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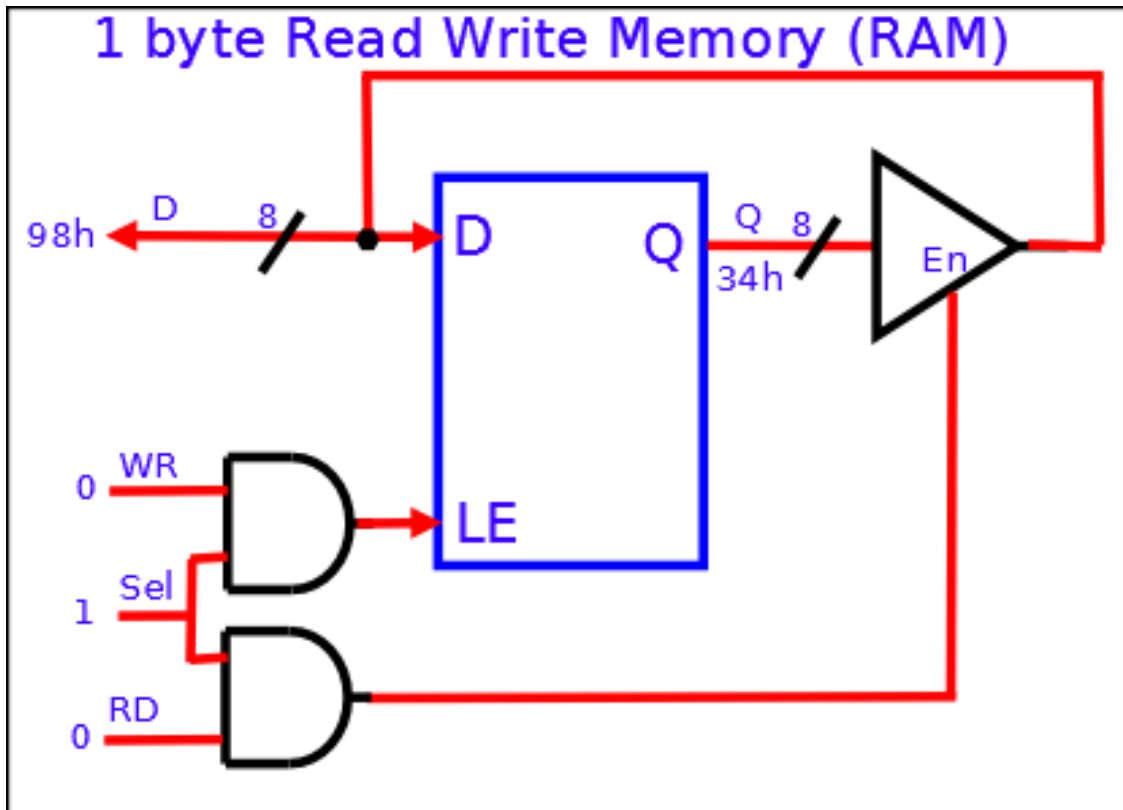
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Digital Electronics Problem – 91

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

34h



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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 (8h) and the Q output is connected to a 34-bit data bus (34h). The LE input is connected to the output of an AND gate with inputs WR and Sel. The output of another AND gate with inputs Sel and RD is connected to the En input of the 8-to-34 decoder. The decoder's output is connected to the 34-bit data bus (34h).

