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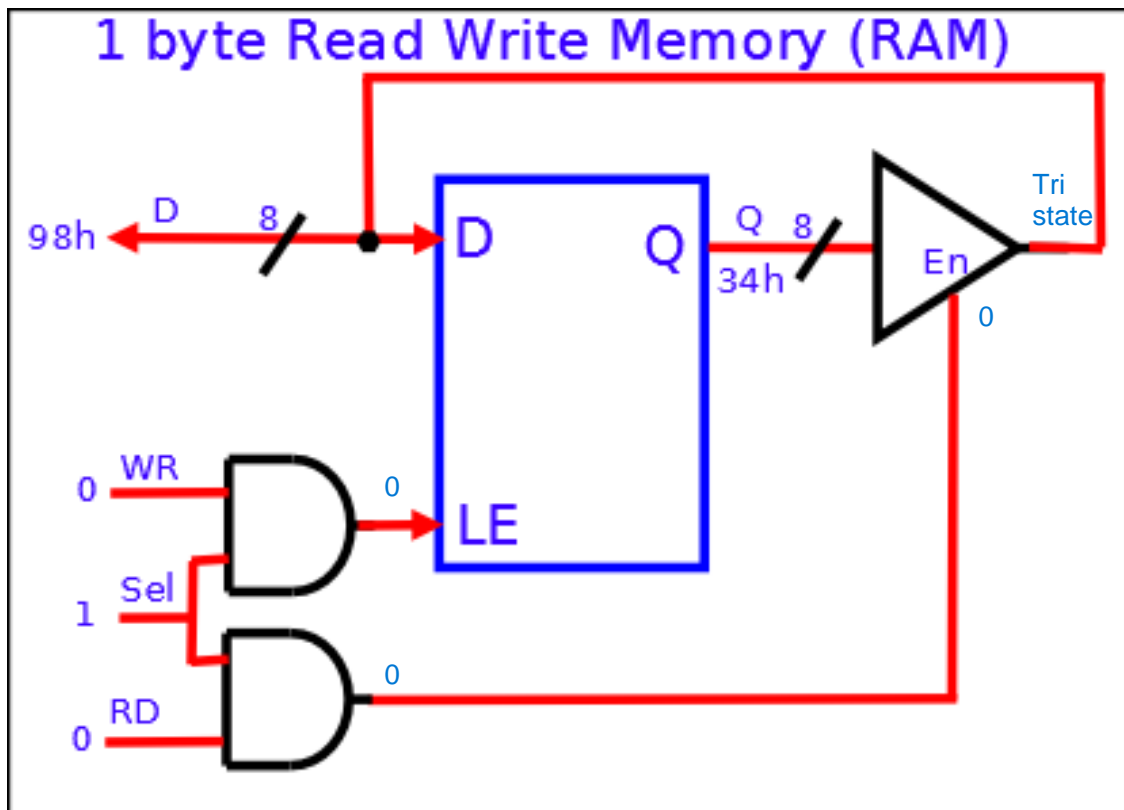
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Digital Electronics Problem – 91

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 value of Q?

1. 98h
2. 34h
3. Tristate
4. illegal



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Instructions:

- ### 1 byte Read Write Memory (RAM)
-
- The diagram illustrates a 1 byte Read Write Memory (RAM) circuit. It features a D flip-flop with inputs D, Q, and LE, and an output Q. The flip-flop is connected to a 3-to-8 decoder. The decoder has three inputs: WR (Write Enable), Sel (Select), and RD (Read Enable). The decoder has eight outputs, labeled 0 through 7. The output 0 is connected to the LE input of the flip-flop. The output 1 is connected to the D input of the flip-flop. The output 34h is connected to the Q input of the flip-flop. The output 98h is connected to the Q output of the flip-flop. The output 0 is also connected to the En (Enable) input of a 3-to-8 decoder, which is labeled Tri state. The output 0 is also connected to the En input of a 3-to-8 decoder, which is labeled Tri state.


What is the value of Q?

