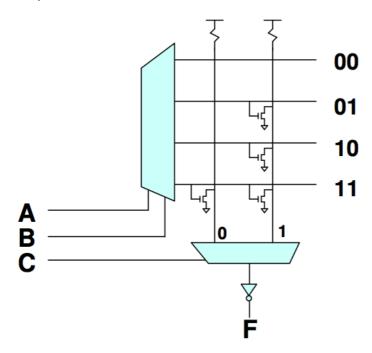
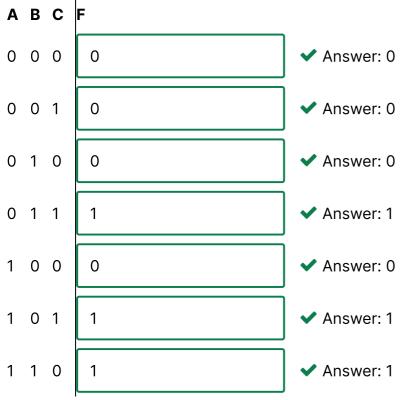
LE4.7.1: Read-only Memory

8/8 points (ungraded)

Consider the following schematic for a read-only memory implementation for a 3-input, 1-output Boolean function.



Please fill in the truth table below, giving the value of the output F for the eight possible combinations of the inputs values A, B, and C.



Explanation

Remember that an enabled pulldown will cause the function to produce a "1" output if C selects the vertical column to which the pulldown is connected. The leftmost vertical column determines the even rows of the truth table (C = 0), the rightmost column determines the odd rows (C = 1).

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• Answers are displayed within the problem

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