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LE4.1.1: Sum-of-products 1/1 point (ungraded) Consider the following truth table for function F: A B C F(A,B,C)0 0 0 0 0 1 0 1 0 0 1 1 1 0 0 1 0 1 1 1 0 1 1 1 Which of the following product terms would be included in the sum-of-products expression for F? lacksquare Aar Bar C \checkmark $Aar{B}ar{C}$ $ar{A}Bar{C}$ $ABar{C}$ $ar{A}ar{B}C$ \checkmark $A\bar{B}C$ $leftarrow ar{A}BC$ \checkmark ABC Explanation There will be a product for each row of the truth table where F=1. The product term for the first row is $ar{A}ar{B}ar{C}$. The product term for the fourth row is $\bar{A}BC$. The product term for the fifth row is $Aar{B}ar{C}$. The product term for the sixth row is $A\bar{B}C$. The product term for the last row is ABC. **Submit 1** Answers are displayed within the problem Discussion **Hide Discussion** Topic: 4. Combinational Logic / LE4.1 **Add a Post** by recent activity > Show all posts There are no posts in this topic yet.

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