

























































































































Normal forms - 3NF

how to bring a schema to 3NF? two algo's in book: First one:

- start from ER diagram and turn to tables
- then we have a set of tables R1, ... Rn which are in 3NF
- for each FD (X->A) in the cover that is not preserved, create a table (X,A)

Faloutsos & Pavlo

CMU SCS 15-415/615

61



Normal forms - 3NF

how to bring a schema to 3NF? two algo's in book: Second one ('synthesis')

- take all attributes of R
- for each FD (X->A) in the cover, add a table (X,A)
- if not lossless, add a table with appropriate key

Faloutsos & Pavlo

CMU SCS 15-415/615

62



















