Find the keys and superkeys:

\[ R(\{a, n, c\}, S = \{n \rightarrow a; \ c \rightarrow n, a\} \]

Is this relation in BCNF?

\[ R(\{a, b, c\}, S = \{a \rightarrow b, c\} \]

Find keys and superkeys; is it in BCNF?

\[ R(\{a, b, c, d\}, S = \{a \rightarrow b; b, c \rightarrow d; d \rightarrow a\} \]

Find keys and superkeys; is it in BCNF?