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

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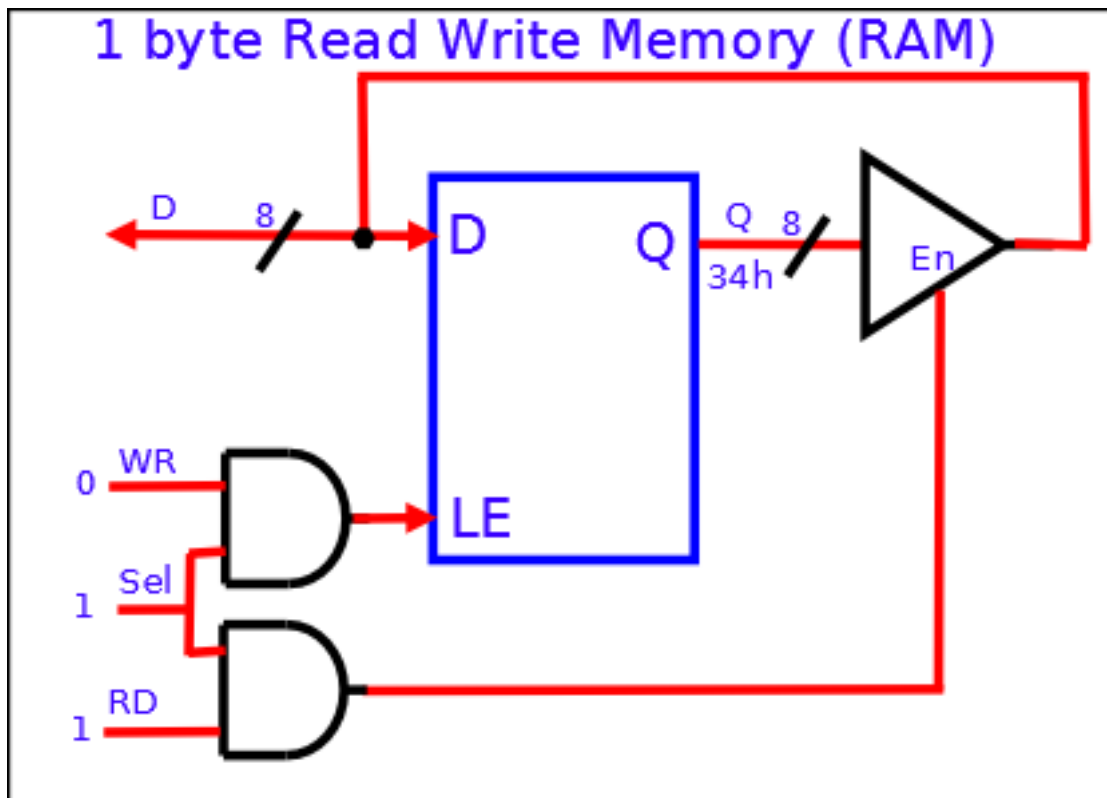
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Digital Electronics Problem – 93

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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

$Q = 34h$



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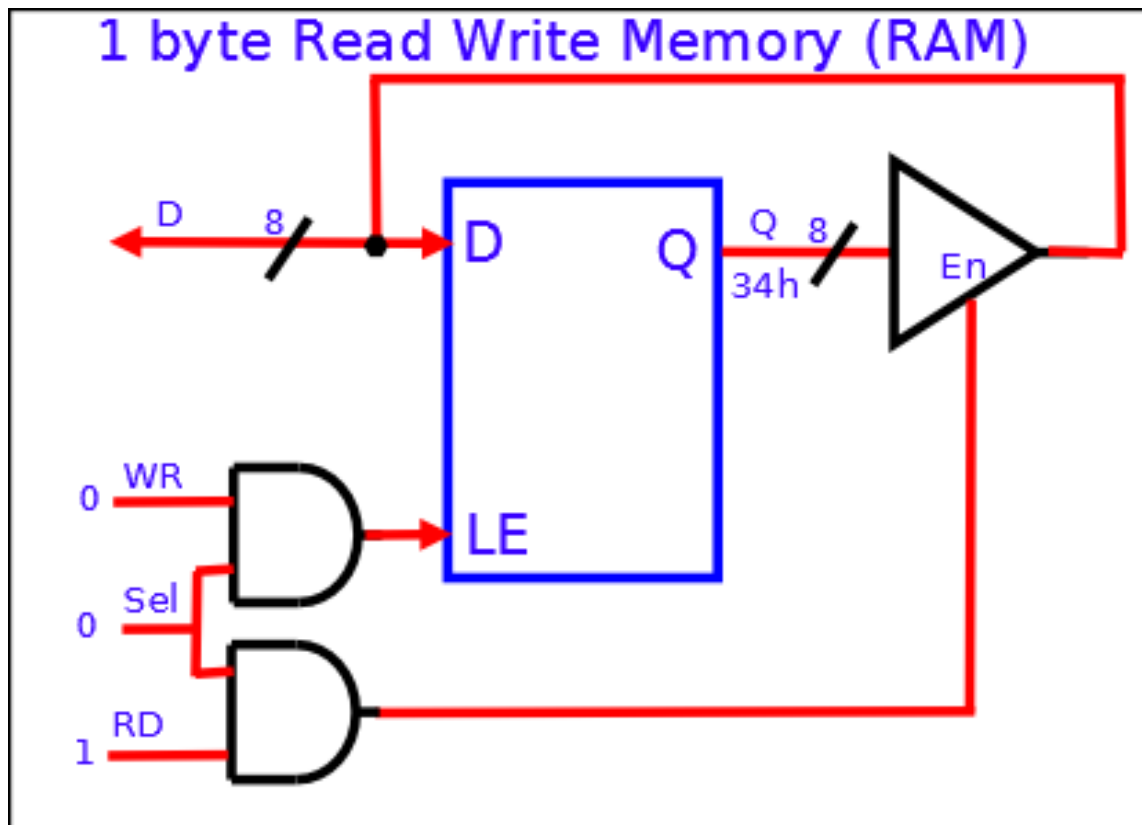
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Digital Electronics Problem – 94

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 D?

