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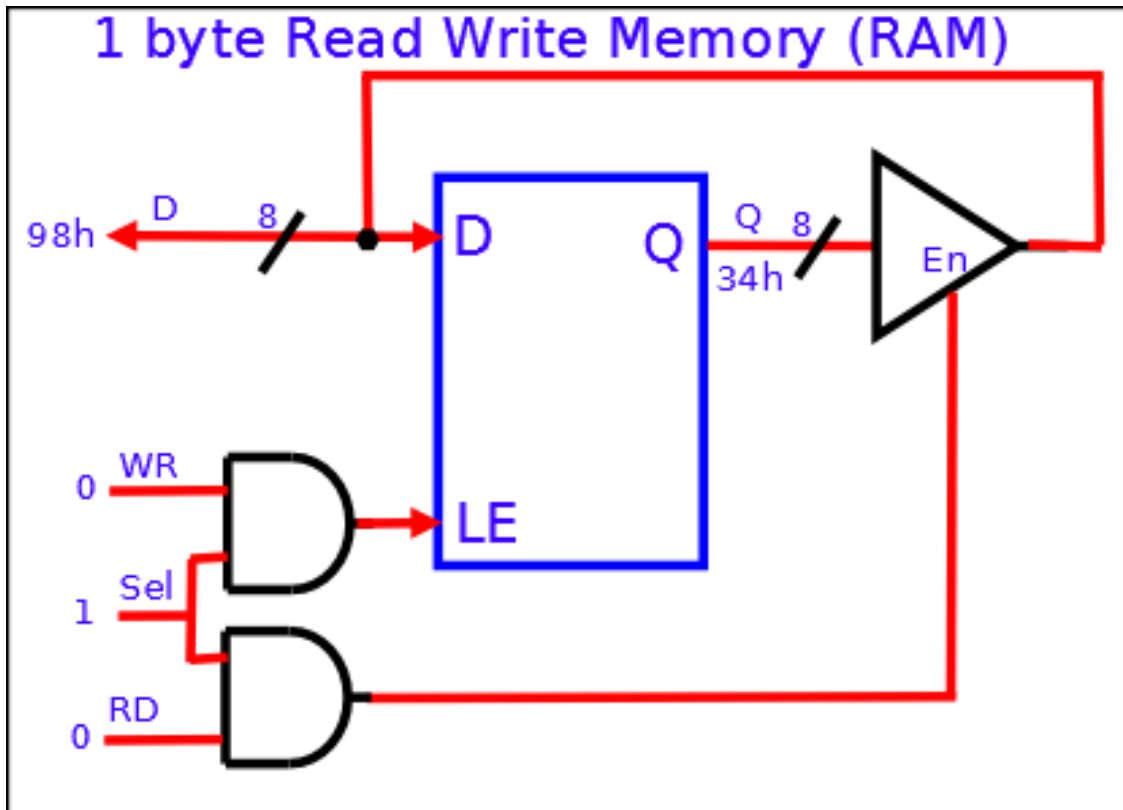
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Digital Electronics Problem – 91

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:

- [illegible]

