

1) HouseSale (houseID, agentID, dateSold, commissionRate, interestRate)

Highest Relation?: 1NF

Decomposition into BCNF:

InterestRate(dateSold, interestRate)

Agent(agentID, commissionRate)

DateSold(houseID, dateSold)

AgentSoldWhatWhen(houseID, agentID, dateSold)

2) Faculty (facultyNum, deptNum, officeNum, rank, dateHired, salary)

Highest Relation?: 2NF

Decomposition into BCNF:

Department(officeNum, deptNum)

Salary(rank, dateHired, salary)

Faculty(facultyNum, deptNum, officeNum, rank)

3) Lots (propertyID, county, lotNum, area, price, taxRate)

Highest Relation?: 2NF

Decomposition into BCNF:

Lot(county, lotNum, propertyID, area, price, taxRate)

Taxes(county, taxRate)

Price(area, price)

(county, lotNum, propertyID, area)