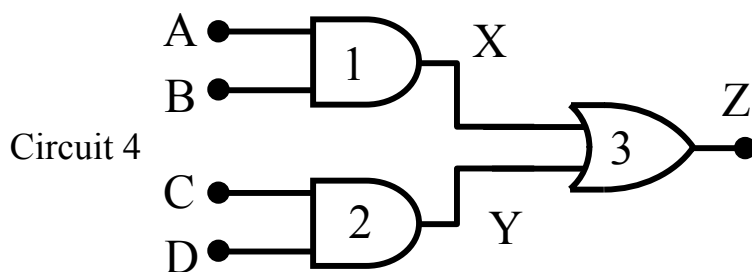
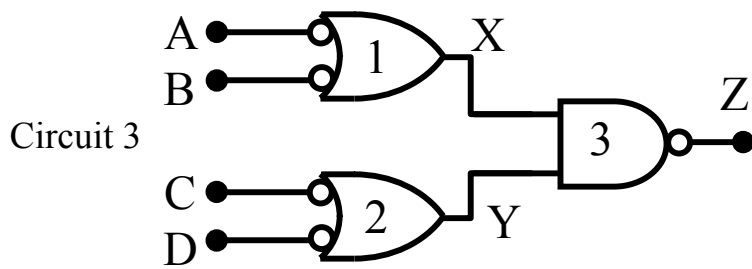
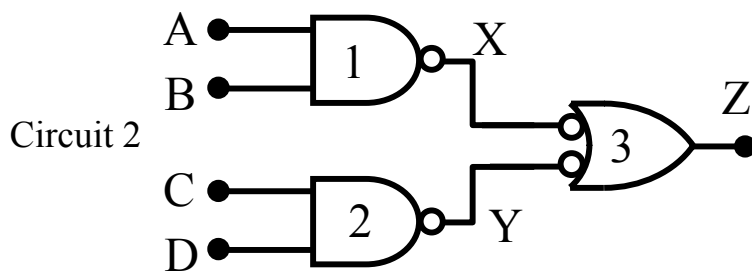
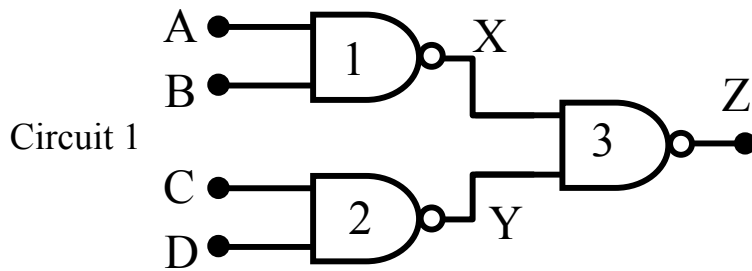


## Active High and Active Low versions of a simple circuit



Circuits 1, 2, and 3 are identical, and circuits 4 and 5 are identical. All five circuits produce the same truth table.

Truth Table for All Circuits

A	B	C	D	Z
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	0
0	1	1	0	0
0	1	1	1	1
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	1
1	1	0	0	1
1	1	0	1	1
1	1	1	0	1
1	1	1	1	1

Which Test Points are Active High or Active Low?

Circuit:	1	2	3	4	5
A	AH	AH	AL	AH	AL
B	AH	AH	AL	AH	AL
C	AH	AH	AL	AH	AL
D	AH	AH	AL	AH	AL
X	?	AL	AH	AH	AL
Y	?	AL	AH	AH	AL
Z	AL	AH	AL	AH	AL