

Valid/Invalid Argument Practice

1. Use symbols to represent each statement.
 2. Combine the second and third statement symbols.
 3. Determine if the original conditional statement is logically equivalent to the combination of the second and third statements.
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A. If there is a drought, then the corn harvest will be skimpy.

The corn harvest is skimpy.

Therefore, there is a drought.

B. If the battery is dead, then the car won't start.

The battery is charged.

Therefore, the car will start.

C. If Tony is convicted of a felony, then he will go to jail.

Tony went to jail.

Therefore, Tony was convicted of a felony.

D. If this tree gets water, then it will grow.

This tree does get water.

Therefore, it will grow.

E. If construction costs increase, then the price of housing will rise.

The price of housing has not risen.

Therefore, construction costs have not increased.