Normalization Assignment II

due: October 23

For each set of functional dependencies:

- create a 3NFLJDP decomposition using the algorithm from text
- determine the highest normal form for your decomposition
- create a BCNFLJ decomposition using the algorithm from text
- prove or disprove that your decomposition is dependency preserving

You must show your work!

1. $F = \{AB \rightarrow ABCDE, C \rightarrow B, E \rightarrow AC\}$
2. $F = \{A \rightarrow B, B \rightarrow C, C \rightarrow D, D \rightarrow E, E \rightarrow A\}$
3. $F = \{AB \rightarrow CD\}$