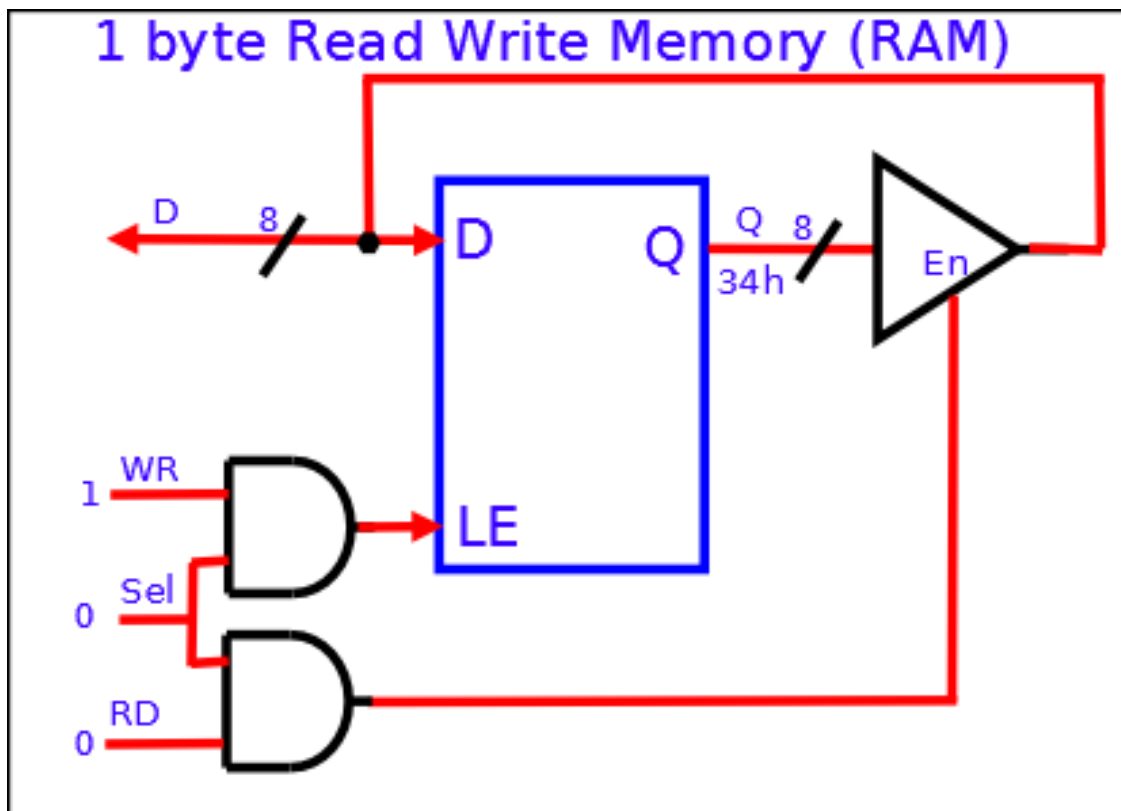
1. 98h
2. 34h
3. Tristate
4. illegal

Tristate

Digital Electronics Problem – 95

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

$$Q = 34h$$



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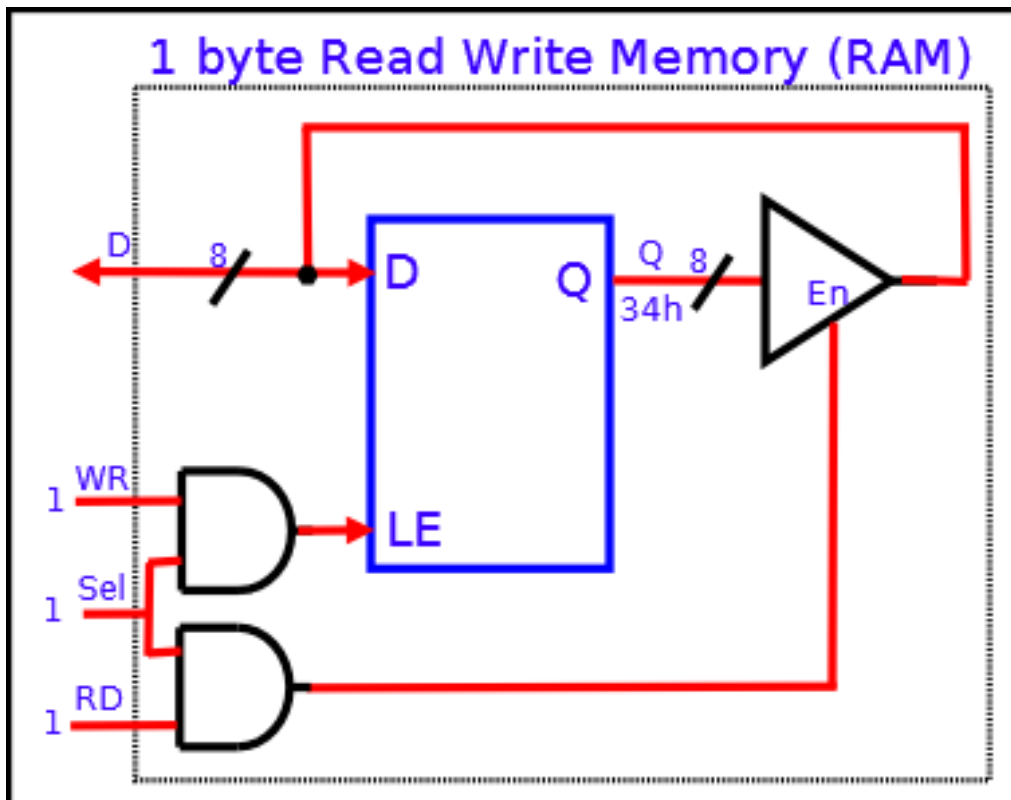
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Digital Electronics Problem – 96

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