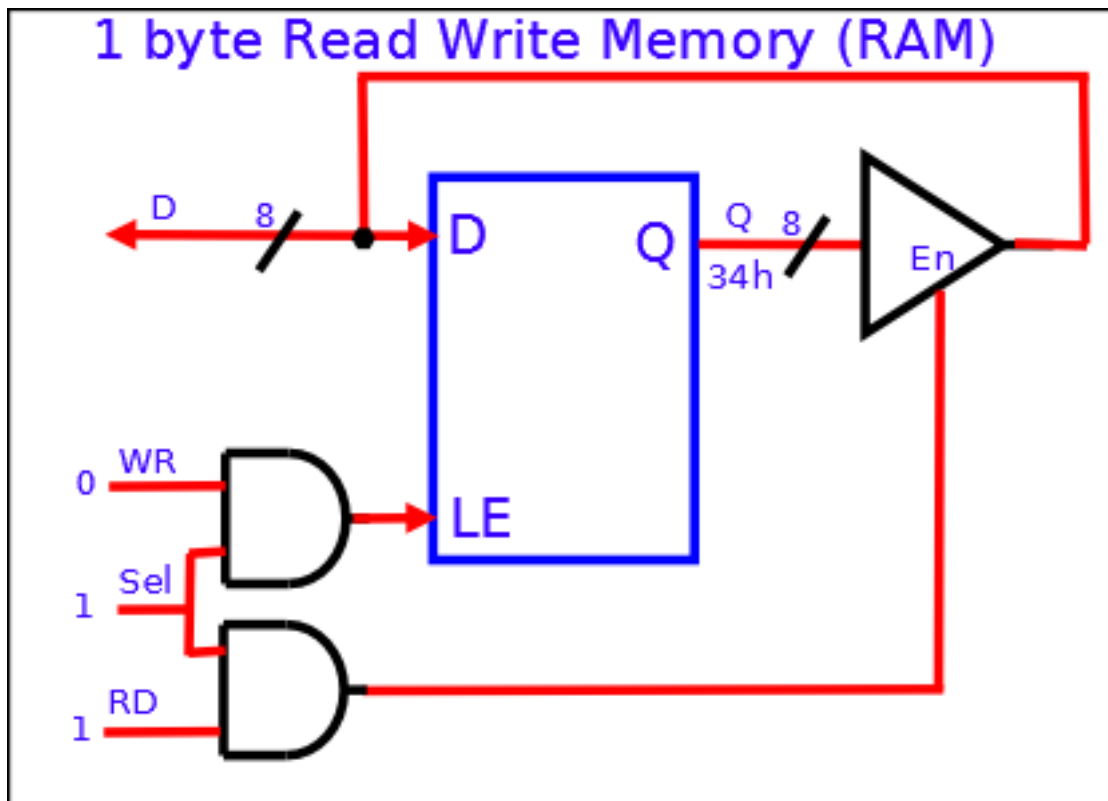
What is the value of Q?

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

Digital Electronics Problem – 93

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What is the value of D?

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



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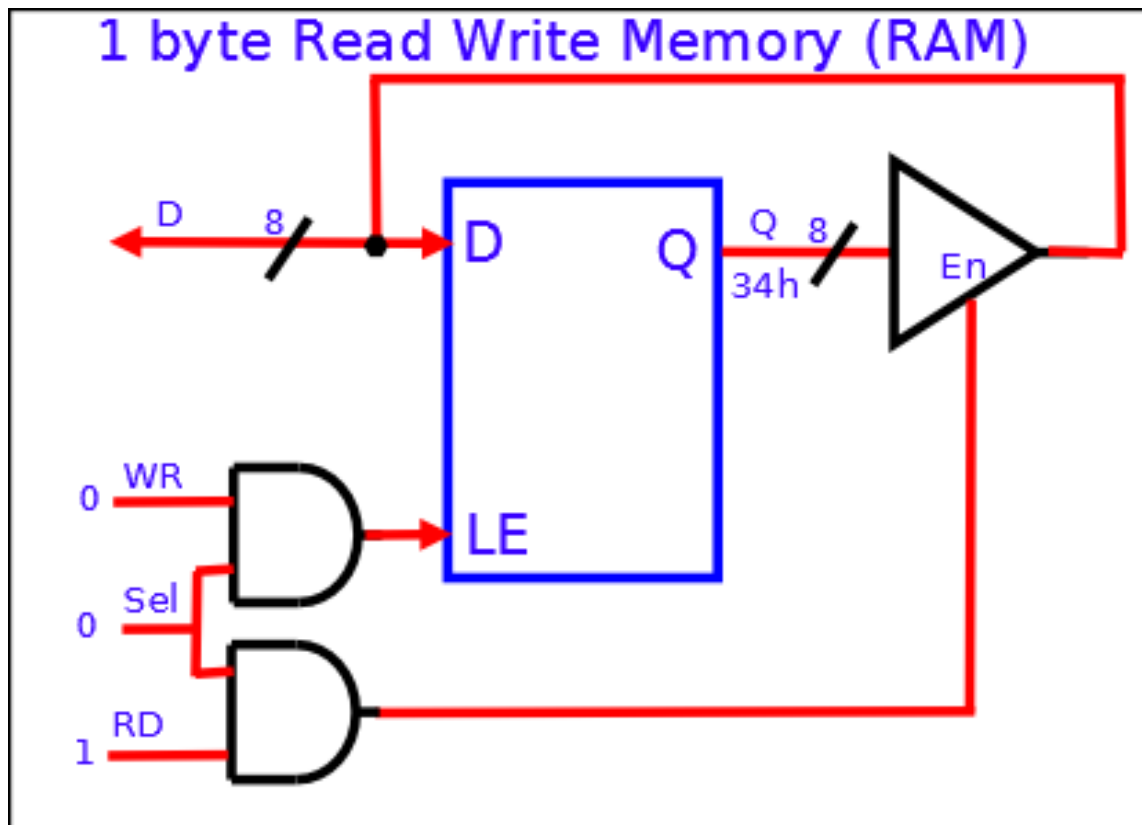
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Digital Electronics Problem – 94

