

7.25. Candidate keys A, E, BC, CD .

One possible BCNF decomposition: ABC, AE, DE .

7.26. This is because a BCNF design may result in tables with very few columns each. In this case, a query that needs to access columns of two tables must perform a join, which is costly. To avoid the join, we may want to relax the BCNF constraint by combining the two tables. Although this causes more redundancy, it lowers the query cost significantly.