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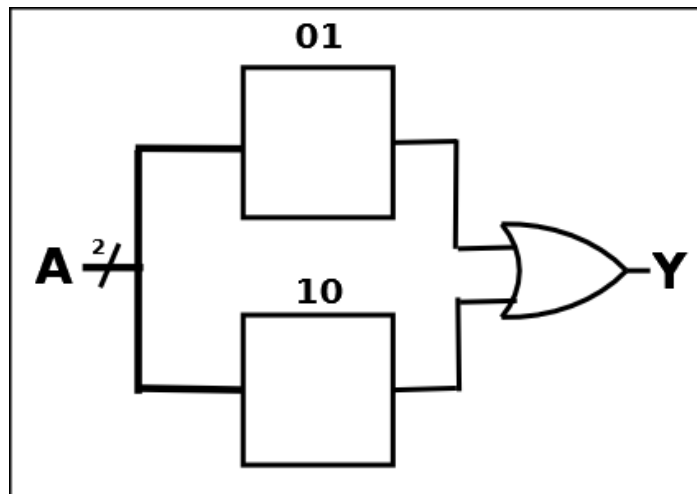
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## Digital Electronics Problem – 21

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.




For which of the following input combination the output  $Y$  will be 1

1. 00
2. 11
3. 01 or 10
4. 01 or 11



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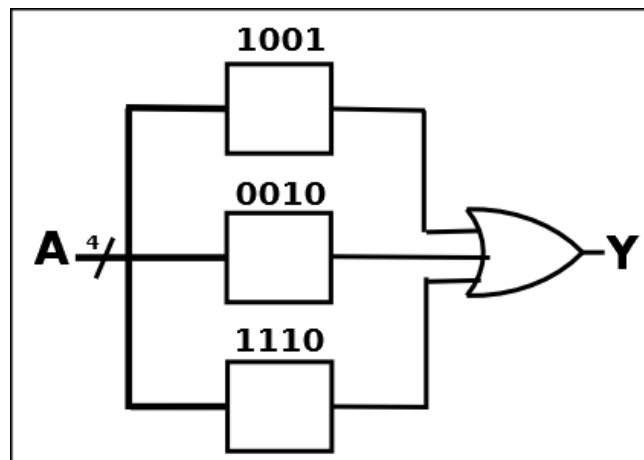
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## Digital Electronics Problem – 22

### Instructions:

1. Do not discuss with any one while solving the problems
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5. Do the problems in an easy way.



For which of the following input combination the output  $Y$  will be 1

1. 1011
2. 1000
3. 1001 or 0010 or 1110
4. 1001 or 0010 or 1100



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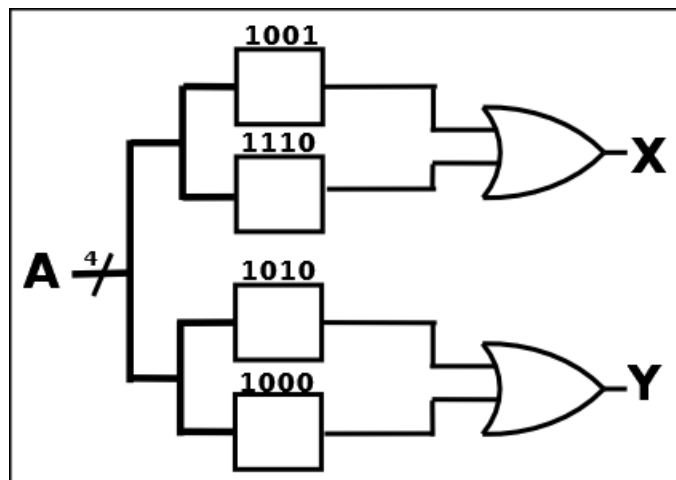
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## Digital Electronics Problem – 23

### Instructions:

1. Do not discuss with any one while solving the problems
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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.



For which of the following input combinations the output X and Y will be 1

1. (1001 or 1000) , (1010 or 1110)
2. (1001 or 1110) , (1010 or 1000)
3. (1010 or 1110) , (1001 or 1000)
4. (1010 or 0000) , (1101 or 1000)



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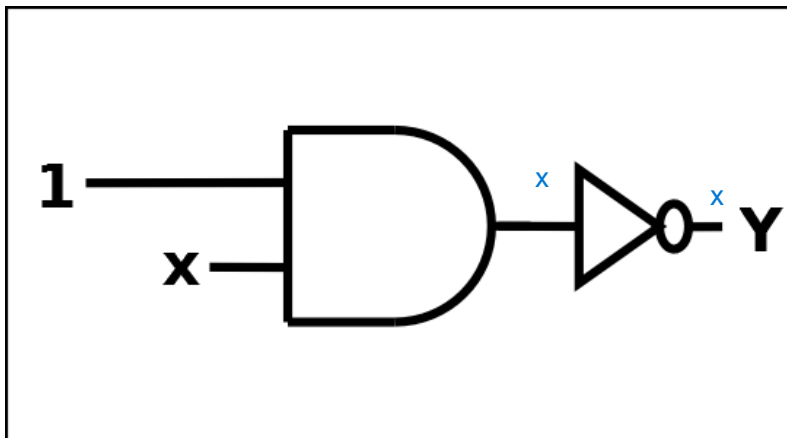
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## Digital Electronics Problem – 24

### Instructions:

1. Do not discuss with any one while solving the problems
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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.