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What is the value of D?

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 D input is connected to an 8-bit data bus. The Q output is connected to an 8-to-34h decoder, which has an enable input En. The decoder's output is connected to the LE input of the flip-flop. The data bus is also connected to the D input of the flip-flop. The circuit is controlled by two inputs: WR (Write Enable) and RD (Read Enable). The WR input is connected to the LE input of the flip-flop. The RD input is connected to the En input of the decoder. The data bus is connected to the D input of the flip-flop and the Q output of the decoder.

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



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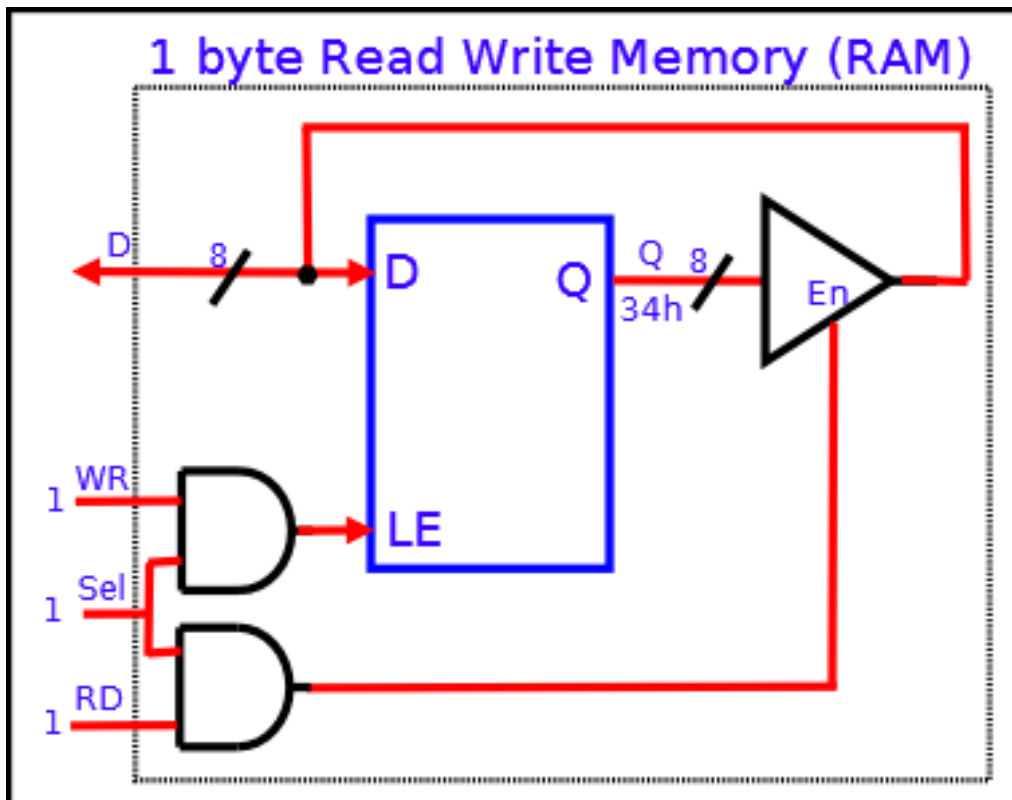
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Digital Electronics Problem – 96