1. 98h
2. 34h
3. Tristate
4. illegal



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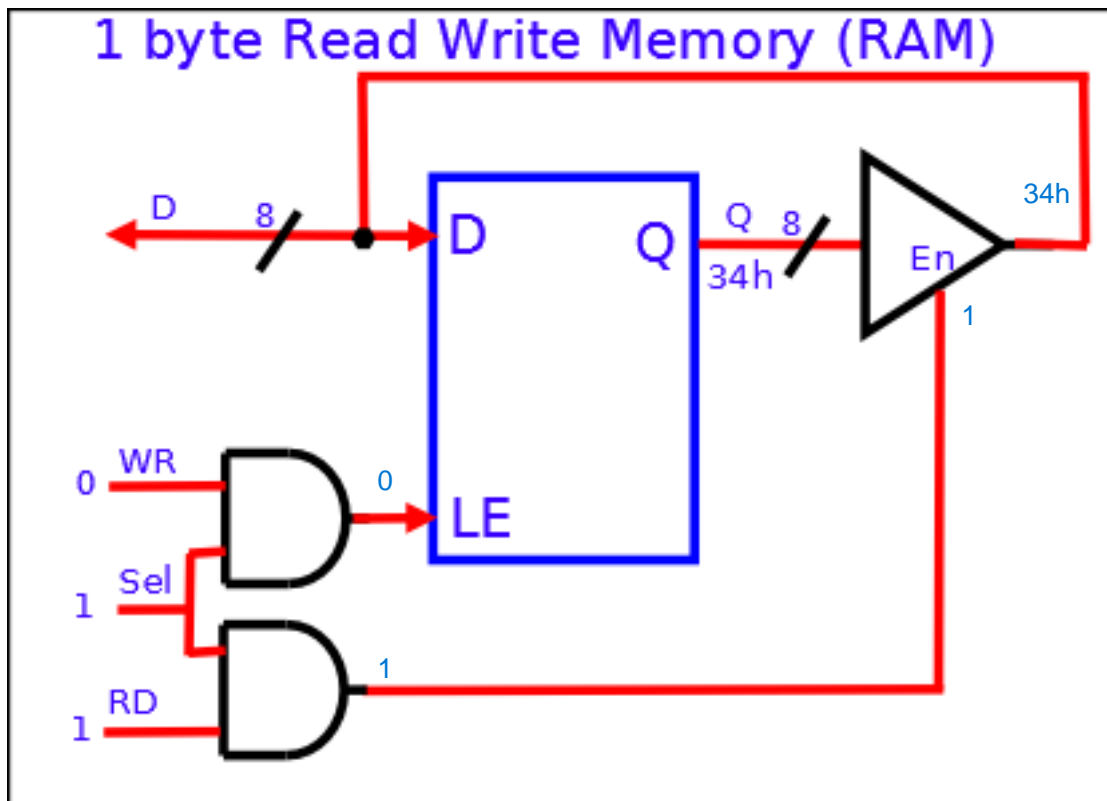
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Digital Electronics Problem – 93

