CS1555 Recitation 10

Objective: to practice normalization, finding canonical forms.

**Part 1:** For each of the following relations R and sets of functional dependencies F, find the canonical cover (minimal cover) of F.

**1.** Consider the following set of functional dependencies F on a relation R (A, B, C, D, E):

A → BC

A → D

B → C

C → D

DE → C

BC → D

**2.** Consider the following set of functional dependencies F on relation R (A, B, C, D, E, H):

A → C

AC → D

E → AD

E → H

A → CD

E → AH