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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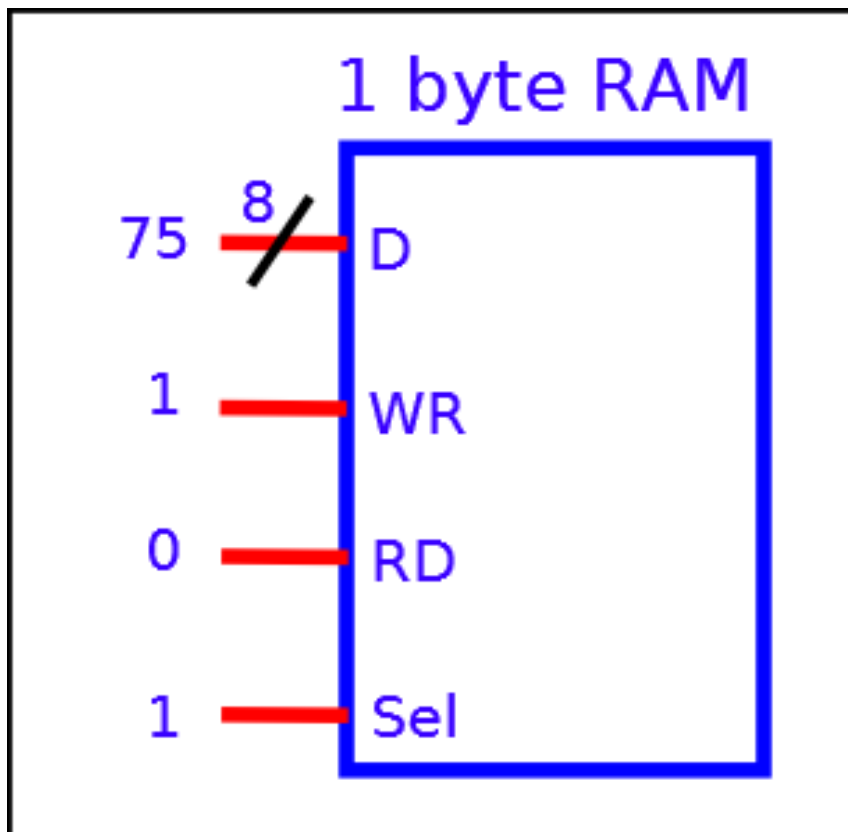
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Digital Electronics Problem – 97

