LE4.3.1: Fun with Demorgan's Law

1/1 point (ungraded)

Which of the following Boolean expressions are equivalent to $A + B \cdot C$? Hint: Demorgan's Laws are your friends!

- [x] $\overline{\overline{A + B \cdot C}}$
- [x] $\overline{\overline{A} \cdot \overline{B \cdot C}}$
- [x] $\overline{\overline{A} \cdot (\overline{B} + \overline{C})}$
- [x] $A + \overline{\overline{B} + \overline{C}}$

✔

Submit

Discussion

Hide Discussion

Topic: 4. Combinational Logic / LE4.3

Add a Post

All Posts

Need a clear mind on Demorgan's Law repetition on a Boolean expression.

question posted 7 years ago by **When_Ican**

Please, I don't get a clear mind on how repeated applications of Demorgan's Laws on the first Boolean expression will produce the other expressions in the problem. Can someone help?

This post is visible to everyone.

Add a Response

1 response

rhodesd
7 years ago

Hi, here are the first two applications of demorgans law, the idea is to concentrate on the inner not expression: demorgans

Not sure if this image will show here, I'm on mobile internet Https://ibb.co/iP12Rk

Add a comment

Showing all responses

Add a response:

Preview

Submit