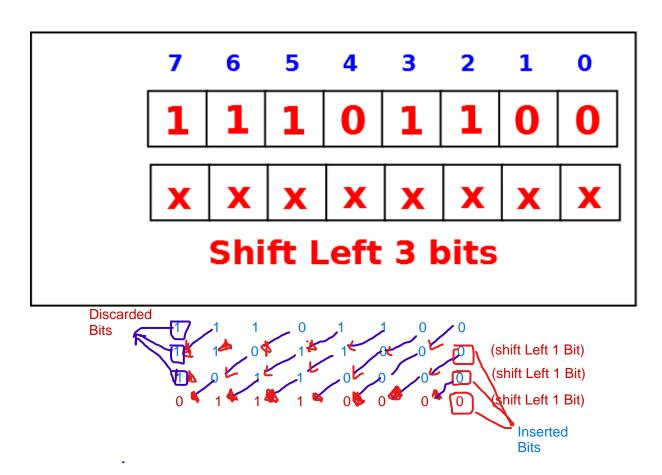


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Number System Problem - 81

- 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.

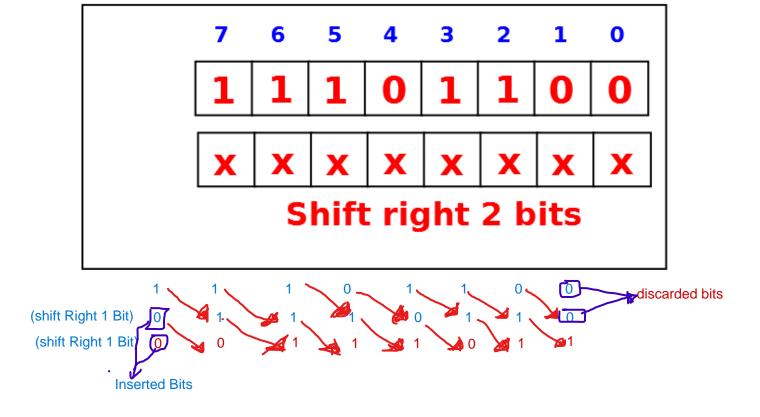


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<u>Digital Electronics Problem – 82</u>

- 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.



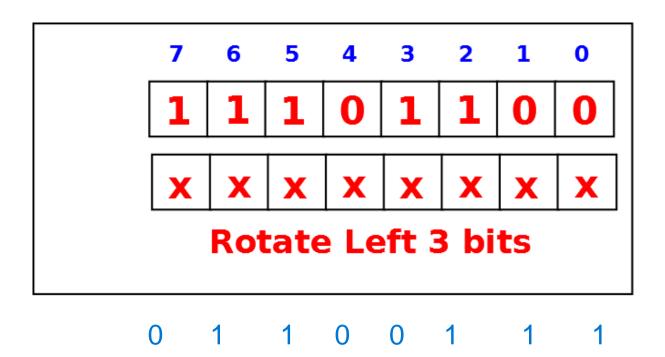


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<u>Digital Electronics Problem – 83</u>

- 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.



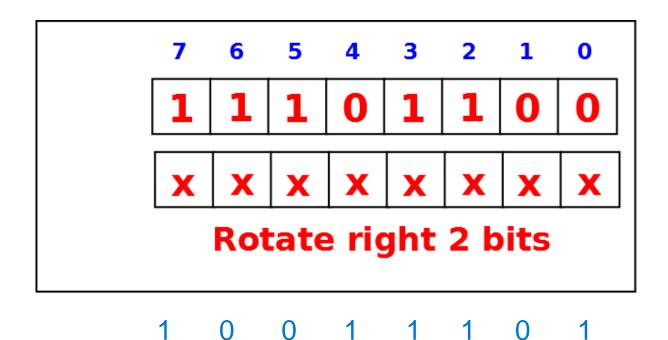


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<u>Digital Electronics Problem – 84</u>

- 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.



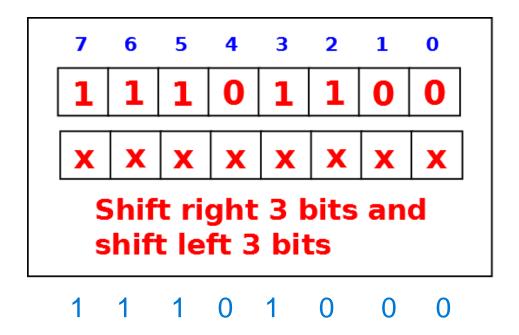


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<u>Digital Electronics Problem – 85</u>

- 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.