Q = illegal



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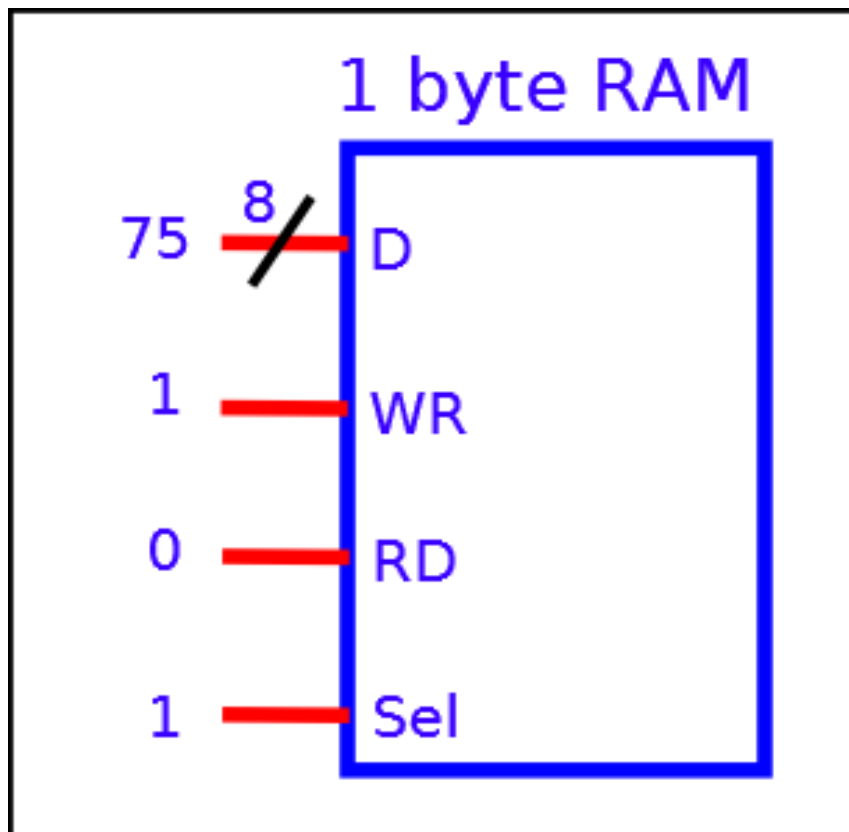
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Digital Electronics Problem – 97

Instructions:

1. Do not discuss with any one while solving the problems
2. Do not use internet while solving the problems
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 stored inside RAM?