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1. Do not discuss with any one while solving the problems
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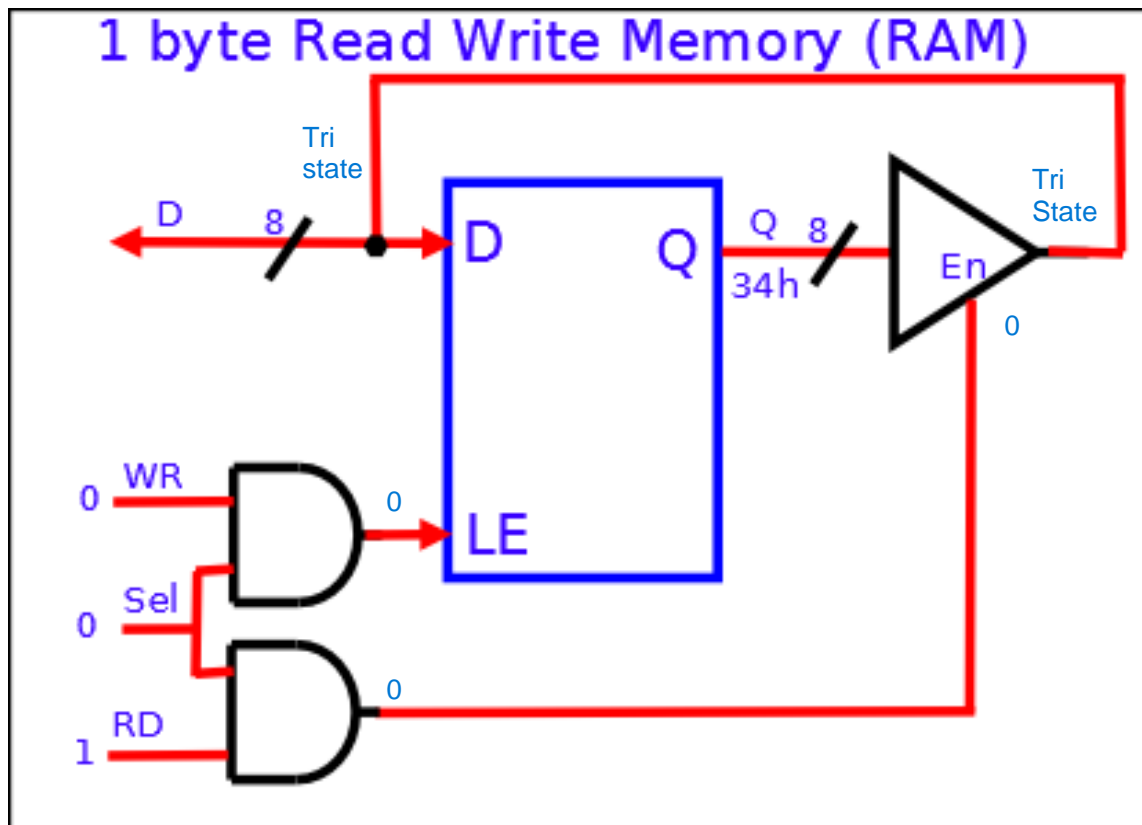
What is the value of D?

1. 98h
2. 34h
3. Tristate
4. illegal

Digital Electronics Problem – 94

Instructions:

1. Do not discuss with any one while solving the problems
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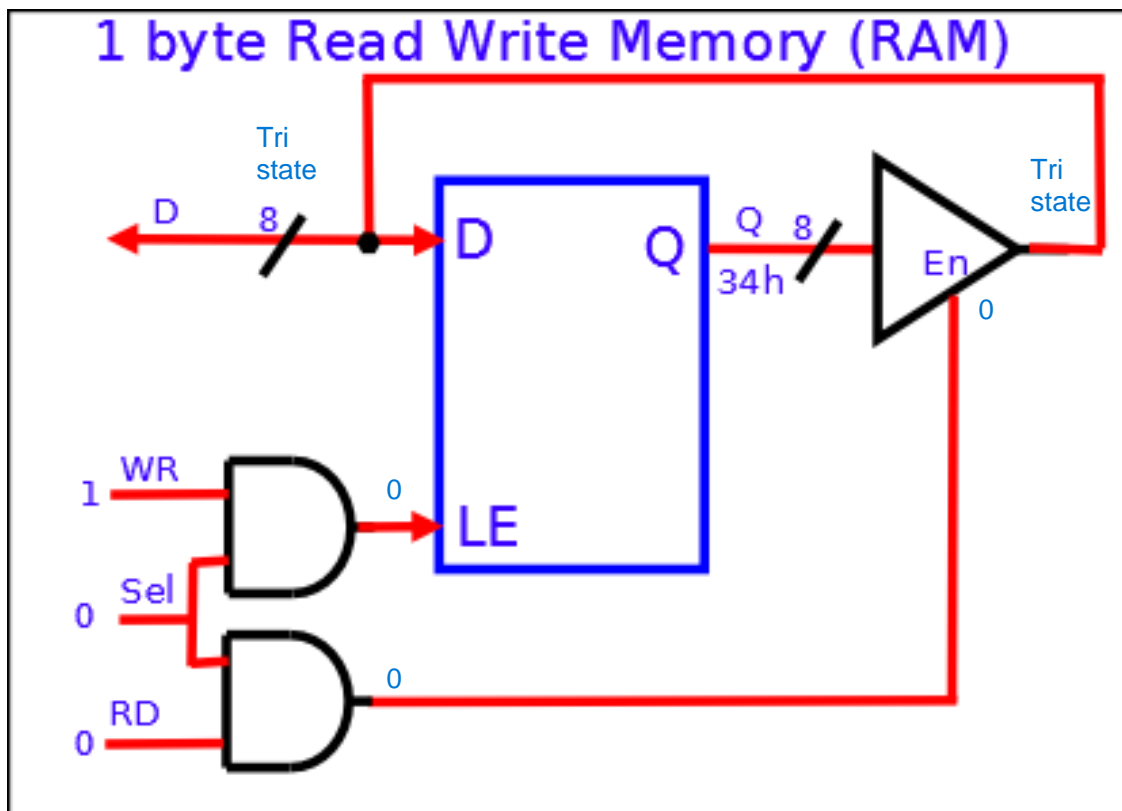
What is the value of D?