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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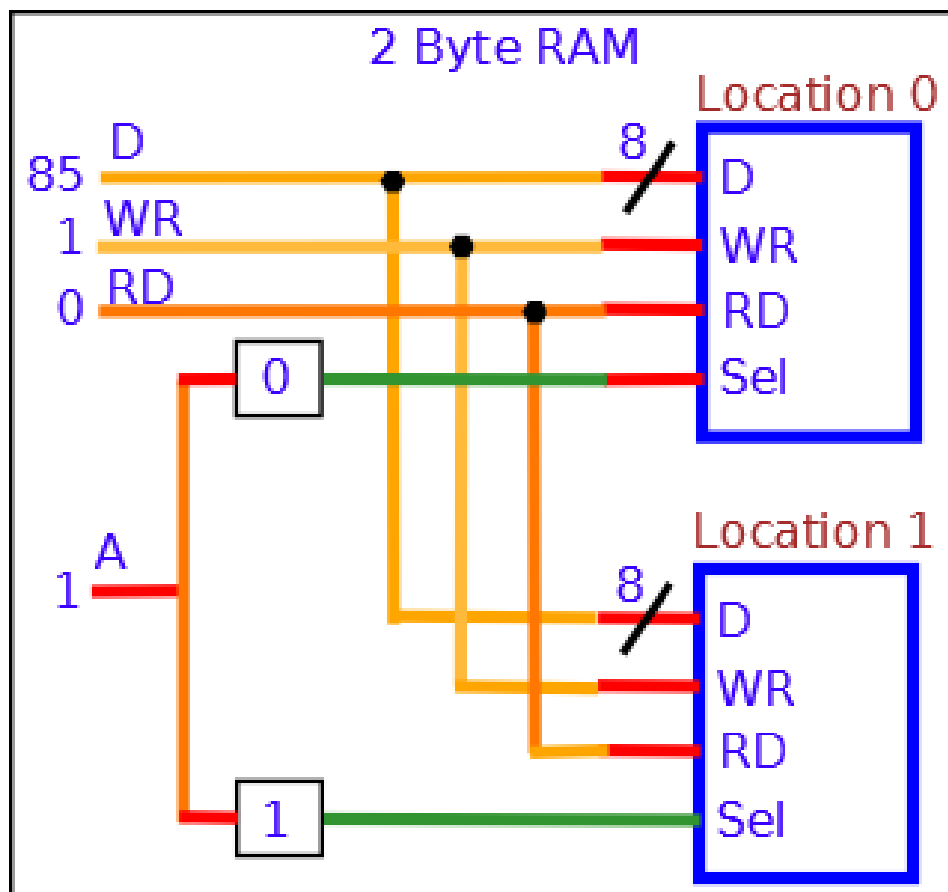
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Digital Electronics Problem – 98

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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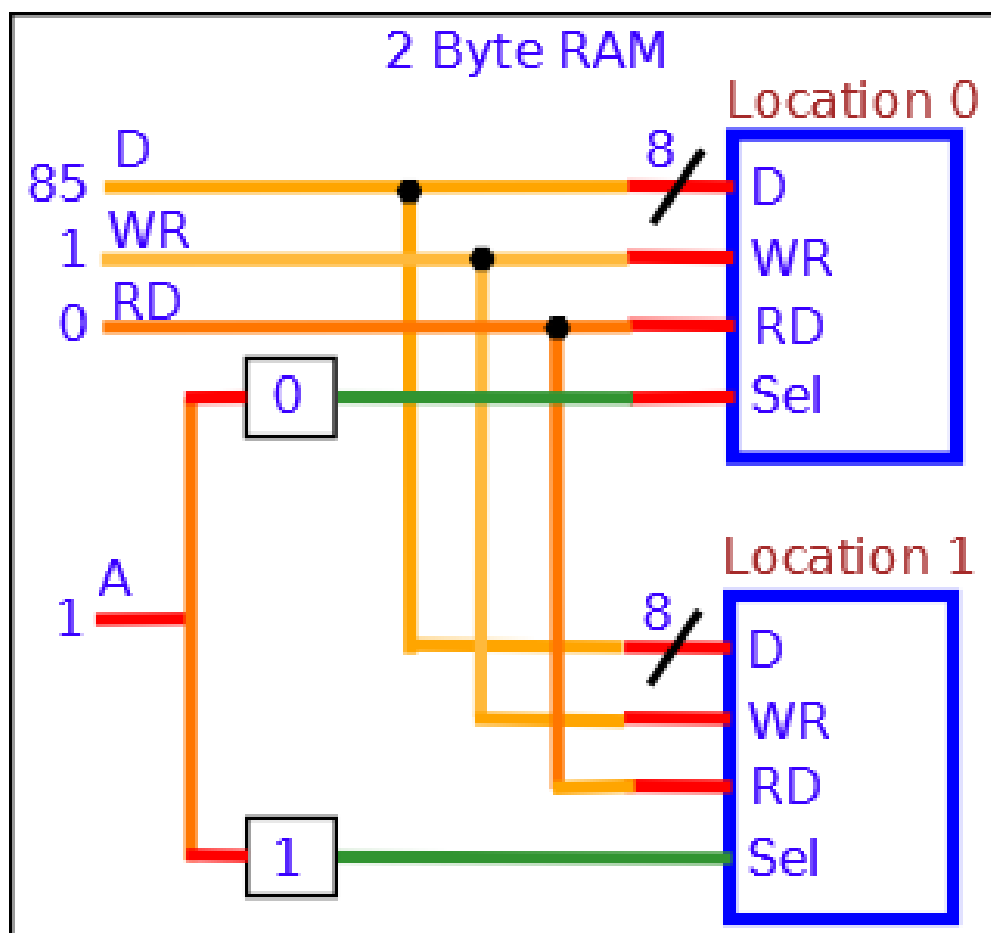
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Digital Electronics Problem – 99