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

75 h



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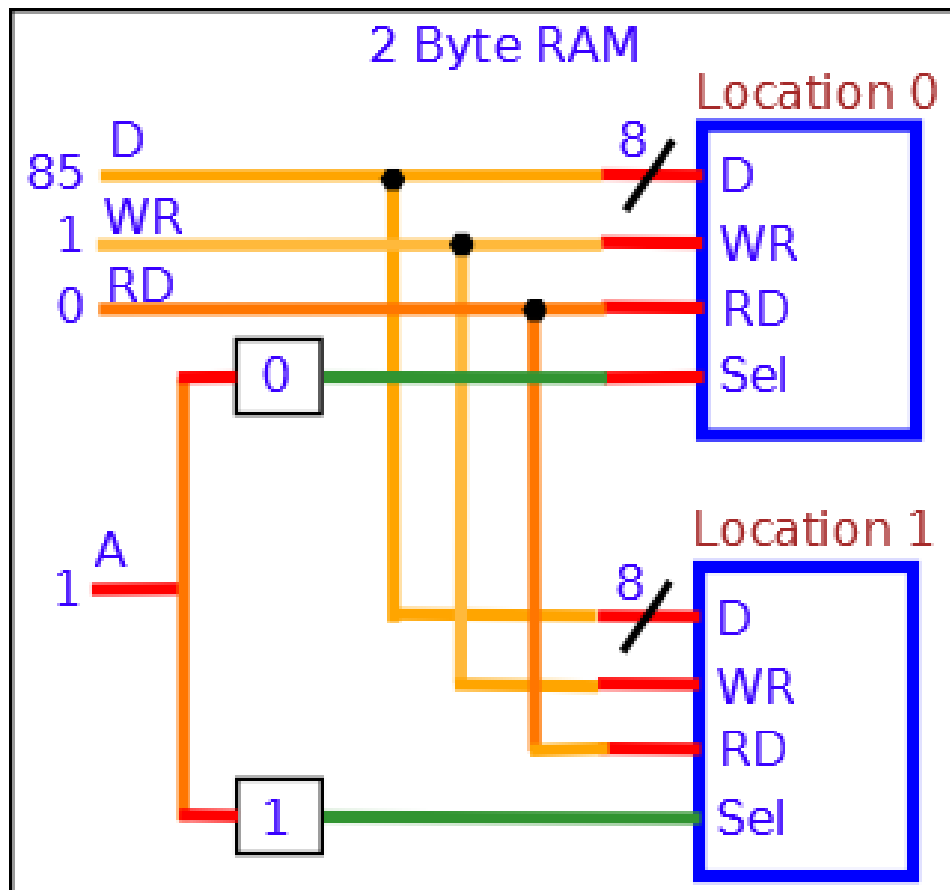
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Digital Electronics Problem – 98