1. 98h
2. 34h
3. Tristate
4. illegal

Digital Electronics Problem – 95

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
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5. Do the problems in an easy way.



What is the value of Q?

1. 98h
2. 34h
3. Tristate
4. illegal



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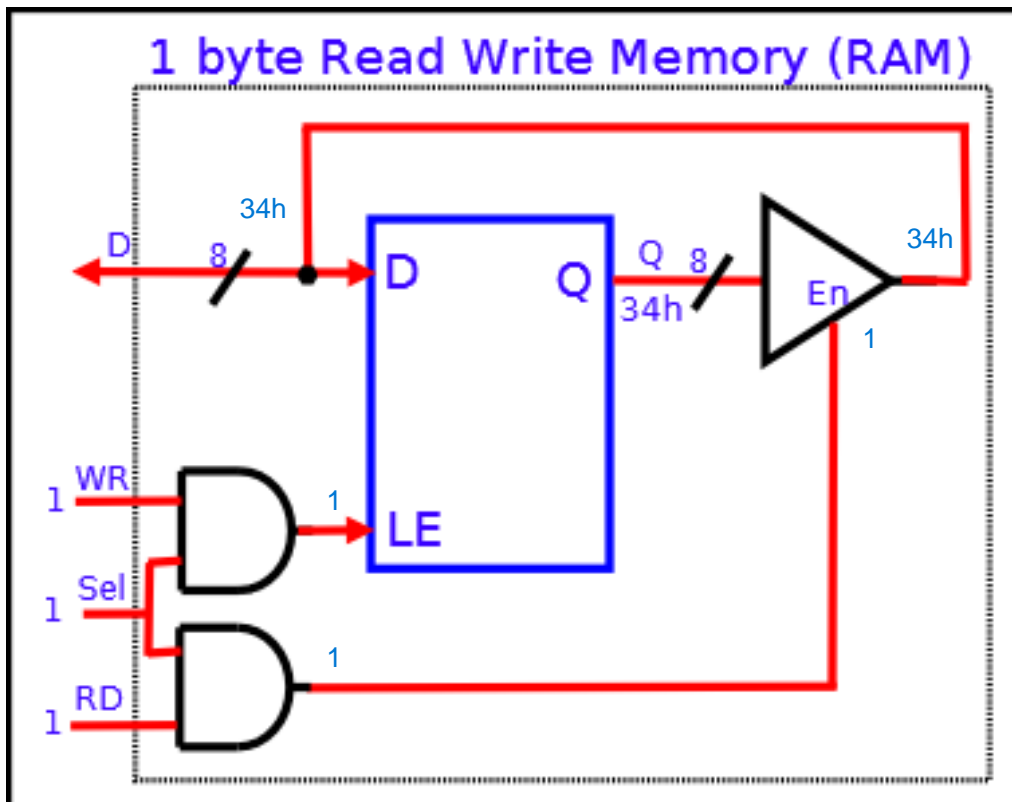
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Digital Electronics Problem – 96

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 value of Q?

