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In-Video Quiz

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Q3

1/1 point (ungraded)

Consider tables R(A,B) and S(B,C) and a query Q = select A,C from R,S where R.B=S.B and A < 10 and C > 20. Which of the following materialzed views can NOT be used to help evaluate Q?

◯ V1 = select A,C from R,S where R.B=S.B

◉ V2 = select A,C from R,S where A < 10 and C > 20

◯ V3 = select A,R.B,S.B,C from R,S where A < 10 and C > 20

◯ V4 = select * from R where A < 10

✔

Explanation

Q can be evaluated on V1 or V3 by applying selection conditions. Q can be evaluated by joining V4 with S. V2 does not have enough information to enforce R.B=S.B.

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