What is the output Y

1. 0
2. 1
3. x
4. none of the above



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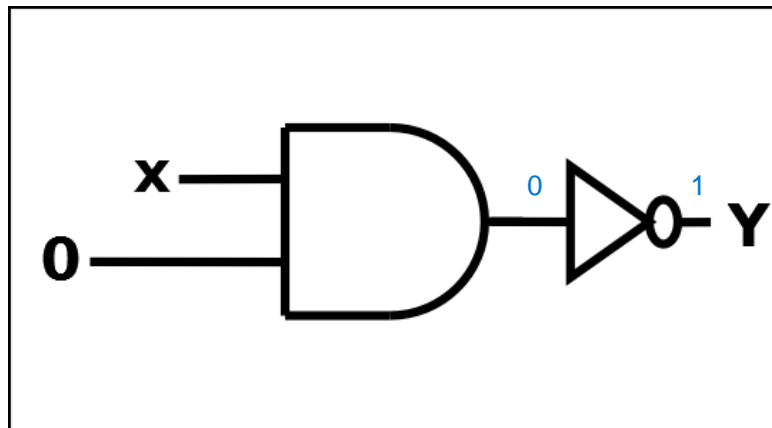
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## Digital Electronics Problem – 25

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.



What is the output Y?

1. 0
- ☒ 2. 1
3. x
4. none of the above



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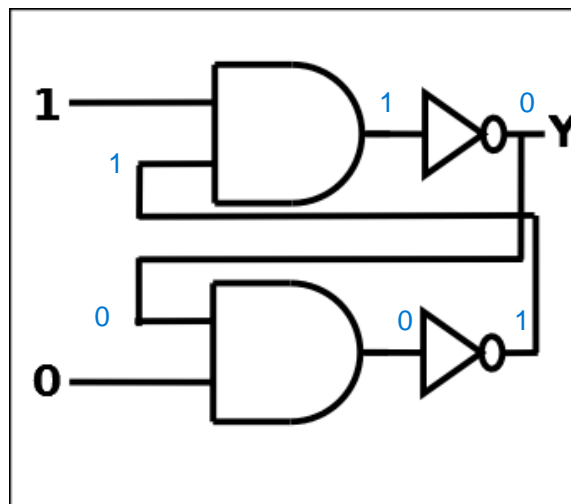
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## Digital Electronics Problem – 26

### 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.



What is the output Y?

- ☒ 0
- ☐ 1
- ☐ x
- ☐ none of the above



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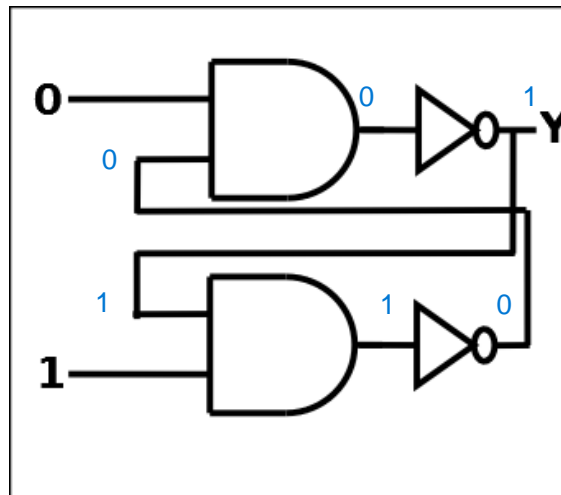
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## Digital Electronics Problem – 27

### 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.



What is the output Y

1. 0
2. 1
3. x
4. none of the above



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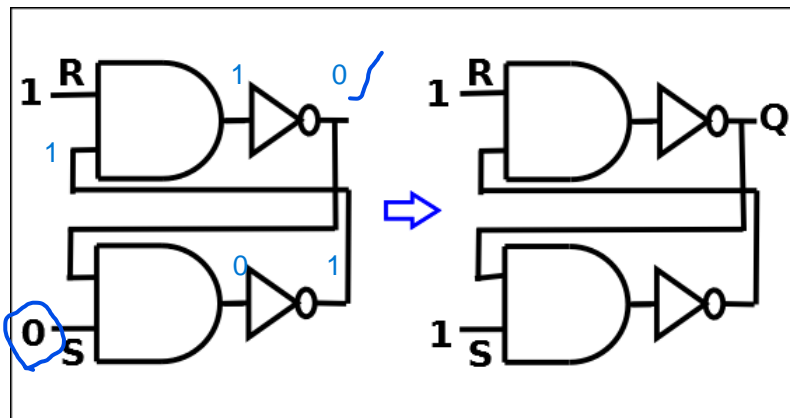
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## Digital Electronics Problem – 28

### 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.



PREVIOUS  
STATE IS 0

What is the output Q?

