

In-Video Quiz

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Q1

1/1 point (ungraded)

Statement A: It can be useful to compose two selection operators.

For example: $\sigma_{state='CA'} (\sigma_{enr>8000} College)$ For example:
 $\sigma_{state='CA'} (\sigma_{enr>8000} College)$ For example:
 $\sigma_{state='CA'} (\sigma_{enr>8000} College)$ For example:
 $\sigma_{state='CA'} (\sigma_{enr>8000} College)$

Statement B: It can be useful to compose two projection operators.

For example: $\pi_{GPA} (\pi_{sID,GPA,HS} Student)$ For example:
 $\pi_{GPA} (\pi_{sID,GPA,HS} Student)$ For example:
 $\pi_{GPA} (\pi_{sID,GPA,HS} Student)$ For example:
 $\pi_{GPA} (\pi_{sID,GPA,HS} Student)$

☐ Both statements are true.

☐ Statement A is true but Statement B is false.

☐ Statement B is true but Statement A is false.

☒ Both statements are false.



Explanation

Two selection operators in a row can always be replaced by a single selection operator whose condition is the "and" of the two selection conditions. If there are two projection operators in a row, the attribute list of the second (outer) projection must be a subset of the attribute list of the first (inner) projection. Thus, the first

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