<u>Progress</u>

<u>Dates</u>

Notes Readings

RA Software Guide

Next >

Extra Problems

☆ Course / Relational Design Theory / Functional Dependencies

Discussion



X

In-Video Quiz

Previous

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Q4

<u>Course</u>

1/1 point (ungraded)

Consider the relation R(A,B,C,D,E) and the set of functional dependencies S1 = $\{AB \rightarrow C, AE \rightarrow D, D \rightarrow B\}$. Which of the following sets S2 of FDs does NOT follow from S1?

- \bigcirc S2 = {AD \rightarrow C}
- \bigcirc S2 = {AD \rightarrow C, AE \rightarrow B}
- \bigcirc S2 = {ABC \rightarrow D, D \rightarrow B}
- \bigcirc S2 = {ADE \rightarrow BC}

~

Explanation

Using the FDs in S1: $\{AD\}$ + = $\{ABCD\}$; $\{AE\}$ + = $\{ABCDE\}$; $\{ABC\}$ + = $\{ABCDE\}$

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Previous

Next >

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