作业1

Suppose we have a relation R(A,B,C,D) and the FD's

A-> B, B-> C,A->D

1.What is true about the key(s) for R?

(a) Only A is a key

(b) Only AB is a key

(c) Only AB and AC are keys.

(d) Only AB, AC, and BC are keys

answer: a

2. To decompose R into 3NF

answer:

最小依赖集：{A → B, B → C,A → D}

将R分解：R1(A,B) FD={A → B}

R2(B,C) FD={B → C}

R3(A,D) FD={A → D}

作业2

Suppose we have a relation R(A,B,C) and the FD's

AB-> C, A-> B, B-> C

1.What is true about the key(s) for R?

(a) Only A is a key

(b) Only AB is a key

(c) Only AB and AC are keys.

(d) Only AB, AC, and BC are keys

answer: a

2. To decompose R into 3NF

answer:

最小依赖集：{A → B, B → C,A → D}

将R分解：R1(A,B) FD={A → B}

R2(B,C) FD={B → C}