

## -- Projects

### 1.1 Important FDs:

ID --> MID

PID --> PN

SID --> SN

MID --> MN

### 1.2 Decomposition and Normal Form:

Projects1(MID, MN) in BCNF

Projects2(ID, MID) in BCNF

Projects3(PID, PN) in BCNF

Projects4(SID, SN) in BCNF

Projects0(ID, PID, SID) in BCNF

## -- Shows

### 2.1 Important FDs:

UID --> UN

SID --> TI, RA, IMDB

UID, SID --> S

### 2.2 Decomposition and Normal Form:

Shows1(UID, UN) in BCNF

Shows2(SID, TI, RA, IMDB) in BCNF

Shows0(UID, SID, S) in BCNF

## -- Rentals

### 3.1 Important FDs:

PID --> HID, PN

HID --> HS, HZ

HZ --> HC

PID, HID --> S

### 2.2 Decomposition and Normal Form:

Rentals1(PID, HID, PN) in BCNF

Rentals2(HID, HS, HZ) in BCNF

Rentals3(HZ, HC) in BCNF

Rentals0(PID, HID, S) in BCNF

## -- Matches

### 4.1 Important FDs:

MID --> D, HID, AID, RID, H, A

HID --> HN

AID --> AN

RID --> RN

### 4.2 Decomposition and Normal Form:

Matches1(MID, D, HID, AID, RID, H, A) in BCNF

Matches2(HID, HN) in BCNF

Matches3(AID, AN) in BCNF

Matches4(RID, RN) in BCNF

## -- Boats

### 5.1 Important FDs:

Z --> BL, T

### 5.2 Decomposition and Normal Form:

Boats1(Z, T)

Boats0(BL, BNo, Z, BN, SSN)