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Number System Problem – 51

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

	1	0	0	0
	0	1	0	0
+	1	1	0	1
	1	0	0	1



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Digital Electronics Problem – 52

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

	1	1	1	1	1	0	0	0
	0	1	1	0	1	1	0	0
+	1	0	1	1	0	1	0	1
1	0	0	1	0	0	0	0	1



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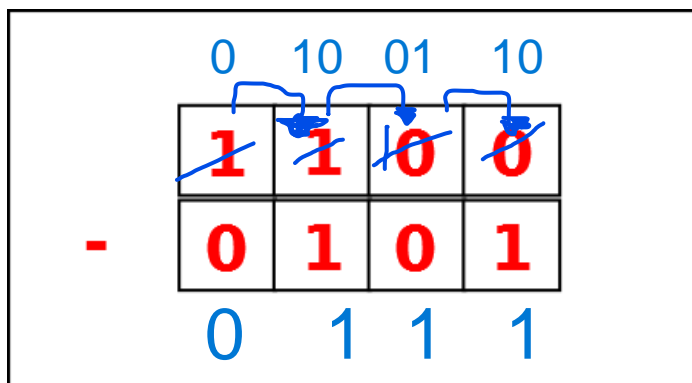
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Digital Electronics Problem – 53

Instructions:

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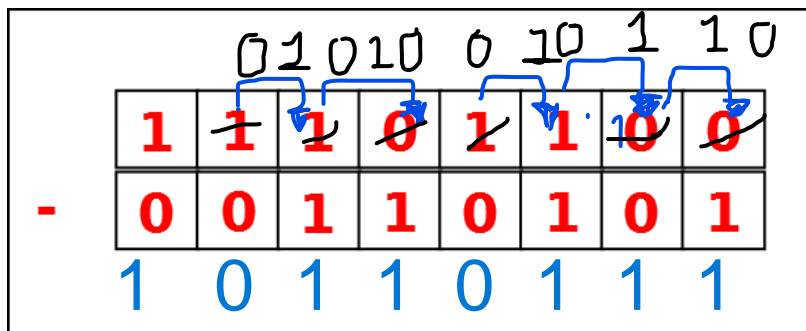
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Digital Electronics Problem – 54

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
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Digital Electronics Problem – 55

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

	1	1	1	0	1	1	0	0
AND	0	0	1	1	0	1	0	1
	0	0	1	0	0	1	0	0



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Digital Electronics Problem – 56

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

OR	1	1	1	0	1	1	0	0
	0	0	1	1	0	1	0	1
	1	1	1	1	1	1	0	1



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Digital Electronics Problem – 57

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

NOT	1	1	1	0	1	1	0	0
	0	0	0	1	0	0	1	1



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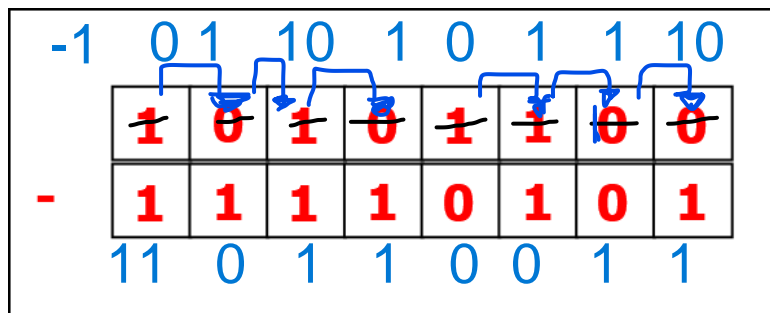
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Digital Electronics Problem – 58

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.





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Digital Electronics Problem – 59

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
3. Do not use books while solving the problems
4. Do not try to copy from others
5. Do the problems in an easy way.

One's Complement of

1	1	1	0	1	1	0	0
---	---	---	---	---	---	---	---

is 0 0 0 1 0 0 1 1



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Digital Electronics Problem – 60

Instructions:

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4. Do not try to copy from others
5. Do the problems in an easy way.

Two's Complement of

1	1	1	0	1	1	0	0
---	---	---	---	---	---	---	---

is 0 0 0 0 1 0 1 0 0

One's Complement of 11101100 is
00010011

$$\begin{array}{r} 11 \\ \text{Therefore, } 0001001 \\ + 1 \\ \hline 0001010 \\ \hline \end{array}$$