1. 98h
2. 34h
3. Tristate
4. illegal



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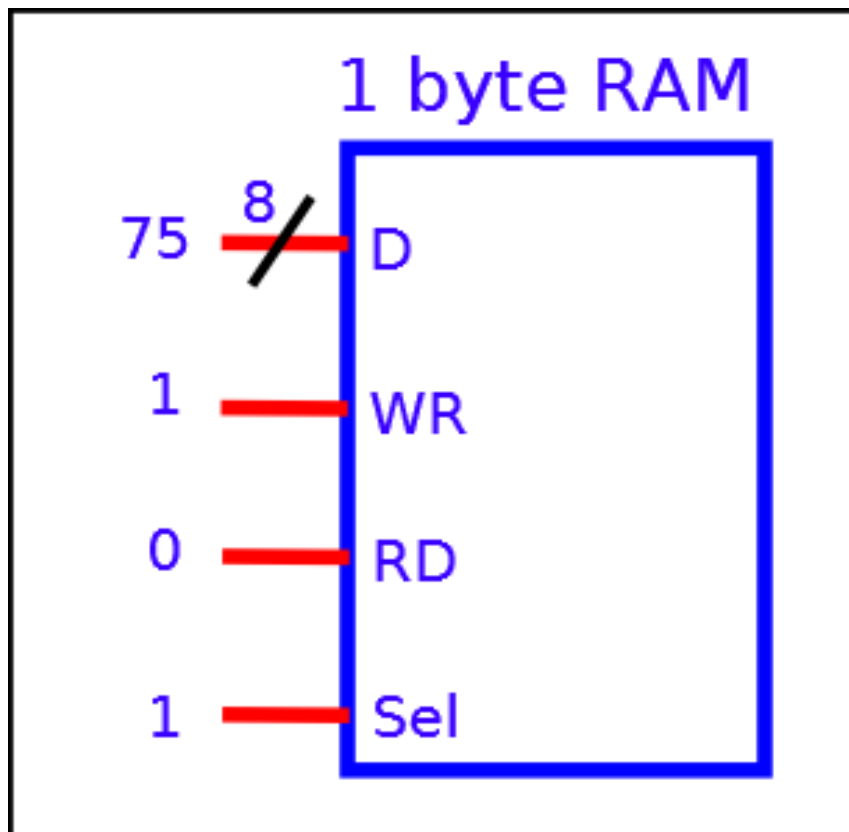
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Digital Electronics Problem – 97

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




What is the value stored inside RAM?

