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Q1

1/1 point (ungraded)

For the relation Apply(SSN,cName,state,date,major), suppose college names are unique and students may apply to each college only once, so we have two FDs: cName $\rightarrow$ state and SSN,cName $\rightarrow$ date,major. Is Apply in BCNF?

- ◯ Yes
- 🔵 No

✔

Explanation

{SSN,cName} is a key so only cName $\rightarrow$ state is a BCNF violation. Based on this violation we decompose into A1(cName,state), A2(SSN,cName,date,major). Now both FDs have keys on their left-hand-side so we're done.

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