

The original relation **is not** in Boyce-Codd Normal Form (BCNF) because **leader_name** is not **superkey** for the functional dependency $\text{leader_name} \rightarrow \text{team_name}$.

Decompose it to BCNF:

Team1(emp_name, team_name):

emp_name	team_name
Pactrick	Amex
Pactrick	Fox
Klaudia	Amex
Klaudia	Leopards
Christian	Leopards

Team2(leader_name, team_name):

team_name	leader_name
Amex	John
Fox	Michal
Leopards	Trawinski
Leopards	Smith

Every non-trivial functional dependency in the decomposed relations has a **superkey** as its determinant, satisfying the BCNF requirement. As a result, the BCNF contains both Team1 and Team2 relations.