- ☒ 1. 75h
2. 57h
3. No Change
4. illegal



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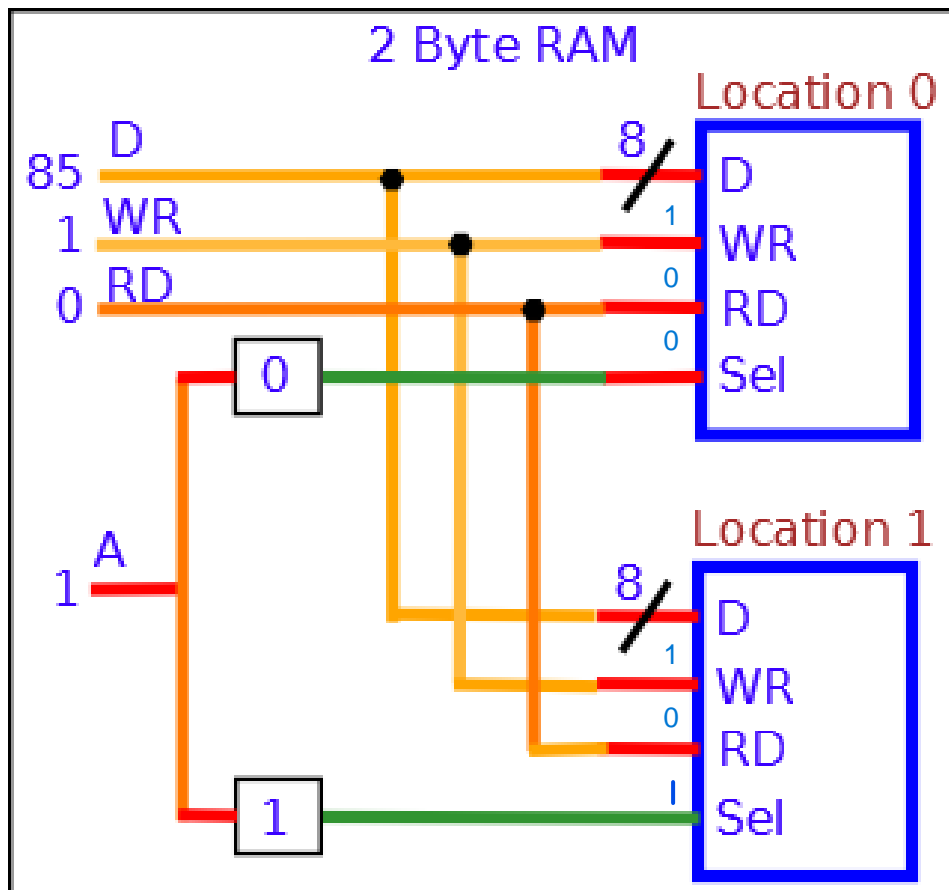
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Digital Electronics Problem – 98

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.




Data 85h will be stored in

1. location 0
- ☒ 2. location 1
3. location 0 & 1
4. None



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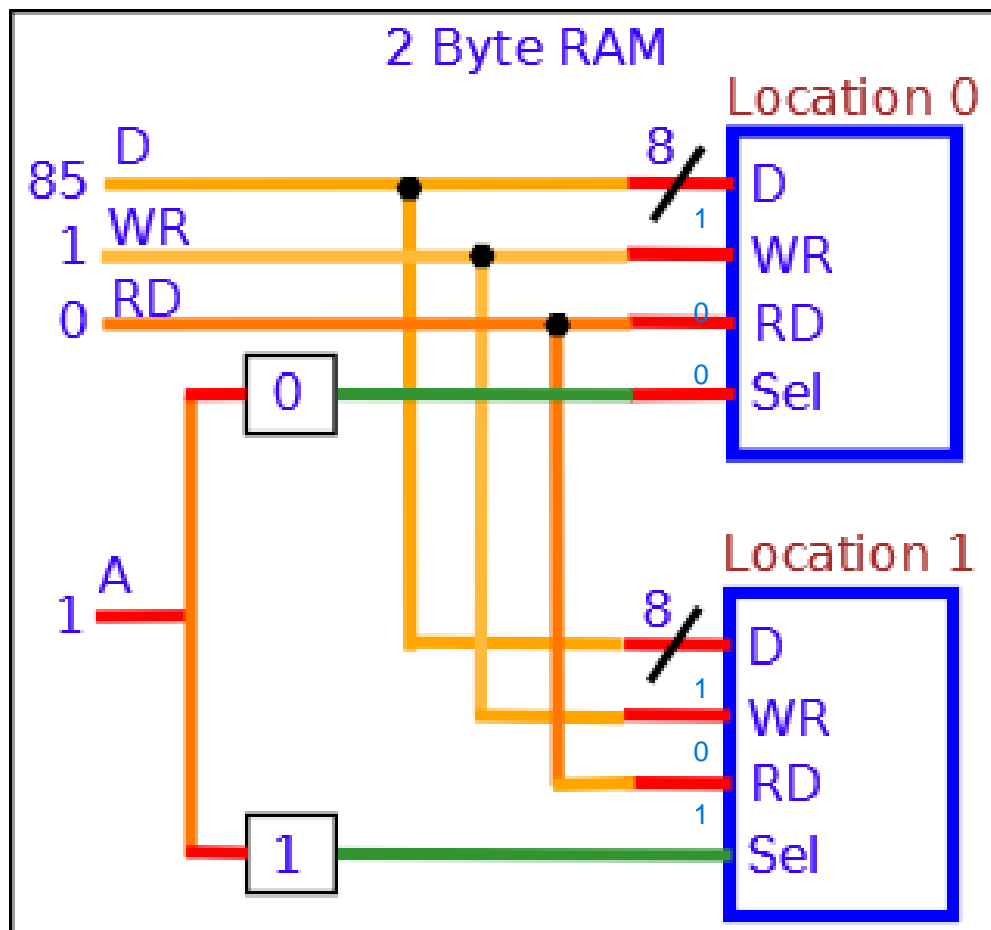
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Digital Electronics Problem – 99