- ☒ 1. 0
2. 1
3. x
4. none of the above





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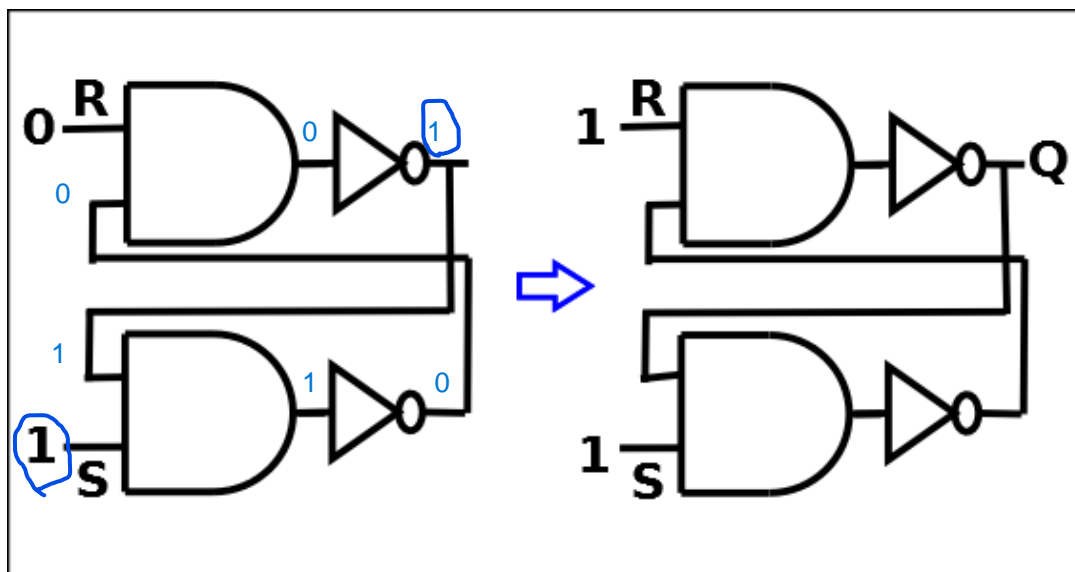
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## Digital Electronics Problem – 29

### 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.




What is the output Q?

1. 0
- ☒ 2. 1
3. x
4. none of the above



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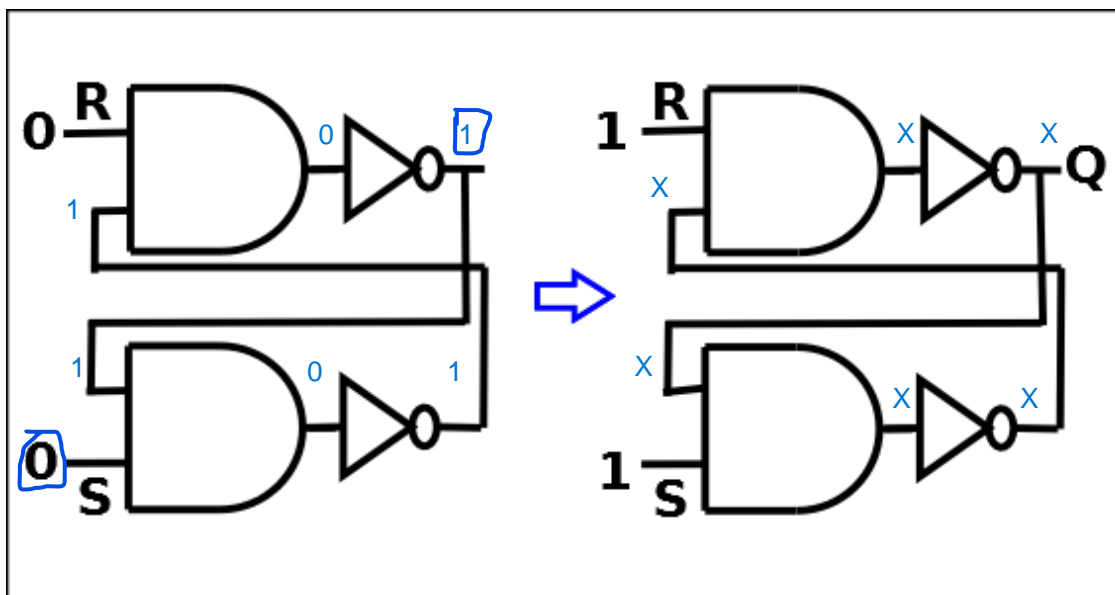
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## Digital Electronics Problem – 30

### 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.



PREVIOUS  
STATE IS  
0 OR 1  
i.e X

What is the output Q?

1. 0
2. 1
- ☒ 3. x
4. none of the above