

QUESTION 2 Correct Mark 10.00 out of 10.00 ♥ Flag question

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Which of the following propositions are tautologies (you might tick more than one box)

Select one or more:

- \square a. E
- \Box b. $(E \to F) \to E$
- \checkmark d. $E \lor (E \rightarrow \neg E)$
- \Box f. $\neg (E \land F \land G)$

The correct answers are: $E \rightarrow (F \rightarrow E)$

$$, E \lor (E \rightarrow \neg E)$$

,
$$(\neg E \vee F) \vee (\neg F \vee E)$$

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We consider the problem

$$A \wedge B, \, C \wedge D \mid \text{-} \, (A \wedge C) \vee E$$

Consider the following box-proof which are partly covered. Select the boxes that apply.