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 35h will be stored in

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



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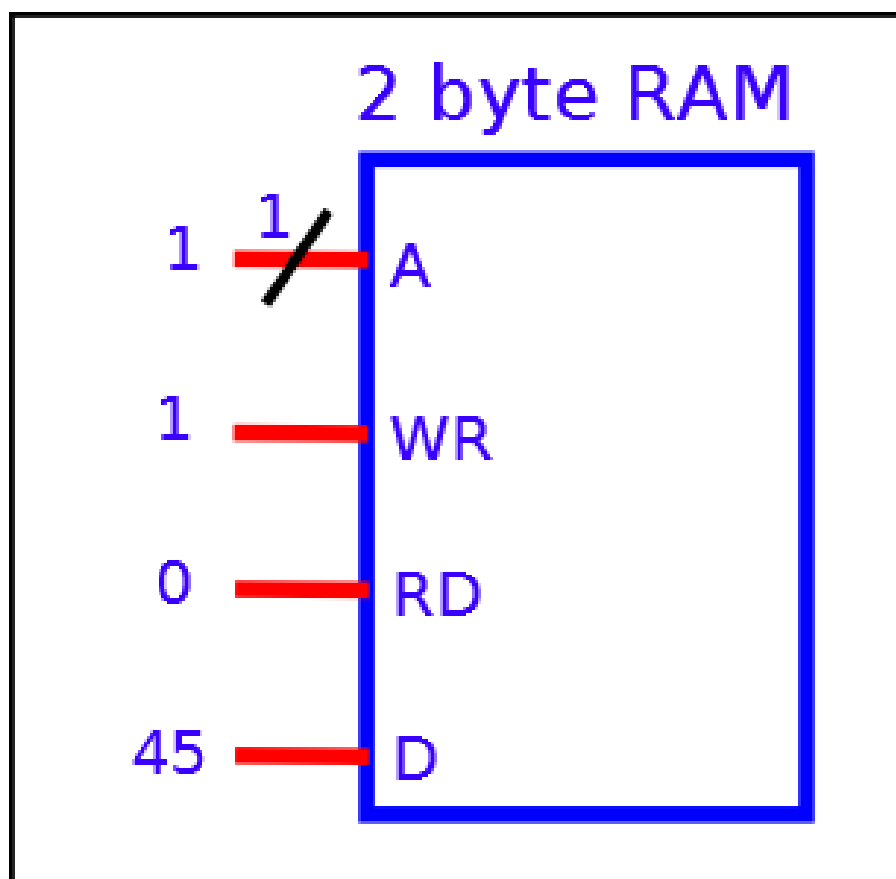
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Digital Electronics Problem – 100

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