MITx 6.004.1x
Computation Structures 1: Digital Circuits

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LE4.1

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Calculator

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	1
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	0
1	1	1	1

Which of the following product terms would be included in the sum-of-products expression for F?

- ☑ $\bar{A}\bar{B}\bar{C}$
- ☑ $A\bar{B}\bar{C}$
- ☐ $\bar{A}B\bar{C}$
- ☐ $AB\bar{C}$
- ☐ $\bar{A}\bar{B}C$
- ☑ $A\bar{B}C$
- ☑ $\bar{A}BC$
- ☑ ABC

✔

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