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.




Data 85h will be stored in

1. location 0
- ☒ 2. location 1
3. location 0 & 1
4. None



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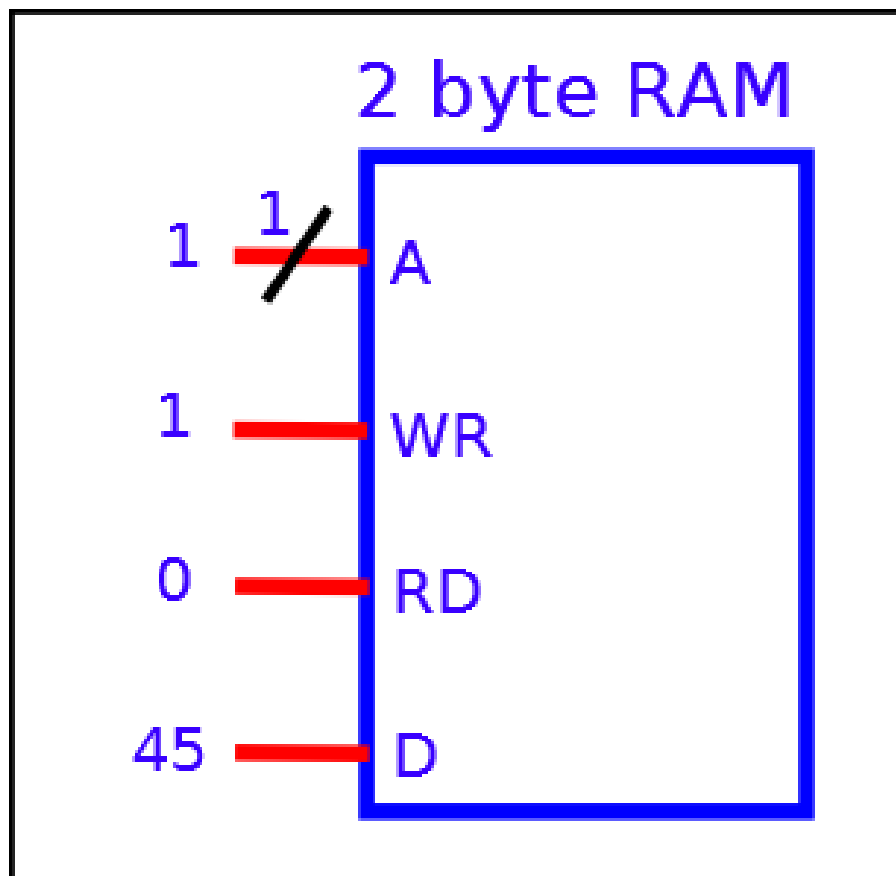
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Digital Electronics Problem – 100

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.



Data 45h will be stored in

1. location 0
- ☒ 2. location 1
3. location 0 & 1
4. None