

HW1.9

(to be done in pairs)

Computing functional dependencies

HW: Functional dependencies

- You are given the below functional dependencies for the relation $R(A\ B\ C\ D\ E\ F)$,

$$F = \{ \\ A \rightarrow B\ C, \\ C \rightarrow D\ A, \\ D \rightarrow E, \\ AD \rightarrow F \}$$

- What are the keys for the relation?
- Is the relation in 1NF/2NF/3NF/BCNF? Provide an explanation for your answer.
- Compute the canonical(minimal) cover of F