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

Location 1



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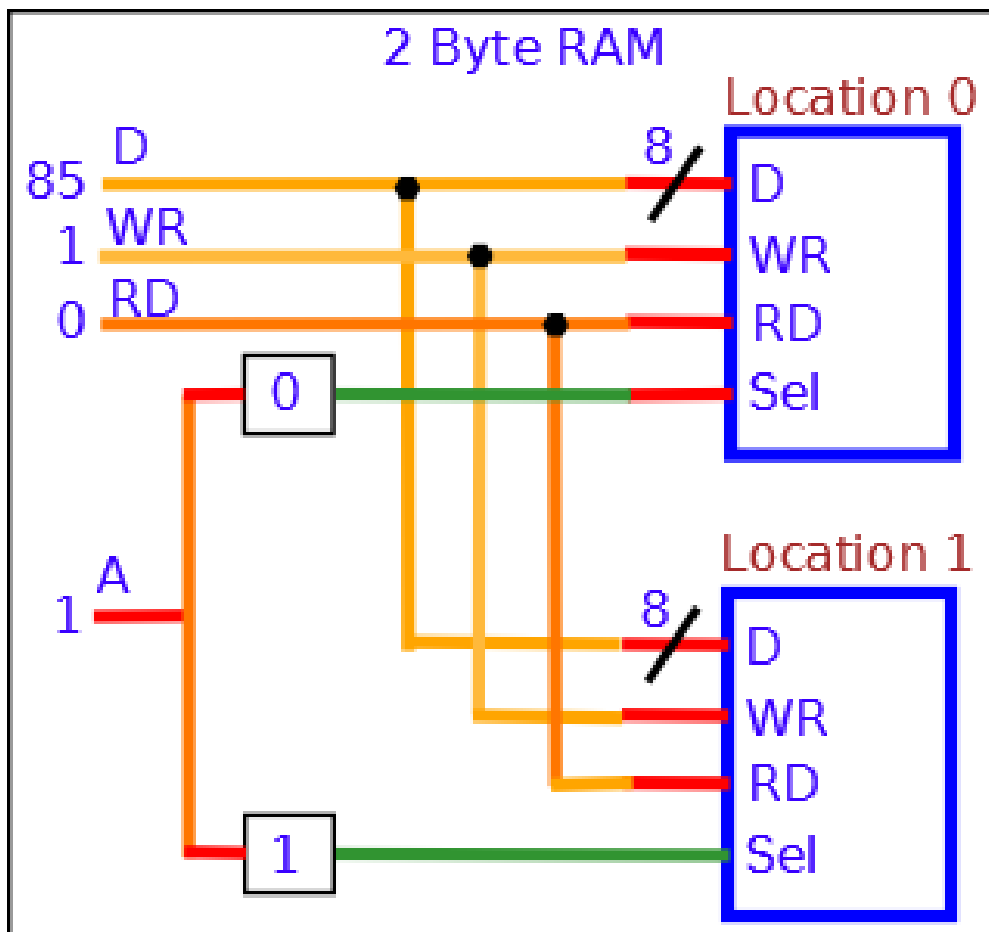
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Digital Electronics Problem – 99

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

Location 1



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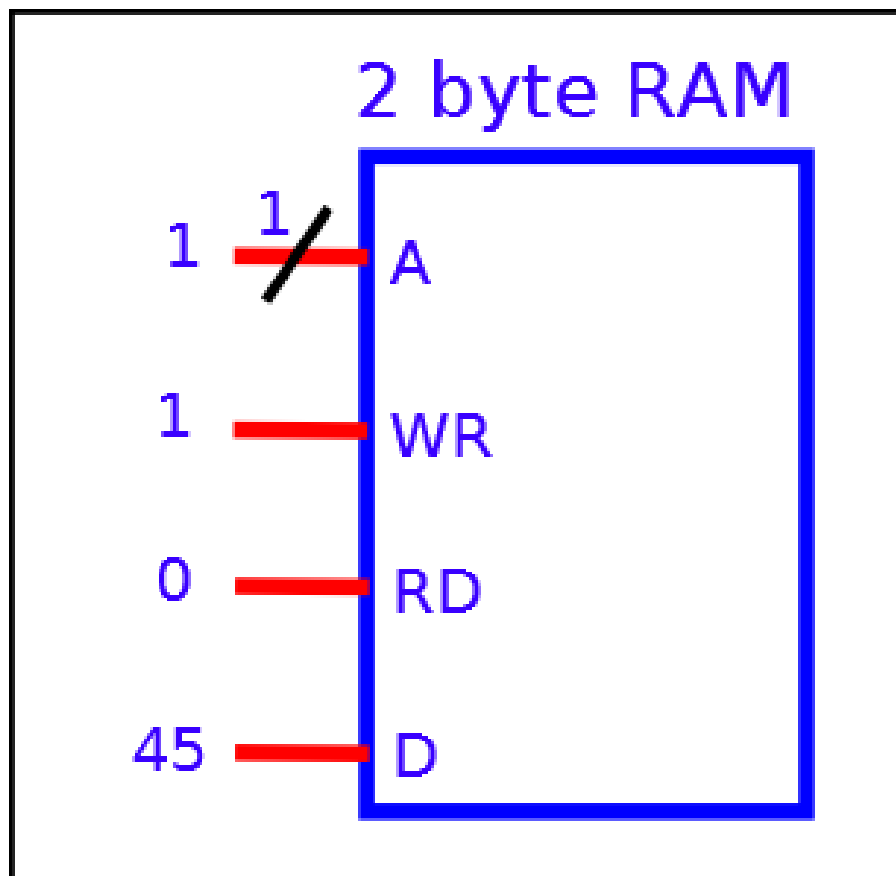
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Digital Electronics Problem – 100

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

Location 1