

Tutorial 10 – BCNF & 3NF

Consider the following relation schema:

```
movie(movieName, whenMade, starName, age, address)
```

Further, assume that we have the following functional dependencies:

```
movieName --> whenMade
starName --> age
starName --> address
starName, age --> age
movieName, starName --> whenMade, age
```

- 1) Are there any trivial FDs?
- 2) What is the closure of the left-hand side of each FD?
- 4) Are there any BCNF violating FDs? If so, list them.
- 5) What is the BCNF decomposition for this relation? (*Do not bring a completed solution to this question. We will work through this together in the tutorial.*)