
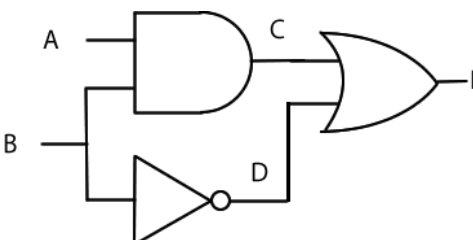
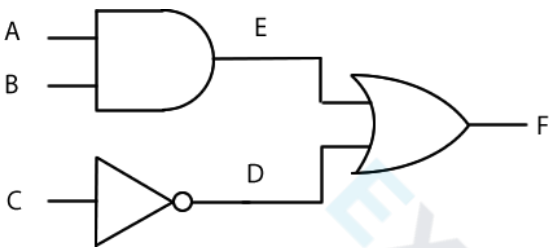
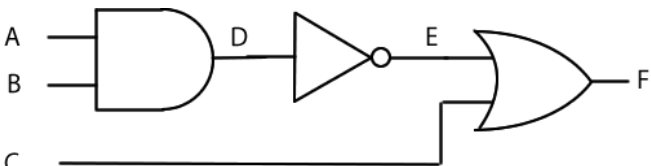
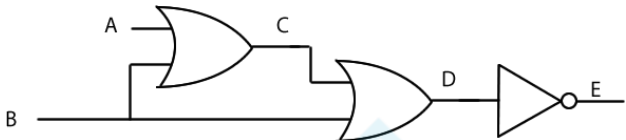


Complete the Truth tables, Boolean expression and circuit for the following circuits and write down the Boolean expression

	Circuit	Truth Table	Boolean Expression																									
1		<table><tr><th>A</th><th>B</th><th>E</th><th>C</th><th>D</th></tr><tr><td>0</td><td>0</td><td></td><td></td><td></td></tr><tr><td>0</td><td>1</td><td></td><td></td><td></td></tr><tr><td>1</td><td>0</td><td></td><td></td><td></td></tr><tr><td>1</td><td>1</td><td></td><td></td><td></td></tr></table>	A	B	E	C	D	0	0				0	1				1	0				1	1				
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A	B	C	D	E																								
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3		<table><tr><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>F</th></tr><tr><td>0</td><td>0</td><td>0</td><td></td><td></td><td></td></tr><tr><td>0</td><td>1</td><td>0</td><td></td><td></td><td></td></tr><tr><td>1</td><td>0</td><td>0</td><td></td><td></td><td></td></tr><tr><td>1</td><td>1</td><td>0</td><td></td><td></td><td></td></tr><tr><td>0</td><td>0</td><td>1</td><td></td><td></td><td></td></tr><tr><td>0</td><td>1</td><td>1</td><td></td><td></td><td></td></tr><tr><td>1</td><td>0</td><td>1</td><td></td><td></td><td></td></tr><tr><td>1</td><td>1</td><td>1</td><td></td><td></td><td></td></tr></table>	A	B	C	D	E	F	0	0	0				0	1	0				1	0	0				1	1	0				0	0	1				0	1	1				1	0	1				1	1	1				
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5		<table><tr><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th></tr><tr><td>0</td><td>0</td><td></td><td></td><td></td></tr><tr><td>0</td><td>1</td><td></td><td></td><td></td></tr><tr><td>1</td><td>0</td><td></td><td></td><td></td></tr><tr><td>1</td><td>1</td><td></td><td></td><td></td></tr></table>	A	B	C	D	E	0	0				0	1				1	0				1	1				
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6		<table><tr><th>A</th><th>B</th><th>NOT A</th><th>NOT B</th><th>Q</th></tr><tr><td>0</td><td>0</td><td></td><td></td><td></td></tr><tr><td>0</td><td>1</td><td></td><td></td><td></td></tr><tr><td>1</td><td>0</td><td></td><td></td><td></td></tr><tr><td>1</td><td>1</td><td></td><td></td><td></td></tr></table>	A	B	NOT A	NOT B	Q	0	0				0	1				1	0				1	1				Q = (NOT A) XOR (NOT B)
A	B	NOT A	NOT B	Q																								
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7		<table><tr><th>A</th><th>B</th><th>Q</th></tr><tr><td>0</td><td>0</td><td>0</td></tr></table>	A	B	Q	0	0	0																				
A	B	Q																										
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		0	1	1	
		1	0	0	
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