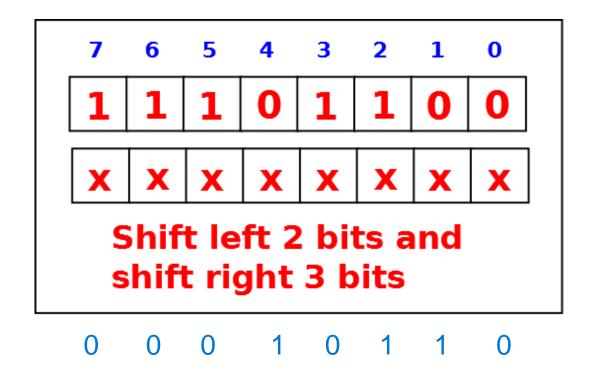




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<u>Digital Electronics Problem – 86</u>

- 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.





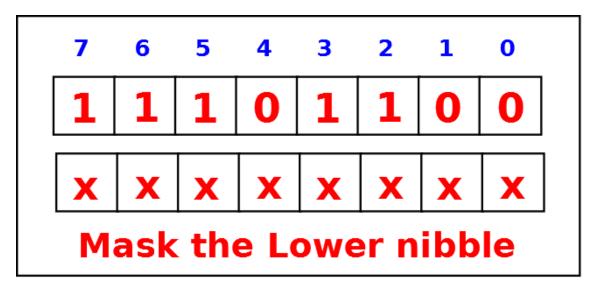
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Digital Electronics Problem – 87

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.



Masking the Lower Nibble:
Original Binary: 1110 1100
Mask: xxxxxxxx =1111 0000
Masking Operation:
1110 1100 (Original)
& 1111 0000 (Mask)

1110 0000 (Result)



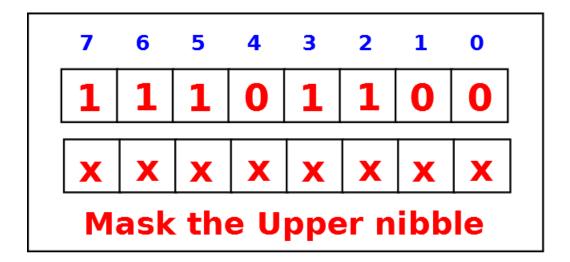
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Digital Electronics Problem – 88

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.



Masking the Upper Nibble:
Original Binary: 1110 1100
Mask: xxxxxxxx = 0000 1111
Masking Operation:
1110 1100 (Original)
& 0000 1111 (Mask)

0000 1100 (Result)

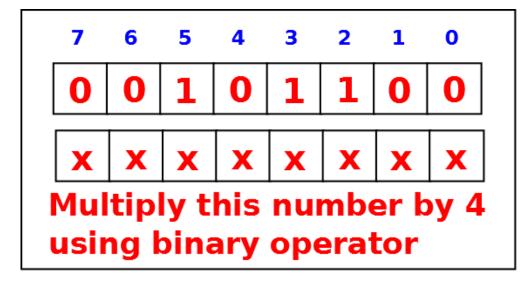
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Digital Electronics Problem – 89

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.



Left Shift Binary Operator is used to Multiply this number by 4.



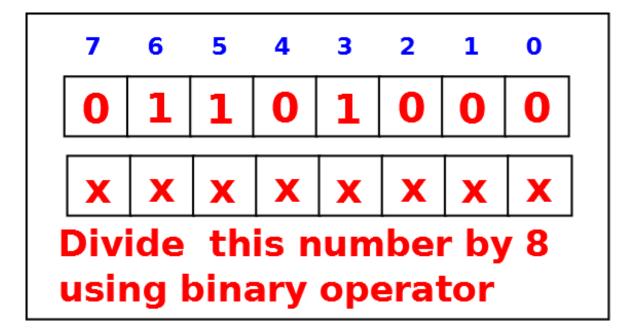
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Digital Electronics Problem – 90

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.



Right Shift Binary Operator is used to divide this number by 8.